



# PPM-8051 JK FRONT LOWER CONTROL ARMS

## Instructions

### GENERAL NOTES

- These instructions are also available on our website: [www.polyperformance.com](http://www.polyperformance.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.

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 80 ft-lbs.

6. Grease the flex joints using extreme pressure moly based grease.



# PPM-8051 JK FRONT LOWER CONTROL ARMS

## Instructions





# PPM-8052 JK REAR LOWER CONTROL ARMS

## Instructions

### GENERAL NOTES

- These instructions are also available on our website: [www.polyperformance.com](http://www.polyperformance.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 rear 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.

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 20.25" measured from the center to center of the bushings. This length works well when using the stock length upper control arms and for longer upper control arms when using a CV style rear drive line. If you need to point the pinion up to use a CV style rear driveline, try to only lengthen the upper arms and leave the lowers at 20.25".
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.
5. Tighten the factory control arm bolts to 125 ft-lbs, once final length adjustments are made, tighten the pinch bolt to 80 ft-lbs.
6. Grease the flex joints using extreme pressure moly based grease.





# PPM-8052 JK REAR LOWER CONTROL ARMS

## Instructions





# PPM-8053

## Jeep JK Front Upper Control Arms

## Instructions

### GENERAL NOTES

- Before you begin, check our website, [www.polyperformance.com](http://www.polyperformance.com), for updated instructions and additional photos.
- The installation of these control arms will allow you to align the front axle correctly after modifying your suspension.
- Our control arms feature a double adjuster sleeve which allows for length adjustment of without removing the arm from the vehicle.

1. Control arms come assembled to the shortest length. Make any length adjustments by turning the adjuster sleeve **ONLY** 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 upper control arms. Start the upper control arms at the factory length of 18.75". For 3-4.5" light heights we recommend a lower control arm length of 23.25" measured from the center of the control arm bushings. Adjust the arms as necessary for the correct amount of castor (usually 4-6 degrees).
3. Remove the existing upper control arms. If replacing the upper control arms and nothing else they can be replaced one at a time with the vehicle sitting on level ground. You do not need to remove the tires, wheels, or any other suspension part. The exhaust on the passenger side frame mount prevents the bolt from being removed in one piece. Cut the head off the bolt to remove it; a sawzall or grinder with cut off wheel works well. We provide a new bolt; reuse the factory nut.
4. Install the new control arms with the flex joint at the frame end and the adjustable end at the axle. Position the control arm so that the pinch bolt and grease zerk point towards the ground. Reuse the factory Mounting Bolts.
5. Tighten the control arm bolts to 90 ft.-lbs., however make sure the vehicle is at ride height before tightening the bushing end of the control arms. Make final length adjustments as necessary. Once final length adjustments have been made, tighten the pinch bolt to 80 ft.-lbs.
6. Grease the flex joints using extreme pressure moly based grease.using a chisel or similar tool.



# PPM-8053 Jeep JK Front Upper Control Arms

## Instructions

Jeep JK Front Upper Control Arms (Pair)



### Includes:

- (2) OEM Style Fork End
- (2) Front Upper Control Arm
- (2) Pinch Bolts & Grade 8 Hardware
- (2) Poly Performance Double Adjuster Sleeve





# PPM-8054 JK REAR UPPER CONTROL ARMS

## Instructions

### GENERAL NOTES

- These instructions are also available on our website: [www.polyperformance.com](http://www.polyperformance.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 rear axle and pinion angle 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.

1. The control arms are pre-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 upper control arms before installation. We assume you are also using adjustable lower control arms and are installing these upper control arms to point the pinion up for the installation of a CV style rear driveline. We recommend that the lower control arms be set to a length of 20.25" center to center of the bushings. The length of the uppers will depend on the desired pinion angle; the following table will give you a good starting point to set the length of the upper control arms. Pinion angle adjustment should be made with the upper control arms, keep the lower at 20.25".

| UCA LENGTH WHEN USING 20.25" LCA LENGTH, & 3-4.5" LIFT |              |                          |
|--|--------------|--------------------------|
| VEHICLE TYPE   | PINION ANGLE | UPPER CONTROL ARM LENGTH |
| 4 DR WITH CV   | 10 DEG       | 18.25"                   |
| 2 DR WITH CV   | 15 DEG       | 18.75"                   |

3. Remove the existing upper control arms.

4. Install the new control arms with the bushing at the frame end and the flex joint at the axle end. Position the arm with the pinch bolt and the grease zerks on the bottom of the control arm. Reuse the factory mounting bolts.

5. Tighten the factory control arm bolts to 125 ft-lbs, once final length adjustments are made, tighten the pinch bolt to 80 ft-lbs.





# PPM-8054 JK REAR UPPER CONTROL ARMS

## Instructions

6. Grease the flex joints using extreme pressure moly grease.
7. We recommend that you over fill the rear differential oil when increasing the pinion angle. The front bearing will not be submersed in oil and damage may result. You can use an aftermarket differential cover with a higher fill plug or just add additional oil through the vent tube fitting in the passenger side axle tube. Adding an additional 1-2 qts of gear lube should be sufficient.

