



**INSTALLATION INSTRUCTIONS**  
**Mopar Performance High-Articulation Link Arms**  
**2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD**  
 PART NUMBER P5155420  
 PART NUMBER P5155421

**INTRODUCTION**

Installation requires a professional mechanic. Prior to beginning, inspect the vehicle’s steering, driveline, and brake systems, paying close attention to the suspension link arms and bushings, stabilizer bars and bushings, tie rod ends, pitman arm, ball joints and wheel bearings. The overall vehicle must be in excellent working condition; repair or replace all worn parts.

**Read instructions several times before starting. Be sure you have all needed parts and know where they install. Read each step completely as you go.**

**NOTES:**

- These link arms should be installed only on JK vehicles equipped with a 2" to 4" suspension lift.
- An arrow on diagrams indicates which direction is towards “front” of the vehicle.
- A foot-pound torque specification is given in parenthesis ( ) after each appropriate fastener.
- Prior to attaching components, be sure mating surfaces are free of grit, grease, excessive undercoating, etc.
- A factory service manual should be on hand for reference.
- Use the check-off box “” found at each step to help you keep your place. Two boxes “” denotes that one check-off box is for the driver side and one is for the passenger side.

**PARTS LIST ...** The part number is stamped into each part or printed on an adhesive label. Identify each part and place the appropriate mounting hardware with it.

<b>PART NO.</b>	<b>DESCRIPTION (Qty.- if more than one)</b>	<b>NEW ATTACHING HARDWARE (Qty.)</b>
66-01-5720 .....	link arm, front / lower..... driver side	(2) bushing half (1) 1" OD x 2-5/8" sleeve (2) 90-degree grease fitting
66-02-5720.....	link arm, front / lower ..... passenger side	(2) bushing half (1) 1" OD x 2-5/8" sleeve (2) 90-degree grease fitting

**OR**



# INSTALLATION INSTRUCTIONS

## Mopar Performance High-Articulation Link Arms 2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD

PART NUMBER P5155420

PART NUMBER P5155421

66-01-5722	(2) link arm, rear / lower.....	(4) bushing half (2) 1" OD x 2-5/8" sleeve (4) 90-degree grease fitting
------------	---------------------------------	---

.....Mopar decal sheet.....in Installation Instructions packet

.....alcohol cleaning pad.....in Installation Instructions packet

### FRONT PROCEDURE

**NOTE:** Save all factory components and hardware for reuse, unless noted.

If only rear arms were purchased, skip to step 10.

#### 1) PREPARE VEHICLE...

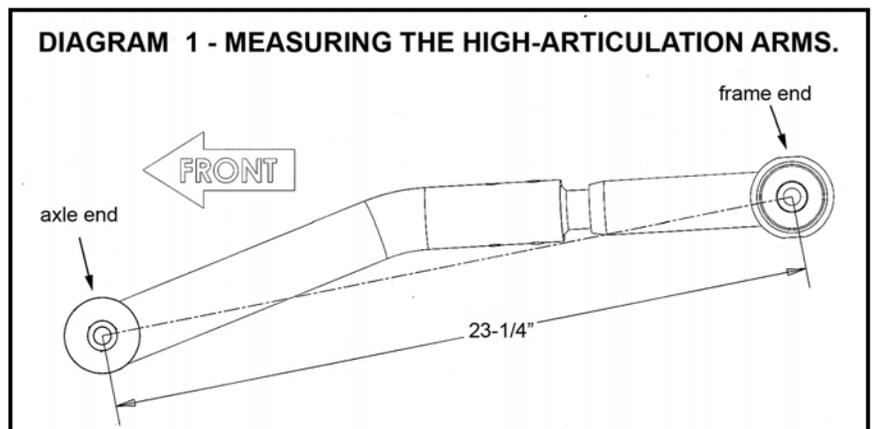
Prior to raising the vehicle, detach the axle end of the track bar then tie the bar up out of the way.

Place vehicle in neutral. Raise the front of the vehicle with a jack and secure a jack stand beneath each frame rail, just behind the axle-to-frame link arm brackets. Ease the frame down onto the stands, place transmission in low gear or "park", and chock rear tires. Remove front tires.

#### 2) HIGH-ARTICULATION LINK ARM PREPARATION... [DIAGRAM 1]

Each arm's axle end requires a 2-piece Urethane bushing and inner wear sleeve. Thoroughly lubricate all bushing and sleeve bearing surfaces with a light, Silicone or Lithium-based grease then install them into the link eyes.

Grease fittings - When installed on the vehicle, the Urethane bushing ends attach to the axle, and the rubber bushing ends attach to the frame. Install the grease fittings on the Urethane-bushed ends with the fitting pointing down. Install the grease fitting on the threaded swivel end so it points forward.



High-articulation link arm length, measured from center of eye-to-center of eye, must measure 23-1/4"; verify that both arms are set to this length. If adjustment is necessary, rotate the threaded swivel end accordingly. Consider grease fitting orientation when setting link arm length.



## INSTALLATION INSTRUCTIONS

### Mopar Performance High-Articulation Link Arms

2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD

PART NUMBER P5155420

PART NUMBER P5155421

### 3) HIGH-ARTICULATION LINK ARM INSTALLATION... [DIAGRAMS 1, 2 and 3]

☐ Position a jack under the center of the front axle and raise it enough so that it supports, but does not raise, the axle assembly.

**NOTE:** Perform the remaining steps in step 3 one side at a time.

☐☐ Remove the factory front / lower link arm.

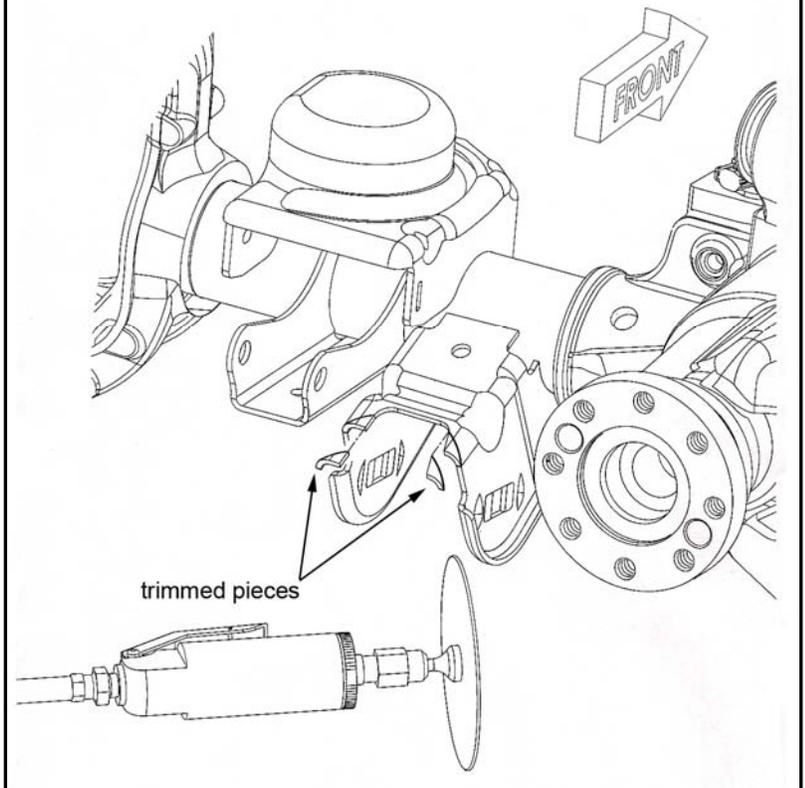
☐☐ [DIAGRAM 2] Using a grinder or cut-off wheel, clearance the lower link arm mounts at the axle, as shown. Not much clearancing is required; simply remove the mount's top radius.

☐☐ The high-articulation link arms are side specific. Attach the threaded swivel end of the High-articulation link arm-to-frame using the factory hardware; install the bolt from the outside. Verify that the grease fitting is on top and oriented towards the front of the vehicle, as shown in Diagram 1. Do not tighten the link arm bolt yet.

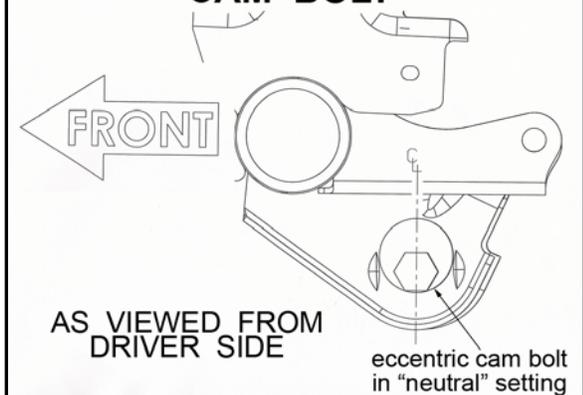
☐☐ Attach the Urethane end of the link arm-to-axle using the factory hardware; snug-up, but do not fully tighten yet. Verify that the grease fitting is pointing downward.

**NOTE:** [DIAGRAM 3] The link arm-to-axle bolt washers will either be standard (the washer hole is centered), or eccentric (the washer hole is offset). If the vehicle is equipped with eccentric cam bolts / washers, rotate each cam bolt assembly so the bolt head is in this position, caster is at the desired "neutral" setting. These bolts will be fully tightened in a later step.

### DIAGRAM 2 - CLEARANCING THE FRONT AXLE MOUNTS - Trim the corners of the mounts on the axle using a grinder or cut-off wheel.



### DIAGRAM 3 - ECCENTRIC CAM BOLT





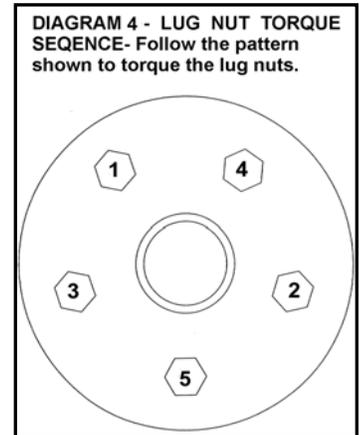
**INSTALLATION INSTRUCTIONS**  
**Mopar Performance High-Articulation Link Arms**  
**2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD**  
PART NUMBER P5155420  
PART NUMBER P5155421

**4) TIRES / WHEELS...** [DIAGRAM 4]

- Tighten the lug nuts (115) in the sequence shown.

**WARNING:** When the tires / wheels are installed, always check for and remove any corrosion, dirt, or foreign material on the wheel mounting surface, or anything that contacts the wheel mounting surface (hub, rotor, etc.). Installing wheels without the proper metal-to-metal contact at the wheel mounting surfaces can cause the lug nuts to loosen and the wheel to come off while the vehicle is in motion.

**WARNING:** Retighten lug nuts at 500 miles after any wheel change, or anytime the lug nuts are loosened. Failure to do so could cause wheels to come off while vehicle is in motion.



- Lower vehicle to the floor. The suspension is now supporting vehicle weight.

**5) HARDWARE TIGHTENING SEQUENCE...**

- Reattach the lower end of the track bar-to-axle using the factory hardware. If necessary, you can shift the body / frame slightly (by moving the steering wheel) to simplify bar-to-axle bracket alignment. Tighten (130).

- Tighten link arm bolts at the axle and frame (125).

**6) INITIAL CLEARANCE CHECK...**

- Raise the vehicle and again secure the jack stands as covered in step 1. With the suspension “hanging” at full extension travel, cycle steering lock-to-lock and check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels and brake hoses, wiring, etc.

- Lower the vehicle to the floor.

- 7)  LUBRICATE the HIGH-ARTICULATION LINK ARMS...** Lubricate all grease fittings until grease is barely visible around the bushings and pivot points. Lubricate the arms at every oil change and after every off-road trip.

**8)  FINAL CLEARANCE and TORQUE CHECK...**

With vehicle on floor, cycle steering lock-to-lock and inspect the tires / wheels, and the steering, suspension, and brake systems for proper operation, tightness and adequate clearance.



## INSTALLATION INSTRUCTIONS

### Mopar Performance High-Articulation Link Arms

2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD

PART NUMBER P5155420

PART NUMBER P5155421

#### 9) ALIGNMENT... Caster angle should be correct if...:

A - ...the vehicle is equipped with a 3" to 4" suspension lift.

B - ...on vehicles equipped with eccentric cam bolts, the bolts were properly positioned as instructed in step 3.

But, since caster angle can vary significantly from one vehicle to the next, and caster can also vary from side-to-side, we highly recommend that alignment be checked by a professional.

### REAR PROCEDURE

**NOTE:** Save all factory components and hardware for reuse, unless noted.

#### 10) PREPARE VEHICLE...

Place vehicle in low gear or park. With the suspension supporting vehicle weight, and the vehicle on level ground, use an inclinometer to take a rear driveshaft angle reading. This reading will be needed if a driveline vibration exists after installation.

Prior to raising the vehicle, detach the axle end of the track bar then tie the bar up and out of the way.

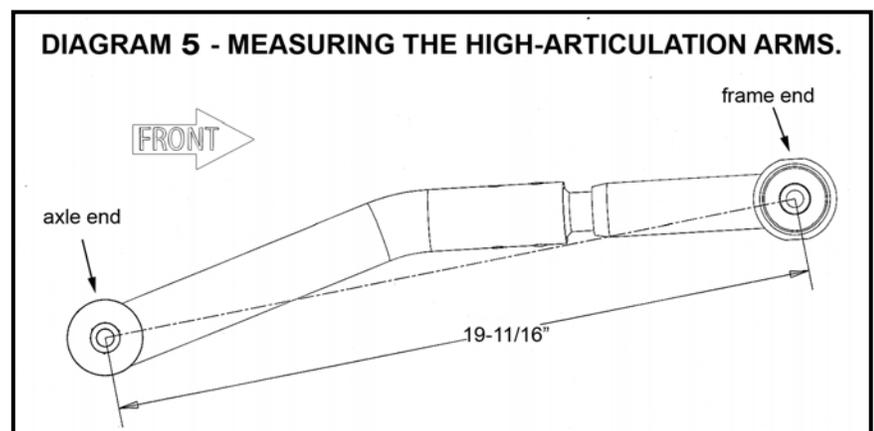
Place vehicle in neutral. Raise the rear of the vehicle with a jack and secure a jack stand beneath each frame rail, just in front of the brackets for the lower link arms. Ease the frame down onto the stands, place transmission in low gear or "park", and chock front tires. Remove rear tires.

#### 11) HIGH-ARTICULATION LINK ARM PREPARATION...

Each link arm's axle end requires a 2-piece Urethane bushing and inner wear sleeve. Thoroughly lubricate all bushing and sleeve bearing surfaces with a light, Silicone or Lithium-based grease then install them into the link arm eyes.

Grease fittings - The threaded swivel end of the high-articulation link arm attaches to the frame; install this 90-degree grease fitting so that it points rearward or inboard. On the link arm's opposite (axle) end, install this 90-degree grease fitting so, when on the vehicle, it points forward.

[DIAGRAM 5] High-articulation link arm length, measured from center of eye-to-center of eye, must measure 19-11/16"; verify that both arms are set to this length. If adjustment is necessary, rotate the threaded swivel end accordingly. Consider grease





**INSTALLATION INSTRUCTIONS**  
**Mopar Performance High-Articulation Link Arms**  
**2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD**  
PART NUMBER P5155420  
PART NUMBER P5155421

fitting orientation when setting link arm length.

**12) HIGH-ARTICULATION LINK ARM INSTALLATION...**

Position a jack under the center of the rear axle and raise it enough so that it supports, but does not raise, the axle assembly.

**NOTE:** Perform the remaining steps in step 12 one side at a time.

Remove the factory lower / rear link arm.

Attach the threaded swivel end of the high-articulation link arm-to-frame using the factory hardware; install the bolt from the outside. Verify that the grease fitting is on top and oriented towards the inboard or rear of the vehicle. Do not tighten the link arm bolt yet.

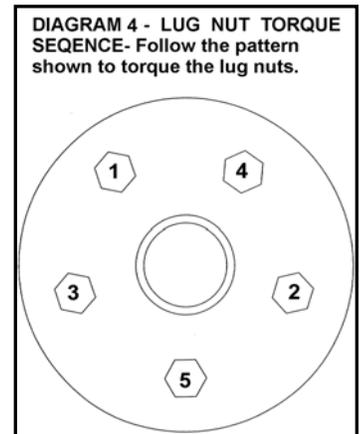
Attach the opposite end of the high-articulation link arm-to-axle using factory hardware. The grease fitting should be on bottom of the arm. Do not tighten the link arm bolt yet.

**13) TIRES / WHEELS... [DIAGRAM 4]**

Tighten the lug nuts (115) in the sequence shown.

**WARNING:** When the tires / wheels are installed, always check for and remove any corrosion, dirt, or foreign material on the wheel mounting surface, or anything that contacts the wheel mounting surface (hub, rotor, etc.). Installing wheels without the proper metal-to-metal contact at the wheel mounting surfaces can cause the lug nuts to loosen and the wheel to come off while the vehicle is in motion.

**WARNING:** Retighten lug nuts at 500 miles after any wheel change, or anytime the lug nuts are loosened. Failure to do so could cause wheels to come off while vehicle is in motion.



Lower vehicle to the floor. The suspension is now supporting vehicle weight.

**14) HARDWARE TIGHTENING SEQUENCE...**

Reattach the lower end of the track bar-to-axle using the factory hardware (125).

Tighten the axle and frame link arm bolts (125).

**15)  LUBRICATE the HIGH-ARTICULATION LINK ARMS...** Lubricate all grease fittings until grease is barely visible around the bushings and pivot points. Lubricate the arms at every oil change and after every off-road trip.



**INSTALLATION INSTRUCTIONS**  
**Mopar Performance High-Articulation Link Arms**  
**2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD**  
PART NUMBER P5155420  
PART NUMBER P5155421

**16) □ FINAL CLEARANCE and TORQUE CHECK...** With vehicle on floor, inspect the tires / wheels, suspension and brake systems for proper operation, tightness, and adequate clearance.

**17) DRIVESHAFT ANGLE... procedure for trouble-shooting a driveshaft angle related driveline vibration:** Use an inclinometer to take a rear driveshaft angle reading and compare this to the reading taken in step 10. The goal is to get as close to the original angle as possible. To adjust driveline angle, unbolt the threaded swivel ends of the link arms, one side at a time, and lengthen or shorten them accordingly: To reduce vibration under acceleration, lengthen the arms, which moves the axle pinion downward. To reduce vibration under deceleration, shorten the arms, which rotates the pinion upward. It is crucial that both arms are adjusted the same amount so that arm length and vehicle wheelbase remains equal.

**IMPORTANT:** Do not adjust the link arms more than 3 full revolutions from their initial set running length of 19-11/16”.

**Important Maintenance Information**

It is the ultimate buyer's responsibility to have all bolts / nuts checked for tightness after the first 100 miles and then every 1000 miles. The steering, suspension and driveline systems, plus wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

**Mopar® Performance Suspension Limited Lifetime Warranty by LKI Inc.**

Your warrantor is LKI Enterprises, Inc. (LKI). The entire product warranty process is handled by LKI, not by Chrysler LLC, any Jeep® or Dodge® vehicle dealership, or any Mopar® distributor or retailer.

This product is covered by the Limited Warranty explained below that gives you specific legal rights. This Limited Warranty is the only warranty LKI, or any other manufacturer, dealer or distributor makes in connection with your performance suspension accessories. Your performance suspension involves several unique **WARNINGS**, and installation of these parts may affect other portions of your Jeep® or Dodge® vehicle warranties... **read carefully.**

**What is covered?** Subject to the terms below, LKI will repair or replace its products found defective in materials or workmanship for so long as the original purchaser owns the vehicle on which the product was originally installed.

**What is not covered?** The addition of performance parts does not by itself void a vehicle's warranty. However, added performance parts (parts not originally supplied on the vehicle from the factory) are not covered by the vehicle's warranty, and any failure that they may cause is also not covered by the vehicle's warranty. Additionally, your LKI Limited Warranty does not cover products, parts or vehicles LKI determines to have been damaged by or subjected to:

- Alteration, modification or failure to maintain.
- Normal wear and tear (bushings, tie-rod ends, etc.). Scratches or defects in product finishes (powder coating, plating, etc.),
- Damage to or resulting from vehicle's electronic stability system, related components or other vehicle systems.
- Racing or other vehicle competitions or contests. Accidents, impact by rocks, trees, obstacles or other aspects of the environment.
- Theft, vandalism or other intentional damage.



## INSTALLATION INSTRUCTIONS

### Mopar Performance High-Articulation Link Arms 2007 – NEWER JEEP WRANGLER (JK) 4WD and 2WD

PART NUMBER P5155420

PART NUMBER P5155421

---

**Remedy Limited to Repair / Replacement.** The exclusive remedy provided hereunder shall, upon LKI's inspection and at LKI's option, be either repair or replacement of product or parts covered under this Limited Warranty. Customers requesting warranty consideration should contact LKI by phone (1-800-551-4955) to obtain a Returned Goods Authorization number. All removal, installation and shipping costs are customer's responsibility.

If a replacement part is needed before the Mopar® part in question can be returned to LKI, you must first purchase the replacement part from LKI. Then, if the part in question is deemed warrantable, you will be credited / refunded by LKI.

#### **Other Limitations - Exclusion of Damages - Your Rights Under State Law**

- Neither LKI, Chrysler LLC, nor your Jeep®, Dodge® or Mopar® dealer are responsible for any time loss, rental costs, nor for any incidental, consequential or other damages you may have.
- This Limited Warranty gives you specific rights. You may also have other rights that vary from state to state. For example, while all implied warranties are disclaimed herein, any implied warranty required by law is limited to the terms of our Limited Lifetime Warranty as described above. Some states do not allow limitations of how long an implied warranty lasts and / or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you.

**MOPAR® DIRECT CONNECTION TECH LINE**  
**1-888-528-HEMI (4364)**

**LKI WARRANTY LINE**  
**1-800-551-4955**