



## INSTALLATION INSTRUCTIONS

**Product: Front Lower Control Arms**

**Part Number: JKS1621**

**Applications: Wrangler JL, 2018 (front only); JT Gladiator, 2020**

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### Welcome

CONGRATULATIONS on purchasing a set of new Control Arms from JKS Manufacturing. We are committed to providing you with the best products available and your satisfaction is our first priority.

PLEASE READ these Installation Instructions carefully, and save them for future reference, as they contain important installation and maintenance information.

### Important

**SUSPENSION COMPONENTS THAT HAVE RUBBER BUSHINGS must be tightened with vehicle on level ground and at normal ride height. The springs must be supporting weight of vehicle when the hardware is torqued.**

**RUBBER BUSHINGS MUST NEVER BE LUBRICATED, as doing so will impair performance and longevity.**

**COMPATIBLE WITH original 4-link suspension configuration and vehicle ride height up to 4.5".**

**REFER TO FACTORY SERVICE MANUAL for information and procedures not covered in these instructions.**

### Tools Required

- Hydraulic Floor Jack and Jack Stands
- Metric Socket Wrench Set
- Torque Wrench
- Heavy Duty Ratchet Strap
- Cut of wheel or equiv.

*\* Asterisk denotes tools that are not required for some applications. Thoroughly read instructions first to determine which tools will be required for your application.*



### ATTENTION INSTALLER

Install control arms one at a time for easiest alignment of mounting hardware.

### Installation

- ❑ 1. REMOVE ORIGINAL LOWER SUSPENSION ARM
  - Raise and support the vehicle chassis with jack stands positioned in rear of the front lower suspension arm brackets.
  - Raise the front axle housing back into position and support with a hydraulic jack. HINT: The axle housing should be evenly supported and the suspension at normal ride height. Do not attempt removal or installation with the suspension extended, or the axle drooped, as this will place tension on suspension arm mounting hardware.
  - Remove the brake line control arm bracket from the control arm and brake line. These will not be re-used.



- Remove the lower suspension arm bolt and nut from the axle mount. Retain the original mounting hardware.
- Remove the bolt and nut from the chassis rail bracket. Retain the original mounting hardware.
- Remove the original lower suspension arm from the vehicle.
- The factory shock bolts will need to be cut shorter to clear the larger JKS control arms. Using a cut off wheel, leave about 1/4" of threads past the nut and cut off the bolt



- Proceed to step 2. Complete installation on one side before starting other side.

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## □ 2. INSTALL CONTROL ARM

- Establish control arm orientation. The arms should be mounted so that the bend goes inward (away from the tire) and the end closest to the bend mounts to the frame.



- Mount the control arm to the frame rail bracket. Install the original mounting bolt and nut. Finger tighten the bolt. DO NOT torque mounting hardware until instructed.
- Mount the control arm to the axle housing bracket. Install the original mounting bolt and finger tighten the nut. DO NOT torque mounting hardware until instructed.

**HINT:** If mounting bolt is difficult to install due to misalignment of Control Arm bushing with mounting bracket, either (1) adjust height of axle housing with hydraulic jack, (2) move axle housing into position with a heavy-duty ratchet strap, or (3) temporarily disconnect track bar until mounting holes align.

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## □ 3. TIGHTEN MOUNTING HARDWARE

- Once both Control Arms have been properly installed, lower the vehicle to the ground until coil springs are supporting the full weight of vehicle.
- Using a torque wrench, tighten all mounting hardware to 207 ft-lbs.

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## □ 4. POST-INSTALLATION INSTRUCTIONS

- Installing the new longer lower control arms will affect the vehicle alignment by adding more caster. This may also slightly affect the steering wheel position, making it off-center. It is important that the steering wheel is centered to avoid adverse affects on the vehicle's electronic stability control (ESC) system. JKS recommends having the alignment check by a qualified alignment shop.
  - Check mounting hardware for proper torque.
  - Check hardware after 500 miles of use.
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