

Installation Instructions

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Jeep Grand Cherokee WK Installation Instructions

The Optional Hardware Kit(s):

WK Lower Rear Hardware

- (4) 9/16"x4" coarse thread bolts
- (8) 9/16" washers
- (4) 9/16" top-lock nuts

WK Upper Rear Hardware

- (2) 12mmx80mm bolts
- (4) 12mm washers
- (2) 12mm top-lock nuts
- (2) 14mm x 120mm bolts
- (4) 14mm washers
- (2) 14mm top-lock nuts

Required Tools

- Basic hand tools
- Torque Wrench
- Tools to torque down jam nuts, can be an adjustable wrench or appropriate sized crows foot adapters

Torque Specs

- 9/16": 125-130 ft-lbs
- 12mm: 65 ft-lbs.
- 14mm: 120 ft-lbs
- 1-5/8" jam nut: 250 ft-lbs
- 1-1/2" jam nut: 200 ft-lbs

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Installation Notes:

- We leave the grease fittings out of our control arm when we assemble them so that they do not break off during shipping. They are tapered fittings and may not sit flush with the sleeve on the control arm. Do not force the grease fitting to be flush as it might break the fitting off in the sleeve resulting in needing to extract the broken part or to send it back in to us to repair the threads.
- There are two different bolt sizes on the rear upper control arms. When removing the factory control arms, make note of what size bolt goes where on the frame and axle and install the new control arm in the same orientation. The larger bolt goes to the frame and the smaller bolt goes to the axle.

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Length Chart:

WK Length Chart						
	Stock	2"	3"	4"	5"	6"
Rear Lowers	18.5"	18-5/8"	18-3/4"	19"	19-1/4"	19-5/8"
Rear Uppers	16.188"	16-1/4"	16-7/16"	16-5/8"	17"	17-3/8"
Rear Track Bar						

*Note: these are only starting lengths and might not be accurate for your application.

Control Arm Identification

**1. Adjustable Rear
Upper Control
Arms.**

**2. Adjustable Rear
Lower Control
Arms.**



*Note: Camp Series control arms are shown in the above image.

Jeep WK Rear Lower Control Arms Installation

Removal

Raise and support the rear of the vehicle. Remove and install only one arm at a time, then proceed to the next arm.

Step 1: Remove axle side nut and bolt.

Step 2: Remove frame side nut and bolt.

Step 3: Remove the control arm.

Installation

Unscrew the new arms and apply anti-seize to the threads. Set the new arms to the correct length for your application. Length varies based on lift height, desired axle position, and desired pinion angle. (Some research may be required to determine the correct length for your application)

Step 4: Slide the control arm into the axle bracket. Insert the bolt, tighten the nut only finger tight.

Step 5: Slide the other end of the control arm into the frame side bracket, insert bolt and tighten only finger tight. *Note that in order to line up the holes, using something like a ratchet strap to pull the axle into place might be necessary.

Step 6: Repeat steps 1-5 for the other lower rear control arm. Set the Jeep on the ground under its own weight.

Step 7: Tighten all bolts to the proper torque spec.

Step 8: Tighten the jam nuts on the adjusting end to the tube of the control arms. *Note: keeping the jam nuts tight is a part of regular maintenance and failure to do so will result in premature thread damage and will not be covered under warranty.

Step 9: Grease all joints and bushings and grease every 6 months. Re-torque all bolts and nuts after 300 miles and check suspension for tightness every 3,000 miles thereafter.

Jeep WK Rear Upper Control Arms Installation

REMOVAL

Raise and support the rear of the vehicle. Remove and install only one arm at a time, then proceed to the next arm.

Step 1: Remove the axle side bolt and nut.

Step 2: Remove the frame side bolt and nut.

Step 3: Remove the control arm.

Installation

Unscrew the new arms and apply anti-seize to the threads. Set the new arms to the correct length for your application. Length varies based on lift height, desired axle position, and desired pinion angle. (Some research may be required to determine the correct length for your application)

Step 4: Slide the control arm into the axle end bracket, insert bolt and tighten only finger tight.

Step 5: Slide the other end of the control arm into the frame side bracket, insert bolt and tighten only finger tight. *Note that in order to line up the holes, using something like a ratchet strap to pull the axle into place might be necessary.

Step 6: Repeat steps 1-5 for the other rear upper control arm. Set the Jeep on the ground under its own weight.

Step 7: Tighten all bolts to the specified torque spec.

Step 8: Tighten the jam nuts on the adjusting end to the tube of the control arms. *Note: keeping the jam nuts tight is a part of regular maintenance and failure to do so will result in premature thread damage and will not be covered under warranty.

Step 9: Grease all joints and bushings and grease every 6 months. Re-torque all bolts and nuts after 300 miles and check suspension for tightness every 3,000 miles thereafter.