



JK LCA/TB Hardware Upgrade Kit Part Number 10029

How to install the 10029 Lower Control Arm/Track Bar Hardware Upgrade Kit on a Jeep Wrangler JK.

Written By: Chris



INTRODUCTION

This guide will walk through the correct installation procedure for the Grimm OffRoad JK Lower Control Arm/Track Bar Hardware Upgrade Kit.

Consumer Warning

All Grimm OffRoad products must be installed by a competent and qualified individual in accordance with the installation instructions intended for the product. Incorrectly installed products will void any warranties and may result in damage to the product or damage to the vehicle it was installed on. Read any provided instructions or guides and watch any available videos before attempting installation. If there are any questions, please contact Grimm OffRoad before starting installation.

Many products require the vehicle be properly raised and supported off the ground. The installer is responsible for confirming that this may be done in a safe manner and the correct equipment is available to perform the installation. Grimm OffRoad installation instructions assume the installer is able to properly and safely lift the vehicle.

Vehicles that have been modified will not perform the same as a stock vehicle. It is incumbent upon the owner of the vehicle to be aware of the differences the modifications will make to the driving characteristics of the vehicle. These may include (but are not limited to): changes in handling, braking, rollover angle, incompatibilities with the factory anti-lock braking systems, stability control systems, or traction control systems.



TOOLS:

- [Jack \(Recommended\)](#) (1)
- [Jack Stand \(Recommended\)](#) (4)
- [Breaker Bar](#) (1)
- [Impact Wrench \(Recommended\)](#) (1)
- [Torque Wrench](#) (1)
- [21mm Socket/Wrench](#) (1)
- [22mm Socket/Wrench](#) (1)
- [13/16" Socket/Wrench](#) (1)
- [7/8" Socket/Wrench](#) (1)
- [Ratchet Strap](#) (1)




PARTS:

- [9/16-18 x 3" Grade 8 Hex Head Bolt](#) (4)
- [9/16-18 x 4" Grade 8 Hex Head Bolt](#) (8)
- [9/16-18 Hex Lock Nut](#) (12)
- [9/16 Hardened Flat Washer](#) (24)
- [M14-1.5 x 80mm Class 10.9 Hex Head Bolt](#) (1)
- [M14-1.5 Hex Lock Nut](#) (1)

Step 1 — Included Parts



 Verify that all parts shown in the picture are present.

Step 2 — How To Install



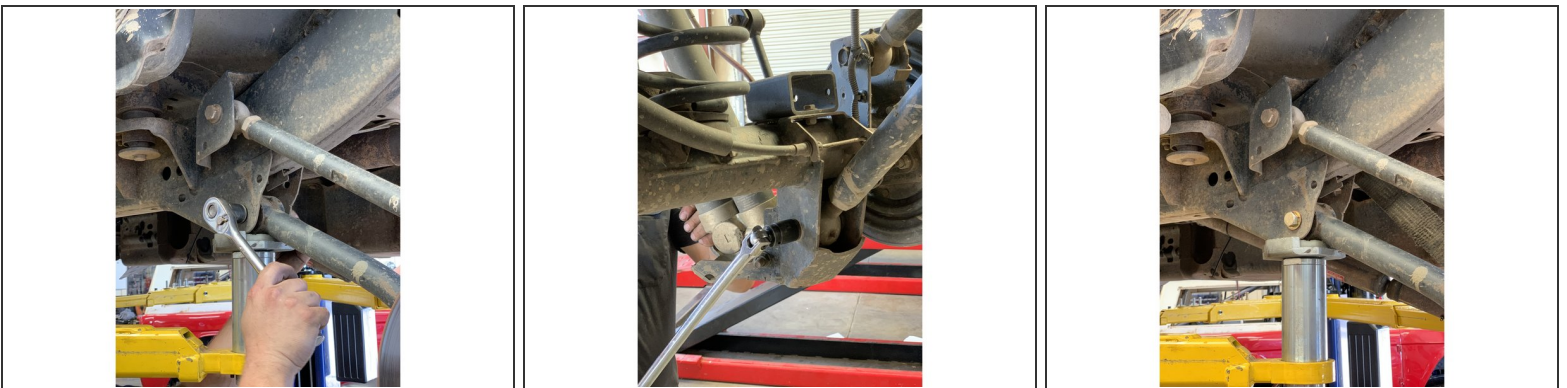
- ⓘ This hardware kit should be installed with the vehicle on the ground resting on its own weight and is easiest with the wheels/tires removed.
- ⓘ We recommend placing the front and rear axles on jack stands and removing the wheels/tires.
- ⓘ When replacing the stock hardware with the hardware included in this kit, changing one piece at a time will make the job easier by keeping the axles in alignment.
- ⓘ If any bolts do not line up or are difficult to get in, a ratchet strap may be used to pull the components back into alignment. If you left the wheels and tires on and the vehicle is sitting on the ground, having a helper turn the steering wheel or push on the side of the Jeep can help align the components.
- ⓘ An impact wrench will make this job easier, but a breaker bar can be used as well.
- ⓘ If the Jeep has stock control arms/track bars or components that use stock-style Clevite bushings, the bolts must be torqued at ride height. If any components use free-spinning aftermarket bushings, they may be torqued at any height but it is generally best practice to torque at ride height.

Step 3 — Front LCA Hardware



- Start with the front lower control arms.
 - Remove one bolt at a time and replace with a 9/16-18 x 4" bolt and lock nut with washers under the head of the bolt and lock nut.
 - Repeat for all four bolts on both front lower control arms.
- i** Torque to 130 lb-ft [175 Nm].

Step 4 — Rear LCA Hardware



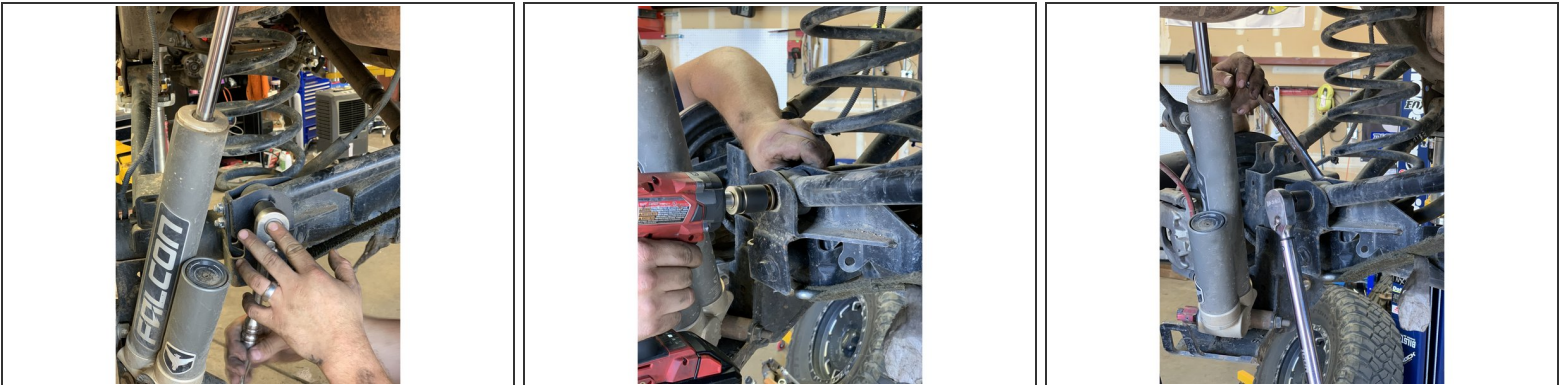
- Move to the rear lower control arms.
 - Remove one bolt at a time and replace with a 9/16-18 x 4" bolt and lock nut with washers under the head of the bolt and lock nut.
 - Repeat for all four bolts on both rear lower control arms.
- i** Torque to 130 lb-ft [175 Nm].

Step 5 — Rear Frame Side Track Bar Hardware



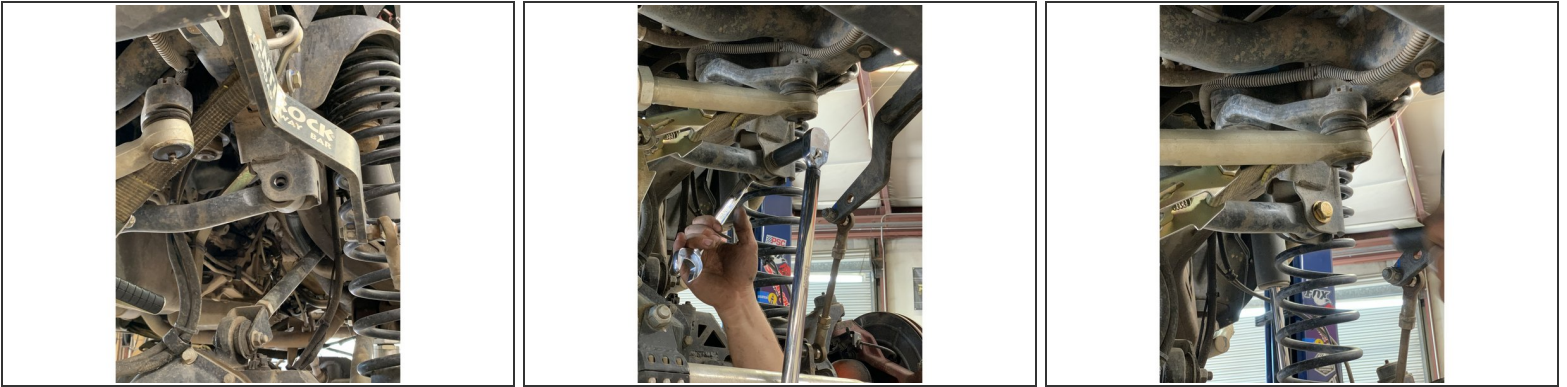
- Remove the rear frame side track bar bolt and nut.
- ⓘ Make sure to hold onto the track bar so it doesn't drop out of the bracket.
- Replace with a 9/16-18 x 3" bolt and lock nut with washers under the head of the bolt and lock nut.
- ⓘ Torque to 130 lb-ft [175 Nm].

Step 6 — Rear Axle Side Track Bar Hardware



- Remove the rear axle side track bar bolt and flag nut.
- Replace with a 9/16-18 x 3" bolt and lock nut with washers under the head of the bolt and lock nut.
- ⓘ Torque to 130 lb-ft [175 Nm].

Step 7 — Front Frame Side Track Bar Hardware



- Remove the front frame side track bar bolt and nut.
- ⓘ Make sure to hold onto the track bar so it doesn't drop out of the bracket.
- Replace with a 9/16-18 x 3" bolt and lock nut with washers under the head of the bolt and lock nut.
- ⓘ Torque to 130 lb-ft [175 Nm].
- ⓘ If your JK is a 2012 model year or newer and you are still running the stock front track bar, the 9/16 bolt will not fit and the provided M14-1.5 x 80mm bolt and lock nut will need to be used instead.

Step 8 — Front Axle Side Track Bar Hardware



- Remove the front axle side track bar bolt and flag nut.
- Replace with a 9/16-18 x 3" bolt and lock nut with washers under the head of the bolt and lock nut.
- ⓘ Torque to 130 lb-ft [175 Nm].

Installation is complete!

With any modified vehicle, or any vehicle used offroad, it is a good idea to check bolt torques periodically and visually inspect components regularly.