

Rock Krawler High Clearance Adjustable Lower Control Arms (07-18 Wrangler JK)

Note: You might need a friend to help tighten the jam nuts.

Installation Time: 2 Hours

Tools Required:

- ✓ Sockets: 7mm, 21mm x2, socket extension.
- ✓ Socket wrench
- ✓ Breaker bar
- ✓ Torque wrench
- ✓ 1 ½" crowfoot wrench
- ✓ Large adjustable wrench
- ✓ Anti-seize
- ✓ Loctite
- ✓ Tape measure
- ✓ Angle finder
- ✓ Large screwdriver
- ✓ Grease gun (with 000 grease)

Before Picture:



Installation Instructions:

1. Start by unscrewing the joints and putting anti-seize on the threads. This will keep them adjustable years down the road.



2. Using a 7mm socket install the grease fittings on all joints. Be careful not to overtighten them as they can easily strip. Using 000 grade grease, grease all the joints while you're at it.



3. Make sure your Jeep is parked on level ground. Use a 2x 21mm sockets remove the driver side control arm bolts, then remove the control arm.



4. Next, adjust your new control arm to the desired length. This will depend on your lift height. Rock Krawler recommended starting lengths: 1.5" lift – 22 7/8", 2.5" lift - 23", 3.5" lift – 23 1/8". You can also choose to match the length of you stock arms as a starting point. Adjust both arms to the same length and hand tighten the jam nuts. The measurement is taken from the center of each mounting hole. Install the new control arm using stock hardware. Make sure the bend in the arm is up and that the grease fittings are all pointed up. For now do not tighten the bolts.



5. Repeat steps 1-4 on the passenger side.



6. Now you need to determine if your arms are the correct length or if they need to be adjusted. Using an angle finder placed on the bottom of the axle C you can measure your caster. Ideally you want around $+5^{\circ}$ of caster. This means that the axle C should be tilted 5° backward. But the more caster you have the worse your driveshaft angle will be, so you need to find a happy medium. *Note: These directions are a very rough way to check your caster. I recommend for the final adjustment you have a professional shop check your alignment.*



7. You want your driveshaft and differential to be lined up as much as possible while keeping close to 5° of caster. Incrementally adjust your arms to find the best length for your specific Jeep. Be sure to adjust both arms the exact same amount each time.



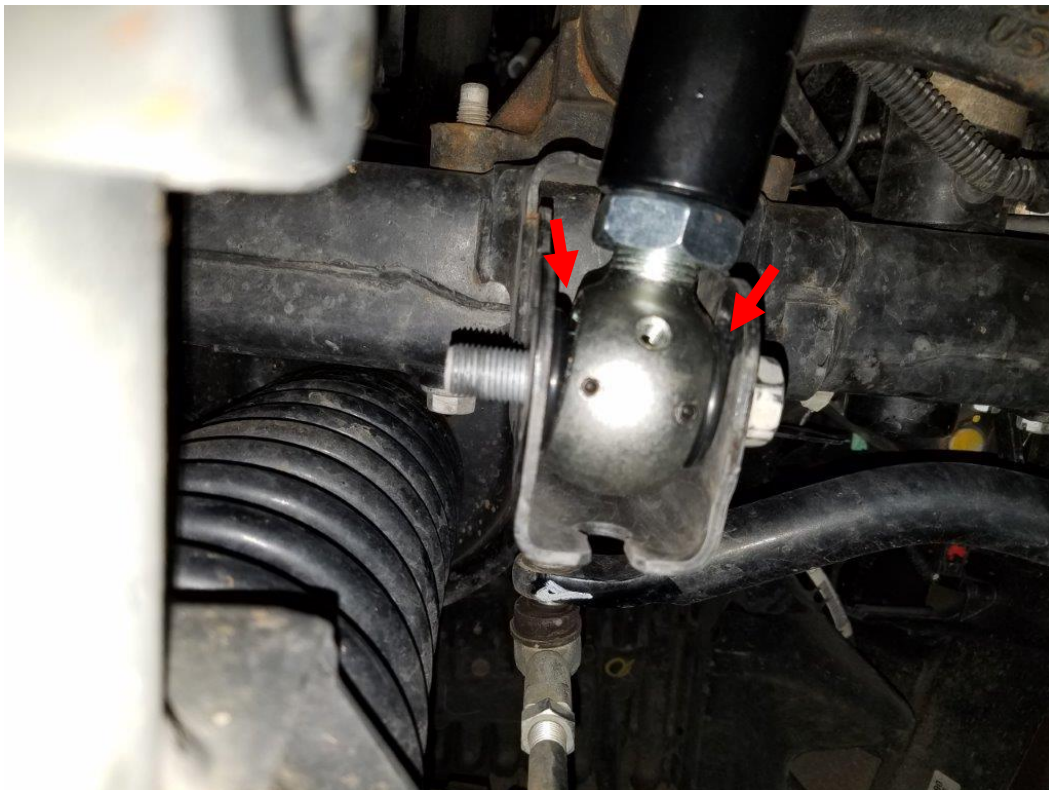
8. When you find the proper length you will need to tighten the jam nuts to 250ft/lbs. I recommend having a friend help you. First, apply Loctite to the threads, then using a large screwdriver or long socket extension, hold both joints strait. Using a 1 1/2" crowfoot and torque wrench, tighten the jam nuts. *Note: If your wrench will fit you can also tighten the jam nut with the control arm still on the vehicle.*



9. When you reinstall the arms, be sure that the joints are strait as possible as shown below. If not you will need to adjust them.



10. You do not want the joints to be crooked as shown below.



11. Last, be sure to tighten all 4 control arm mount bolts. Using 2x 21mm sockets and a torque wrench, tighten them to 125ft/lbs.

After Picture:



Installation Instructions Written by ExtremeTerrain Customer John Parker 1/15/2018