

Front Adjustable Flex Lower Control Arms

Jeep Wrangler JL

Part #: 124343

Rev. 053119



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SAFETY WARNING

BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Raise the front of the vehicle and support with jack stands under the frame behind the lower control arm mounts.
Optional: Remove the wheels. This can be done for easier access to the work area.
3. Support the axle with a hydraulic floor jack.
Optional: Disconnect the track bar from the axle. This will aid in realignment of the control arm bolts by allowing the axle to be centered under the vehicle at all times.
4. Unbolt the Brake line support bracket from the LCA and remove the bracket from the brake line.
5. With the axle well supported, remove the lower control arm bolts at the axle and frame. Remove both lower control arms from the vehicle. Save hardware.
6. Using a grinder, remove the material from the control arm mounts as shown for control arm clearance. (Figures 1).

FIGURE 1 - AXLE MOUNT



7. Adjust the arms to the desired length. Lengthening the arms will increase caster. Suggested length for 4-1/2" of lift is 24-9/16".



Tip Factory Length is 24". Be sure that both the driver's and passenger's arms are identical length.

124343 Box Kit

Part #	Qty	Description
A313	2	Front Adjustable LCA w/ Rubber Bushing

8. Using the OE hardware, install the rubber or poly control arm end in the axle with the bend towards the center of the vehicle for maximum tire clearance. The flex end mounts to the frame with the grease fitting up. (Figure 2). Torque flex end hardware to 207 ft-lbs. Leave hardware at the axle loose. It will be tightened with the vehicle at ride height.

FIGURE 2



9. If removed, re-install the wheels.
10. Lower the vehicle to the ground and bounce the front to settle the suspension.
11. If disconnected, install the track bar to the axle with the OE hardware and tighten to OE specs: 111 ft-lbs.
12. Tighten the control arm bolts at the axle. Tighten the bolts to 207 ft-lbs.
13. Tighten the jam nuts.
14. Grease the upper flex end with lithium based grease.
15. Check all hardware after 500 miles.
16. Grease control arm flex end at every regularly scheduled service.