

# Front Adjustable Flex Upper Control Arms

Jeep Wrangler JL | 2018-2023

Part #: 124344

Rev. 060723



491 W. Garfield Ave., Coldwater, MI 49036 • Phone: 517-279-2135

Web: [www.bds-suspension.com](http://www.bds-suspension.com) • E-mail: [tech-bds@ridefox.com](mailto:tech-bds@ridefox.com)

## 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 rails just behind the lower control arm pockets.
3. Adjust the new adjustable arms to desired length. Increasing the length will reduce caster.



### Tip

*Factory Length is 20-3/16". Be sure that both driver's and passenger's arms are identical lengths. Max length is 21-3/4".*

4. Support the front axle with a hydraulic jack. To access the frame bolts, it is necessary to remove the heat shield from the upper control arm frame mount (Fig. 1).



FIGURE 1

5. Remove the two (2) bolts per heat shield, one on top and one on the bottom using a 10 mm ratchet wrench. Retain hardware and heat shield for reinstallation in later step.
6. Remove the suspension arm nut and bolt from the axle housing bracket. Retain hardware for reinstallation.
7. Remove the control arm nut and bolt from the chassis rail bracket and retain original mounting hardware. Remove the upper suspension arm from the vehicle.
8. Install the new arm so that the grease fitting is accessible from the bottom and adjustable end to the chassis bracket.

### 124344 Box Kit

Part #	Qty	Description
A316	1	Front Adjustable Flex UCA - Drv
A317	1	Font Adjustable Flex UCA - Pass

Fasten the arm with the factory hardware, bolt head outboard and thread side pointing inboard. **DO NOT** torque mounting hardware until instructed.

9. Next, install the axle end hardware and nut, bolt head **inboard** and thread side **outboard**. Finger tighten hardware, **DO NOT** torque hardware until instructed.



### Tip

*The axle can be raised or lowered to aid in aligning the axle mounting holes with the control arms.*

10. Repeat steps 4-9 for opposite side of vehicle.
11. Once both control arms have been installed, torque the frame side mounting bolts to 37 ft-lbs plus 135 degrees. Reinstall both heat shields that to mounts at the control arms.
12. Once both frame mounts are torqued, lower the vehicle to the ground until the coil springs are supporting the full weight of the vehicle.
13. Torque both axle side control arm nuts to 41 ft-lbs plus 185 degrees.
14. Tighten the jam nuts using JKS1696 tool or equivalent.

**IMPORTANT:** Grease the adjustable flex ends with marine grade grease. Failure to grease flex ends after installation may result in poor performance or part failure from extended, unlubricated use.

## POST INSTALLATION

15. Check all hardware for proper torque.
16. Grease the upper flex end with marine grade grease.
17. Check all hardware after 500 miles.
18. Grease flex ends at every regularly scheduled service.