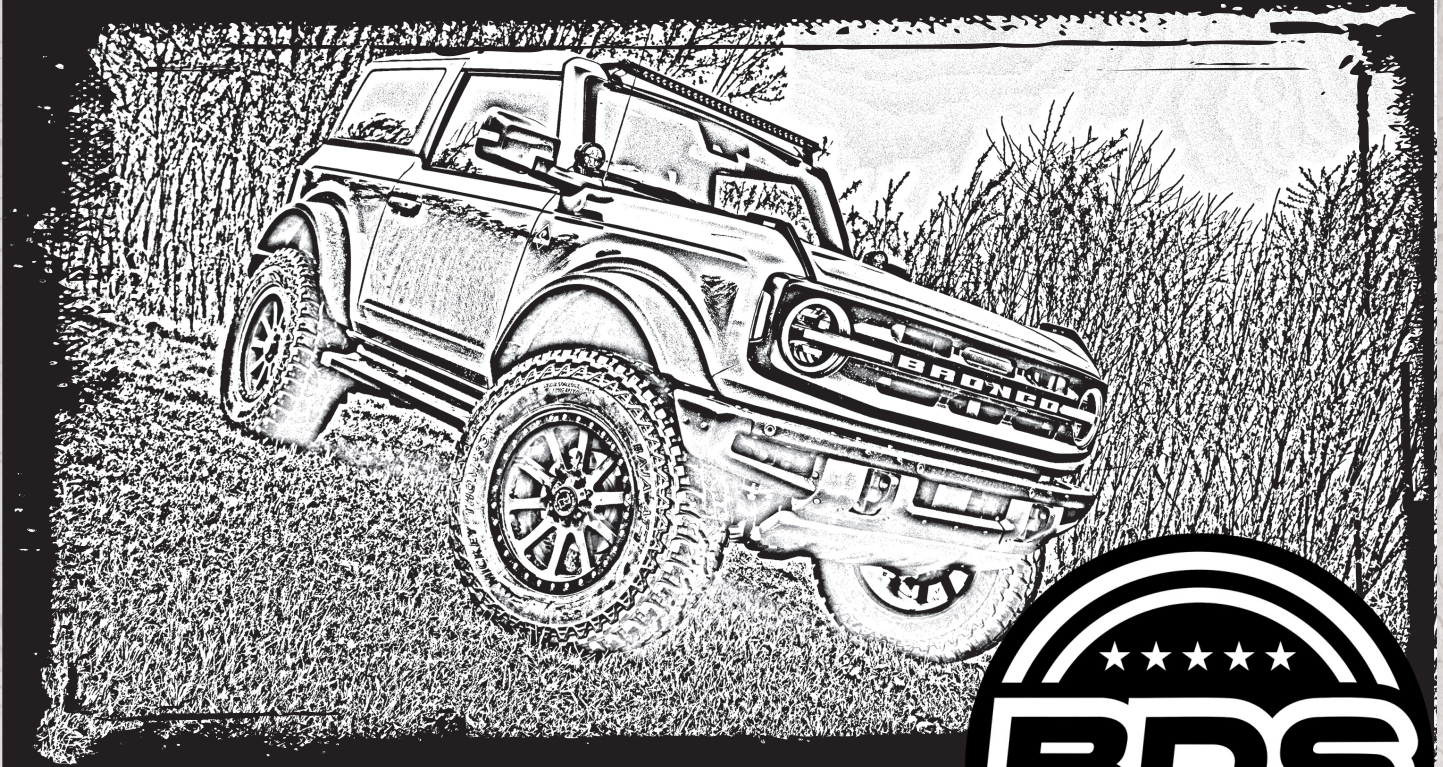


INSTALLATION GUIDE



Part #: 123257/123259

HARDCORE LIMITED LIFETIME WARRANTY

Rear Adjustable Lower Control Arms

Ford Bronco Model| 2021-22

Rev. 041223

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

123257/123259		
Part #	Qty	Description
A430	2	2021-22 Ford Bronco Rear Lower Control Arm - Rubber Bushings
A406	2	2021-22 Ford Bronco Rear Lower Control Arm - Flex End

A430



A406



INSTALLATION INSTRUCTIONS

1. It is recommended that this system be installed with the vehicle suspended on a professional hydraulic lift. Remove the rear wheels. This will give better access to the work area.
2. It is recommended that the fuel tank have little to no fuel in it as the fuel tank needs to be removed to access the passenger side lower control arm frame bracket bolt.
3. Install one control arm at a time.

DRIVER SIDE LOWER CONTROL ARM INSTALLATION

1. Remove the bolts from the driver side lower control arm. Retain factory hardware as it will be re-used. **FIG 1,2**



FIGURE 1



FIGURE 2

2. Adjust the arms to the desired length. It is recommended to measure the factory control arm from center to center of the bushing eyelet holes, then set your new control arm to the same length. Lengthening the lower arms and shortening the upper arms in the rear will lower the pinion angle. Lengthening the upper arms and shortening the lower arms will raise the pinion angle. **FIG.3**



Tip

Factory length for both Driver and Passenger side lower control arms is 25 3/4" from center to center of the bushing eyelet holes.



FIGURE 3

NOTE: Never un-thread the threaded eyelet end past 1 1/2" of adjustment. This can cause thread damage and weaken the joint. Extending the control arms too far can cause interference with trackbar bracket bolt and the axle. **FIG. 4**

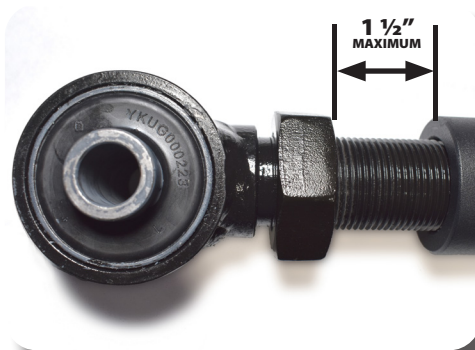


FIGURE 4

3. Install your new driver side lower control arm using the factory hardware. Install hardware loosely as the control arms should not be torqued until the vehicle is on the ground. Flex ends may be torqued with the vehicle on the lift, however the non-flex end must be torqued under load with the vehicle on the ground. Flex ends can be torqued to 159 ft-lbs.
4. Please note correct orientation of the new control arms. When installed the lower control arms have a bend that pushes it further away from the ground. **FIG. 5**



FIGURE 5

PASSENGER SIDE UPPER CONTROL ARM INSTALLATION

1. To access the passenger upper control arm bracket bolt found on the vehicle frame, the fuel tank will first need to be removed.
2. Detach fuel line found near the back of the tank by first pulling up on the blue tab then pushing to remove. **FIG. 6**
3. Remove Filler neck from tank by loosening hose clamp. Pull and twist to disconnect fuel filler neck from tank. **FIG. 7**



FIGURE 6



FIGURE 7

4. Disconnect fuel and evap lines found at the front of the fuel tank. Fuel is likely to spray out when the lines are disconnected so it is recommended that you wear eye protection when performing this step. To disconnect lines pull out colored clips and push in the button on the side of the fitting as shown in **FIG. 8, 9, 10, 11**



FIGURE 8

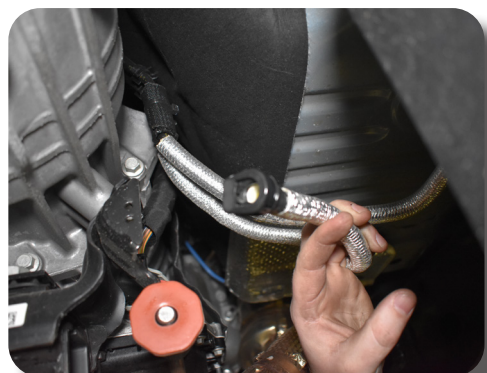


FIGURE 9



FIGURE 10



FIGURE 11

5. To perform the next step the fuel tank will need to be supported with a transmission jack.
6. Remove the 8 bolts attaching the fuel tank to the frame and undercarriage of the vehicle. **FIG. 12,13,14,15,16**



FIGURE 12

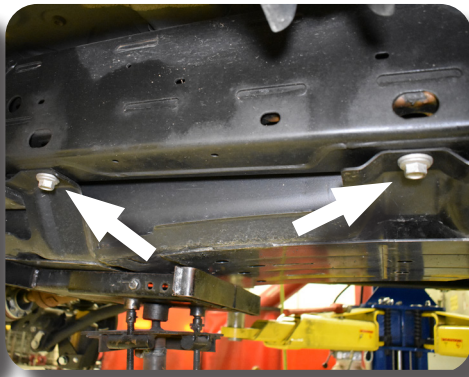


FIGURE 13

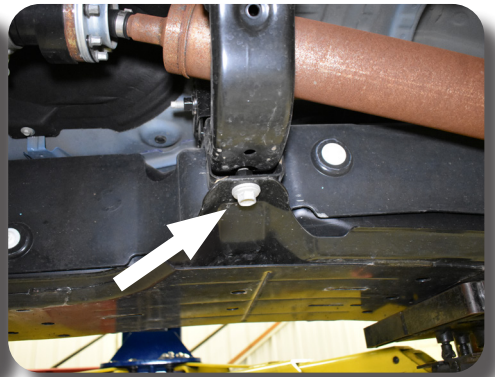


FIGURE 14

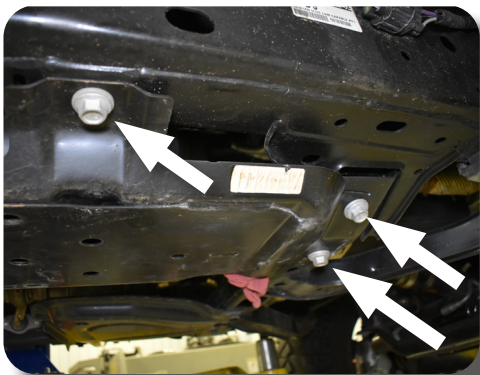


FIGURE 15



FIGURE 16

- Lower the fuel tank approximately 12 inches and disconnect the tank wiring plug and 2 evap. lines found on the top of the tank. **FIG. 17,18**



FIGURE 17



FIGURE 18

- Remove tank and set aside away from your work area.
- With the fuel tank removed you should now be able to remove the frame side control arm bolt. **FIG. 19**



FIGURE 19

- Size the new passenger side lower control arm to the factory control arm as seen in **FIG. 3**
- Once sized, install the new passenger side lower control arm, again noting proper orientation from **FIG. 5** in the previous section. Do not tighten if equipped with rubber bushings. Flex ends may be torqued with the vehicle on the lift, however the non-flex end must be torqued under load with the vehicle on the ground.
- For control arms equipped with rubber bushings, replace wheels and lower vehicle to the ground. Jounce vehicle to help settle control arms. Once settled the control arms can be torqued to spec with the vehicle at ride height on the ground. Torque control arm bolts to 159 ft-lbs.
- Tighten the adjuster jam nuts on the control arms. **FIG. 20**

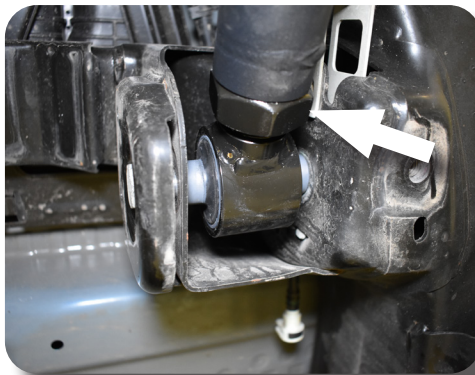


FIGURE 20

- If equipped, grease all grease zerks located in the flex ends of your new control arms.
- Grease flex ends at every service interval.
- Check hardware after 500 miles.

