



**2021-2022 Ford Bronco
1" Suspension Leveling Kit
506AOR
Installation Instructions**



INCLUDED HARDWARE:

Qty.	Description
2	Bronco Front Strut Spacers
6	M10 x 1.5mm Nylon-Insert Locknut
4	M12 x 1.75 x 75mm Partially Threaded Hex Head Screw
4	M12 x 1.75mm Nylon-Insert Locknut
4	M12 Washer
1	Instruction Sheet



PRE-INSTALLATION:

Professional installation by a certified technician is strongly recommended. Not responsible for altered products. No claims are made regarding any lifting devices. Any and all claims implied in this document excluded.

REQUIRED TOOLS:

- 8mm Socket
- 10mm Socket
- 15mm Wrench
- 17mm Wrench
- 18mm Socket
- 19mm Wrench & Socket
- 21mm Socket
- 35mm Socket
- Hammer / Press
- Torque Wrench
- Floor Jack
- Jack Stands

NOTES:

Does NOT fit Bronco Sport models.

INSTALLATION:

1. Jack up front of vehicle so that front wheels are off the ground. Support vehicle with jack stands and remove front wheels.
2. Remove tie rod nut using an 18mm socket (**Figure 1**).

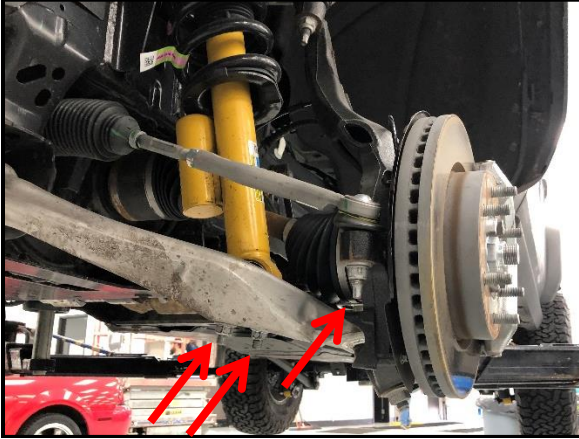


Figure 1

3. Remove sway bar nut using a 21mm socket (**Figure 2**).

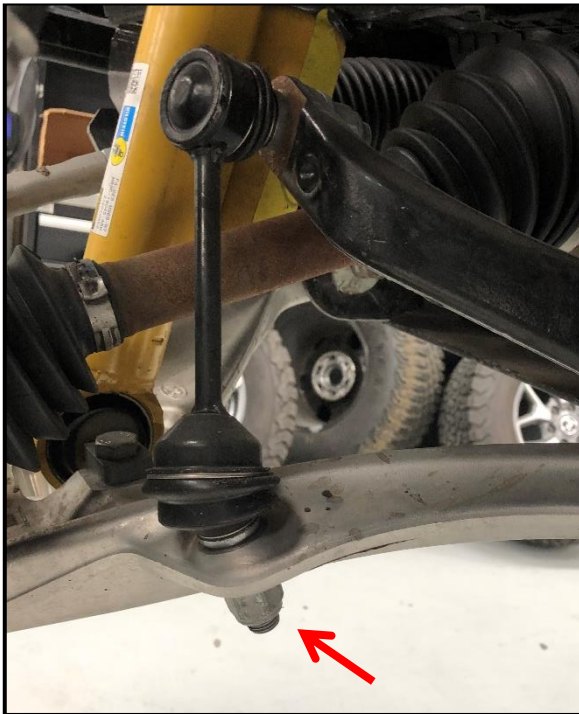


Figure 2

4. Remove abs wire (8mm socket) and brake line bracket (10mm socket) (**Figures 3 & 4**).



Figure 3

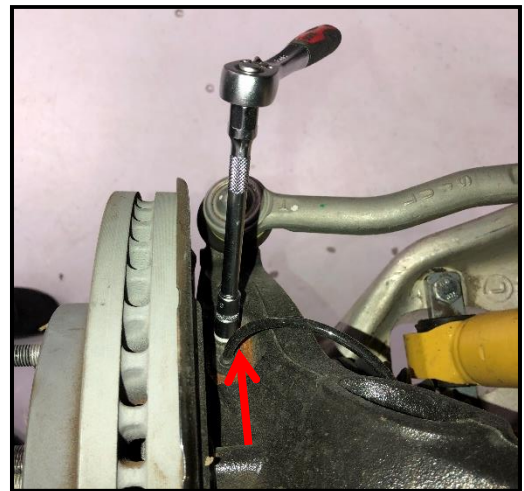


Figure 4

5. Remove (x2) lower strut nuts using an 18mm socket (**Figure 1**).
6. Remove (x3) upper strut nuts using a 15mm wrench (**Figure 5**).

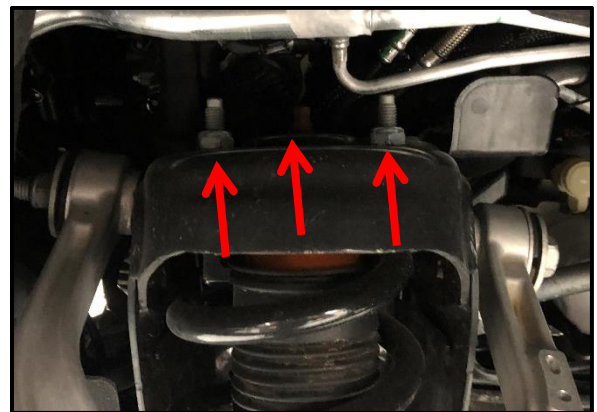


Figure 5

7. Remove the axle nut using a 35mm socket.
8. Support the lower control arm / knuckle with a jack stand and loosen upper ball joint nut using a 21mm socket (**Figure 6**).

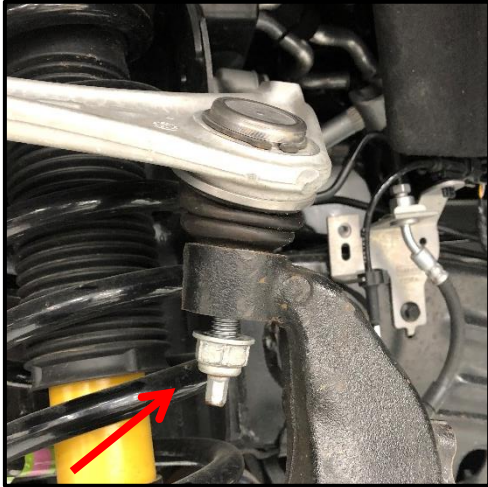


Figure 6

9. Hit the knuckle with hammer on the side to separate the ball joint from the knuckle, but don't let the knuckle pull out so far that the shaft pulls out of the differential (**Figure 7**).

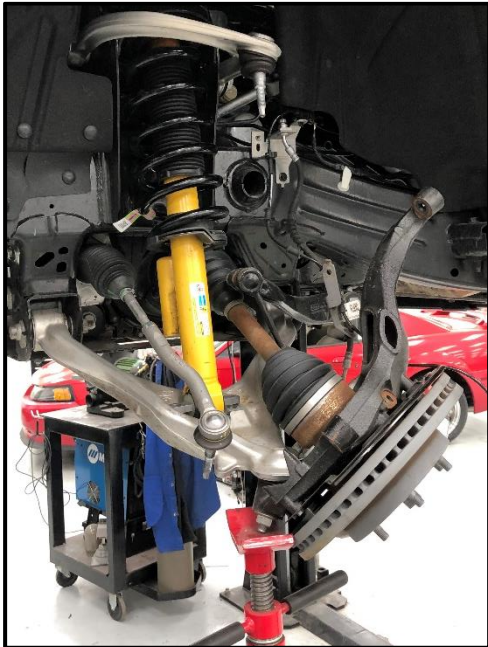


Figure 7

10. Remove strut from vehicle.

11. Remove lower strut studs from struts using a hammer with the strut supported in a vice or by using a press. Removal of the lower strut studs and using the provided hardware will aid in the reassembly of the vehicle (**Figure 8**).

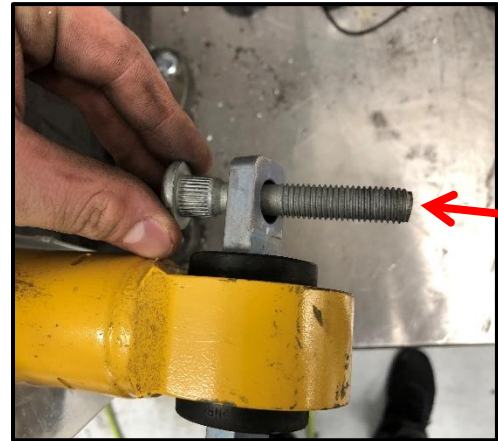


Figure 8

12. Place spacer on strut aligning the roll pin (if installed) with the cutout on the spacer (**Figure 9**).



Figure 9

13. Reinstall strut.
14. Using a 19mm socket and wrench, install lower strut bolts using the provided hardware and torque to 54 ft-lbs.
15. Loosely tighten upper strut nuts using provided M10 locknuts.
16. Install upper ball joint nut and torque to factory specs (32 ft-lbs).
17. Install axle nut and torque to factory specs (249 ft-lbs).
18. Reinstall sway bar nut and torque to factory specs (32 ft-lbs).

19. Reinstall tie rod nut and torque to factory specs (32 ft-lbs).
20. Reinstall abs wire and brake line and torque to factory specs (10 ft-lbs).
21. Tighten upper strut nuts and torque to 31 ft-lbs.
22. Repeat steps 2-21 on opposite side.
23. Reinstall front wheels.
24. Jack up vehicle and remove jack stands. Lower vehicle to floor and torque lug nuts to factory specs.

POST-INSTALLATION:

1. Check for proper torque on all fasteners. Check steering for proper working order and check for interference. Test brake system. Check clearance between all rotating, mobile, fixed, and hot parts.
2. Check distance between tire sidewall and the brake hose during full-turn to full-turn steering sweep. **Do not skip this step! Any contact may result in component failure.**
3. Adjust headlights to proper alignment.

MAINTENANCE: After 500 miles, re-torque all fasteners (recommended every 1000 miles thereafter). Have all suspension, driveline, and steering components inspected by a certified technician during routine maintenance (recommended every 3000 miles).

Technical Support: 1-866-464-6553

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