JAMMOTH
4x4 SUSPENSION PARTS

3.5” LIFT KIT

(2020-2023+ GLADIATOR JT)

INSTALLATION INSTRUCTIONS

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(1) Track Bar Tie Rod End
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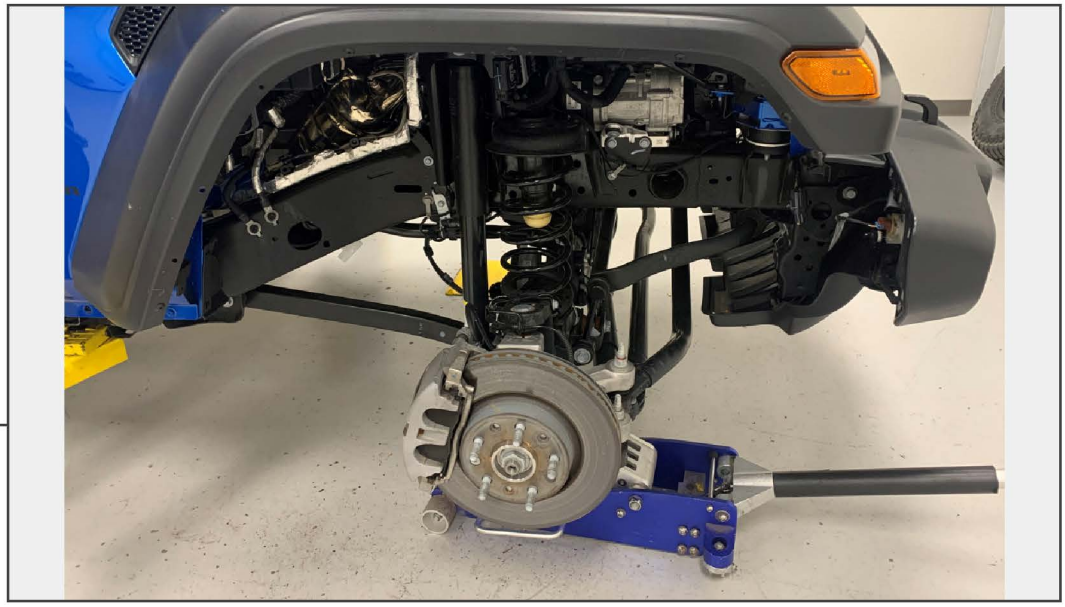
(2) M12x1.50 x 60mm Bolts
(6) M12x1.75 x 65mm Bolts
(8) M12 Flat Washers
(6) M12 Locking Flange Nuts
(2) M10x1.50 x 60mm Tapered Bolts
(2) M10 Flange Nuts

TOOLS REQUIRED

10mm, 14mm, 15mm, 18mm,
21mm Sockets/Wrenches
Ratchet
Torque Wrench
Pry Bar
Spray Lubricant
Floor Jack
Jack Stands

SKU # JG30920

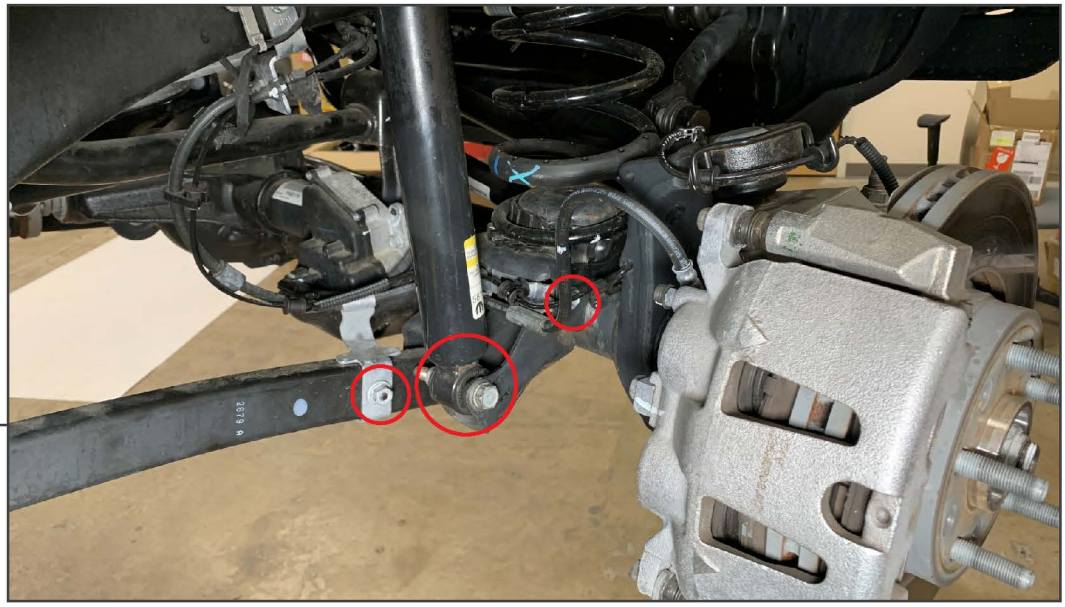
STEP 1 [FRONT]



Lift and support the front of the vehicle using a jack and jack stands. Remove the front wheels from the vehicle. Place the floor jack under the lower control arm mount on the axle to relieve suspension tension.

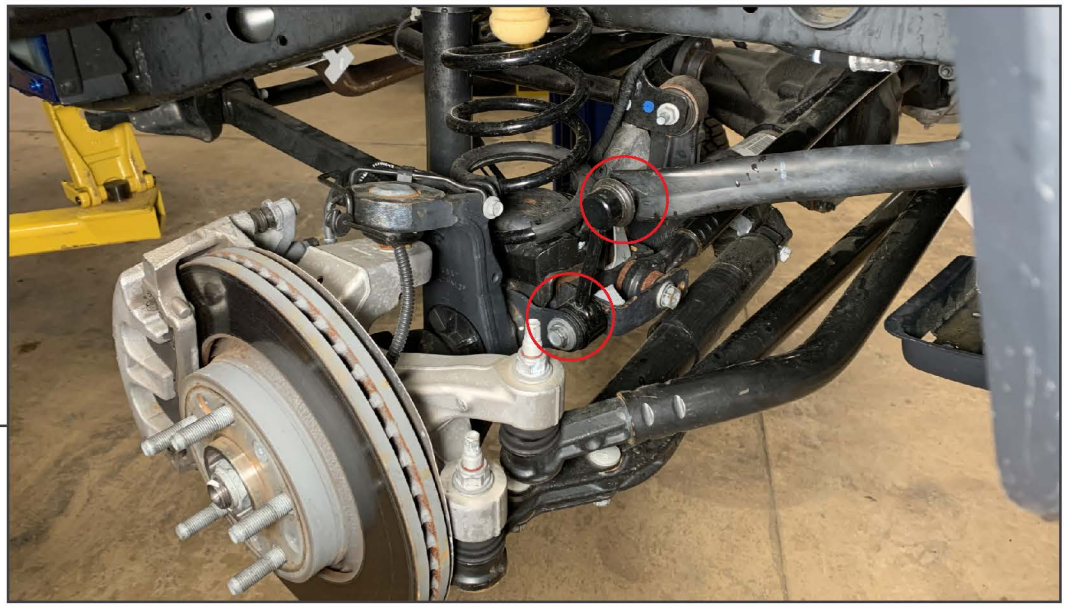
STEP 2

Remove (1) 10mm bolt from the brake line mounting bracket. Allow bracket to hang away from the vehicle frame.



STEP 3

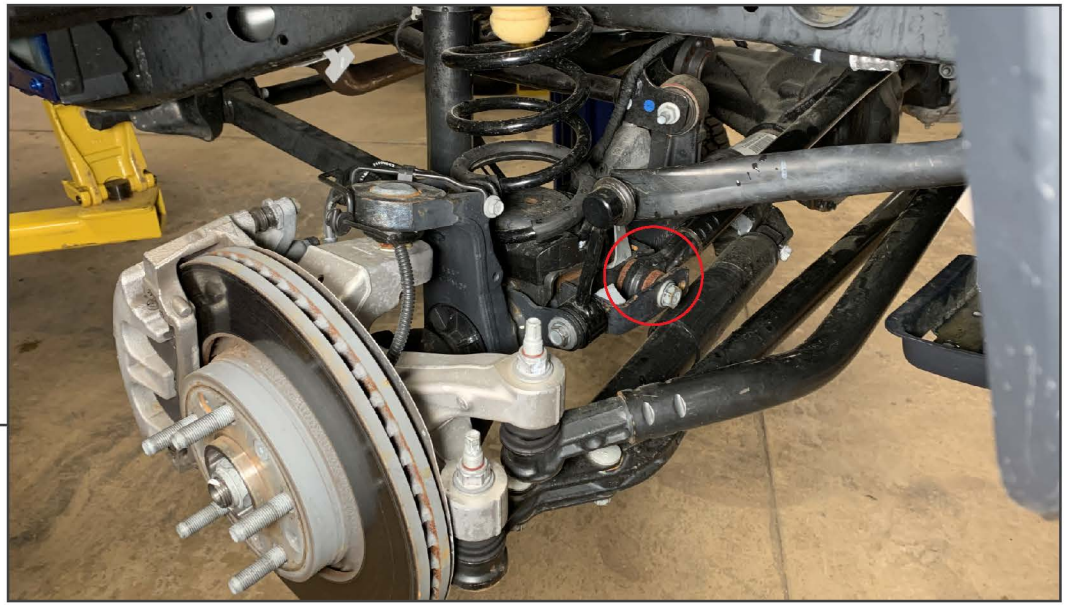
Remove the 18mm lower shock mounting bolt from the axle. Remove (1) 10mm bolt from the brake line bracket under the spring perch. Remove (1) 15mm nut from the brake line bracket attached to the lower control arm.



STEP 4

Remove (1) 18mm nut securing the sway bar link to the sway bar. Then, remove the 18mm bolt securing the sway bar link to the axle.

STEP 5

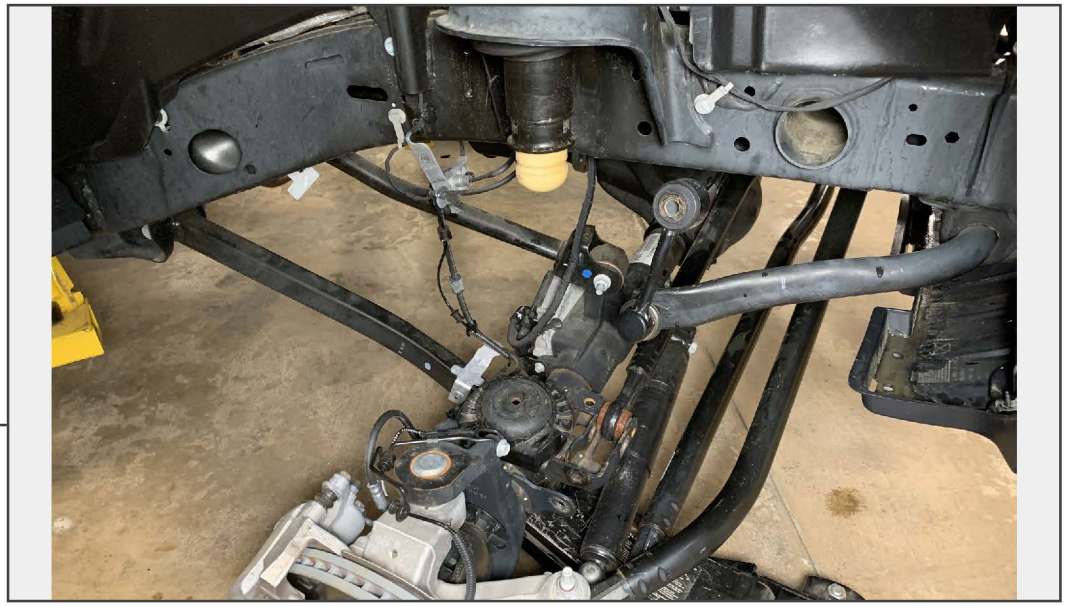


Remove the 21mm bolt securing the track bar to the axle.

STEP 6

Remove (1) 18mm bolt from the top of the shock absorber. Remove the shock absorber from the vehicle.

STEP 7



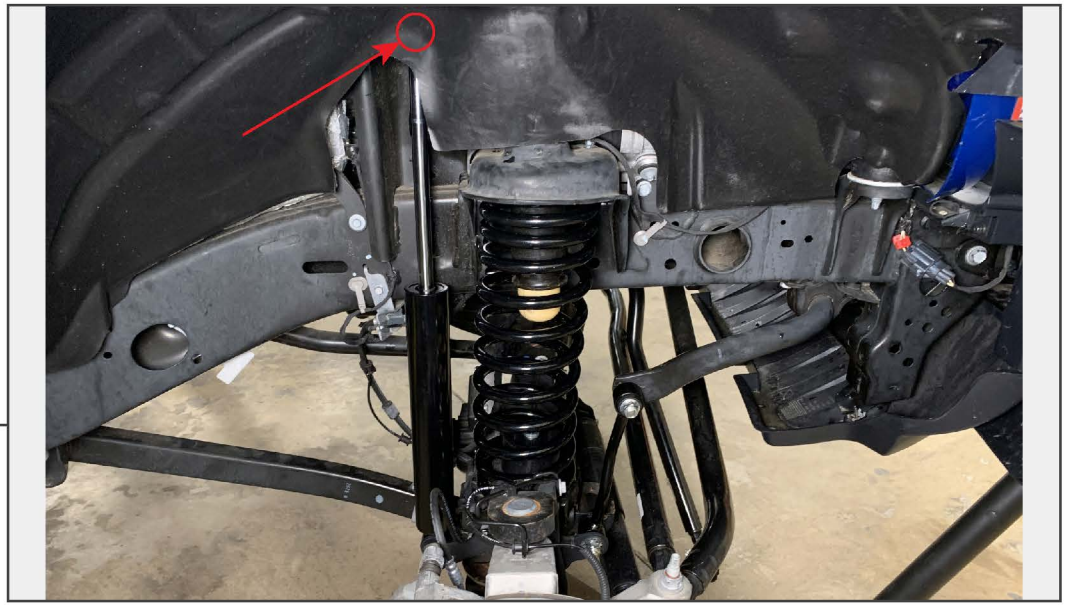
Lower the floor jack to relieve tension from the coil spring. Once the spring is relieved of all tension, lift and remove the spring from the vehicle.

STEP 8

Locate the pre-drilled hole in the axle spring perch. Secure the (1) bump stop extension to the vehicle axle using (1) M10 x 60mm Tapered bolt and (1) M10 flange nut. Tighten until secure.

Note: To allow for additional room during coil spring installation, fit the bump stop extension inside the coil spring using a zip tie. Then, with the coil spring is installed, cut the zip tie and secure the bump stop extension to the axle.

STEP 9



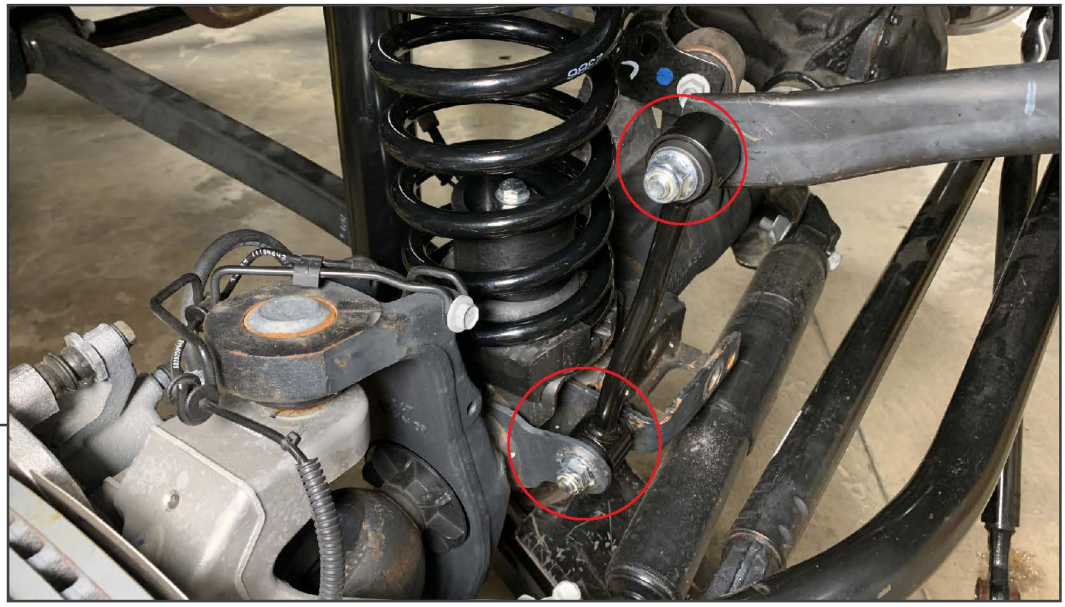
Ensure the coil spring rubber isolators are still installed to the vehicle frame and axle. Then, fit the coil spring into the vehicle, ensuring the spring is properly turned to fit into the lower isolator groove.

Fit the new shock absorber into the vehicle frame using the original (1) 18mm bolt.

STEP 10

Install the new front shock absorber into the axle using the original (1) 18mm bolt. Install the brake line bracket under the spring perch into place using the original (1) 10mm bolt. Install the brake line bracket attached to the lower control arm using the original (1) 15mm nut.

STEP 11



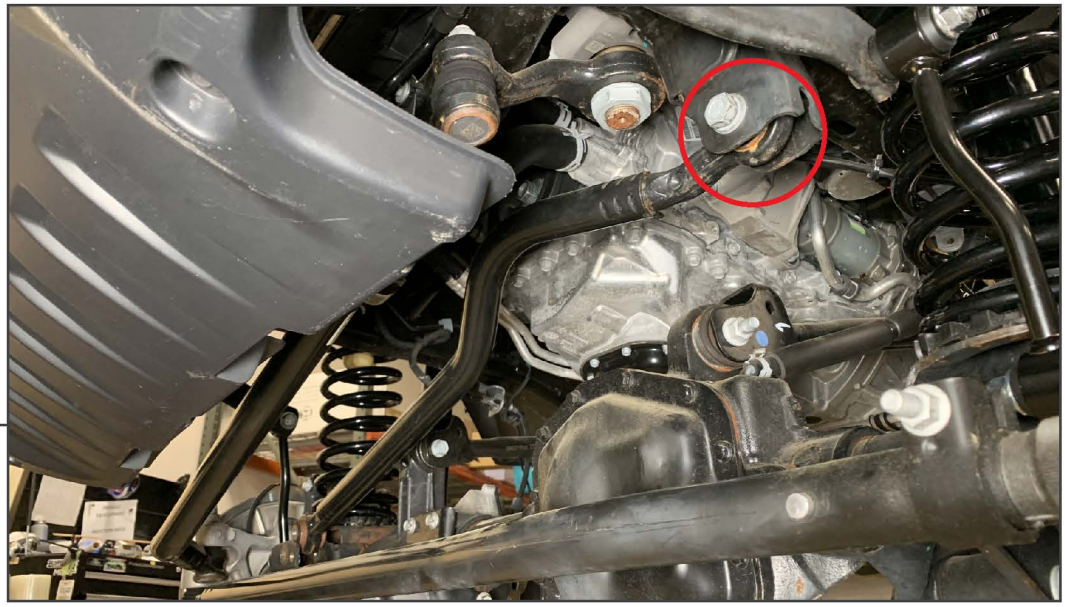
Secure the (1) front sway bar link to the vehicle sway bar and axle using (2) M12x1.75 x 65mm bolts, (2) M12 flat washers, and (2) M12 locking flange nuts.

Note: Ensure the head of the bolts are facing the vehicle frame to prevent interference during suspension travel.

STEP 12

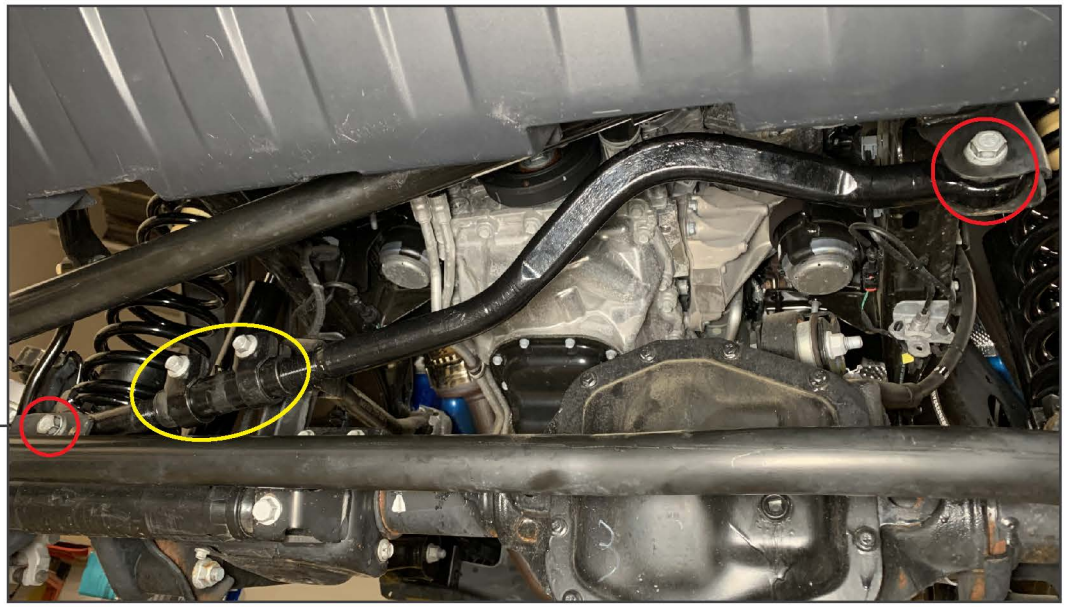
Secure the brake line bracket to the vehicle frame using the original (1) 10mm bolt.

STEP 13



Remove the vehicle track bar from the frame by removing (1) 21mm bolt & nut.

STEP 14 [ADJUSTABLE TRACK BAR]

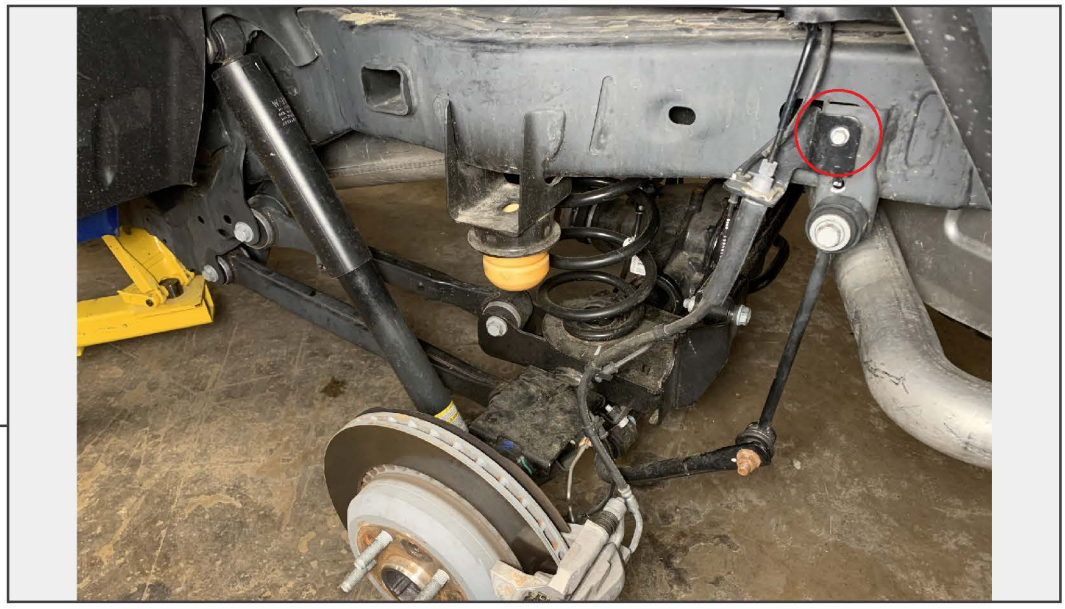


Fit the track bar tie rod end into the included track bar. Ensure the tie rod adjustment sleeve is threaded significantly into each end to ensure proper engagement. Then, fit the track bar assembly to the vehicle, and secure each end using the original (2) 21mm bolts & nuts.
To align: Place the vehicle on the ground with the wheels installed. Measure the distance from the outer edge of the tire to the outer edge of the fender flare. This measurement must be the same on both sides. Adjust the track bar sleeve until each side is the same measurement. Then, tighten the sleeve clamps to lock the adjustment.

STEP 15 [REAR]

Lift and support the rear of the vehicle using a jack and jack stands. Remove the rear wheels from the vehicle. Place the floor jack under the differential to relieve suspension tension.

STEP 16



Remove the brake line bracket from the vehicle frame by removing (1) 10mm bolt.

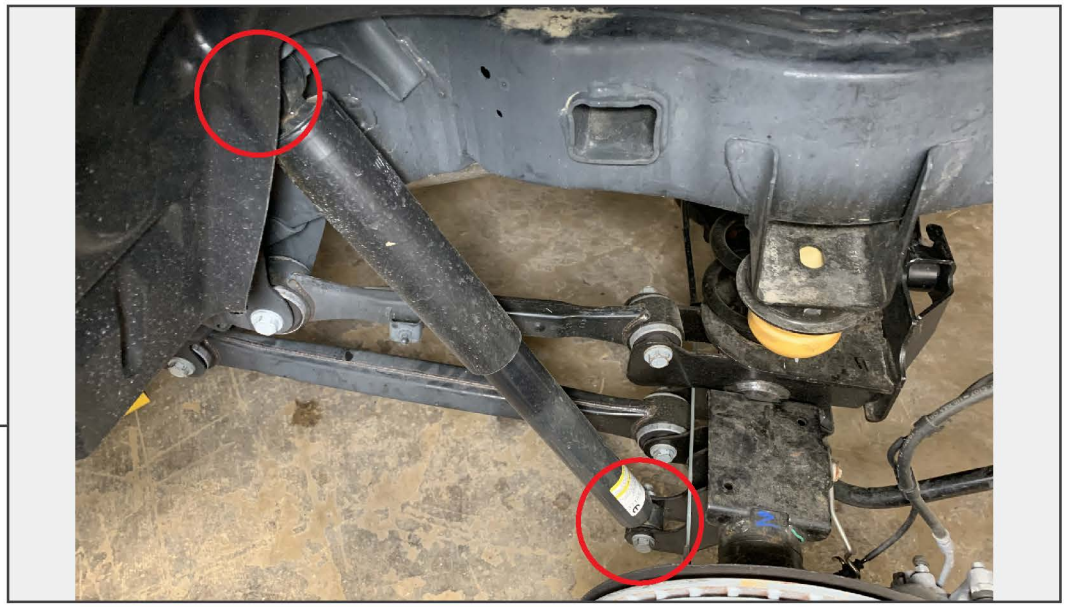
Repeat this step for the opposite side of the vehicle.

STEP 17

Remove the (1) 18mm bolt and (1) 18mm nut to remove the sway bar link from the vehicle.

Repeat this step for the opposite side of the vehicle.

STEP 18



Remove (2) 21mm nuts & bolts to remove the rear shock absorber from the vehicle.

Repeat this step for the opposite side of the vehicle.

STEP 19

Remove (1) 21mm bolt from the rear track bar.

Lower the floor jack to relieve tension from the vehicle coil springs. Remove the coil springs from the vehicle.

STEP 20

Ensure the upper coil spring rubber isolator is still installed to the vehicle frame. Then, fit the coil spring into the vehicle.

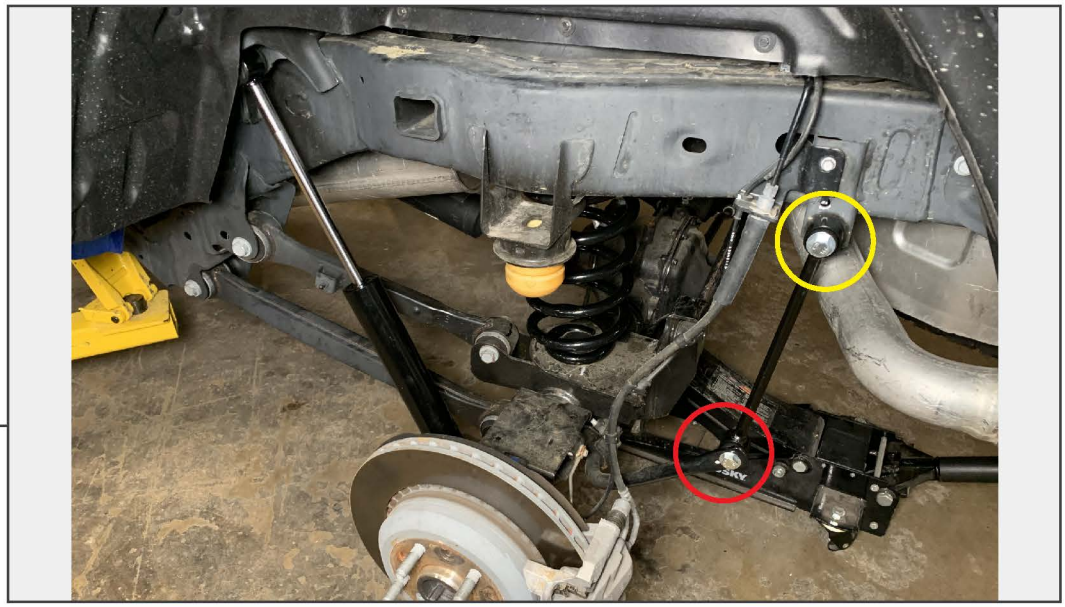
Repeat this step for the opposite side of the vehicle.

STEP 21

Install the new rear shock absorber to the vehicle using the original (2) 21mm bolts & nuts.

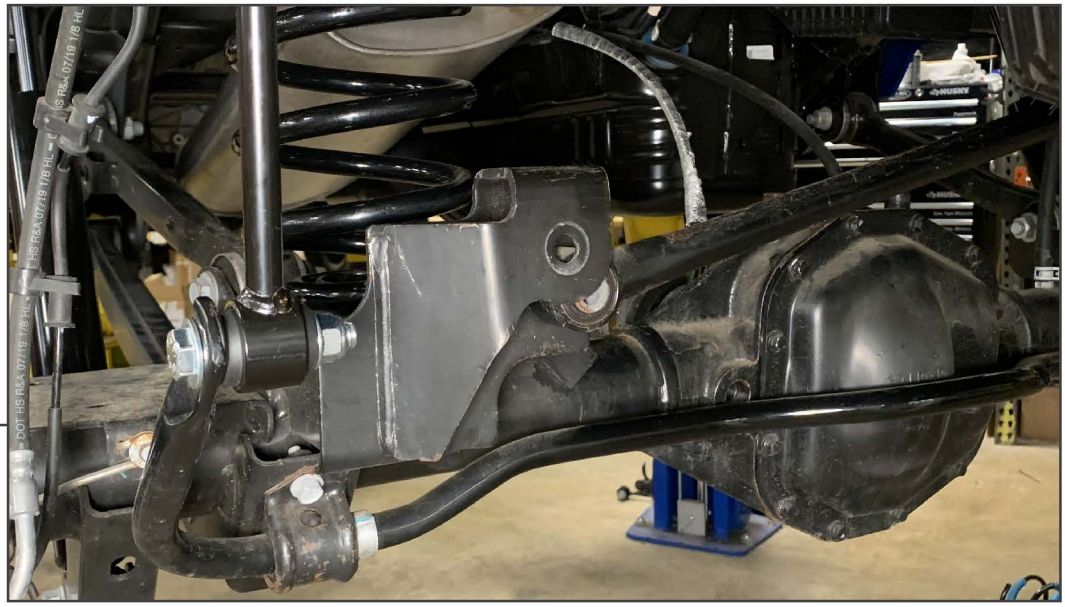
Repeat this step for the opposite side of the vehicle.

STEP 22



Secure the rear sway bar link to the vehicle frame using (1) M12x1.50 x 60mm bolt [fine thread] and (1) M12 flat washer. Secure the rear sway bar link to the vehicle sway bar using (1) M12x1.75 x 65mm bolt, (1) M12 flat washer, and (1) M12 locking flange nut.

Repeat this step for the opposite side of the vehicle.



STEP 23

Lower the vehicle to the ground with the wheels installed. With assistance, gently push the vehicle body to allow the track bar to properly align with the axle. Then, secure the track bar to the axle using the original (1) 21mm bolt & nut.

STEP 24

See the following page for torque specifications.

Installation is now complete.

Torque Specifications and Installation Notes

Upper & Lower Front Sway Bar Link Bolt: 70 ft. lbs.
Front Upper Shock Absorber Bolt: 103 ft. lbs.
Front Lower Shock Absorber Bolt: 77 ft. lbs.
Front Track Bar Bolt (AXLE): 52 Plus 155° ft. lbs.
Front Track Bar Bolt (FRAME): 52 Plus 155° ft. lbs.
Rear Track Bar Bolt (AXLE): 100 ft. lbs.
Rear Upper Shock Absorber Bolt: 89 ft. lbs.
Rear Lower Shock Absorber Bolt: 89 ft. lbs.
Rear Upper Sway Bar Link Bolt: 81 ft. lbs.
Rear Lower Sway Bar Link Bolt: 70 ft. lbs.

Prior to Driving
- Double check all bolts are tightened.
- Professional Steering Alignment.
- Headlight Adjustment.
- Ensure brake line slack when sway bars are disconnected.
- Ensure OE front driveshaft clearance with sway bars disconnected.

Maintenance
- First 200 miles, re-torque all fasteners.
- Every 3000 miles, re-torque all fasteners & visually inspect suspension bushings for premature wear.

Special Consideration:
With any change to the factory suspension geometry there will be increased wear and tear, things such as suspension bushings etc. Ensure vehicle safety by frequently inspecting wear and tear components.