MAMMOTH
4x4 SUSPENSION PARTS

2” LIFT KIT WITH SHOCKS

(2018+ WRANGLER JL)

INSTALLATION INSTRUCTIONS

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(2) Front Shocks
(2) Front Springs
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(2) Rear Springs
(2) Front Sway Bar End Links (Short)
(2) Rear Sway Bar End Links (Long)
(2) Lower Control Arms
(2) Front Bump Stop Blocks
(2) Rear Bump Stop Extensions
(4) M8x1.25 30mm Flange Bolts
(6) M8x1.25 Flanged Nuts
(4) M12x1.25 70mm Hex Bolts
(8) M12 Flat Washers
(4) M12 Nylon Lock Nuts

TOOLS REQUIRED

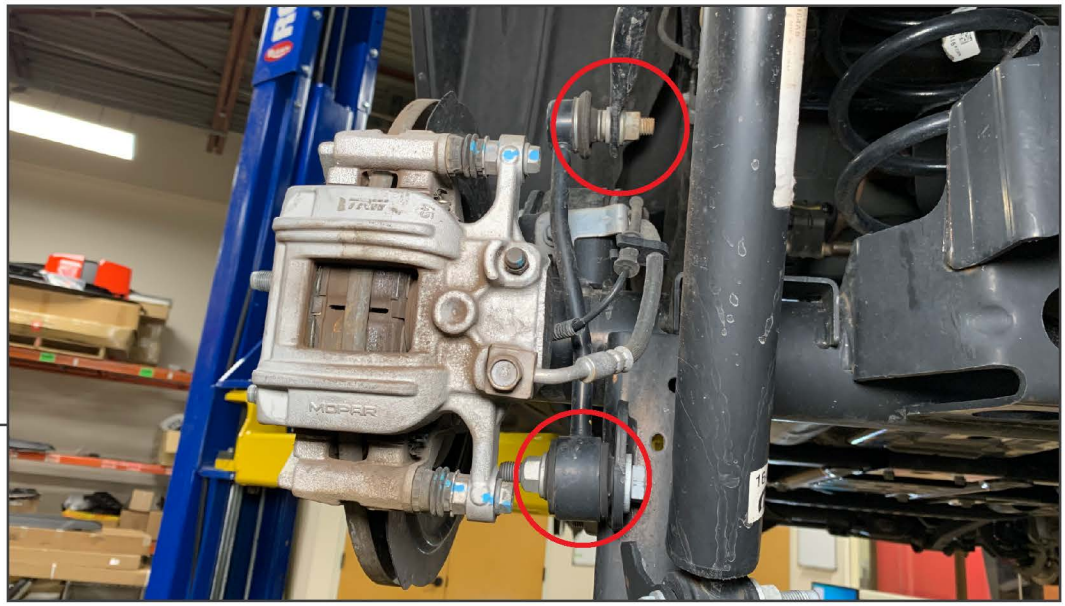
Jack and Jack Stands
8, 13, 18, 19, 21, 22, 24mm Sockets/Wrenches
6mm Allen Wrench
Ratchet
Pry Bar
Hammer
Soft Pry Tool/Panel Removal Tool

SKU # J257260

Rear Install
STEP 1

Raise and support the rear for the vehicle using a jack and jack stands. Using a lug wrench, remove the lug nuts. Remove the wheels from the vehicle and store them out of the way.

STEP 2

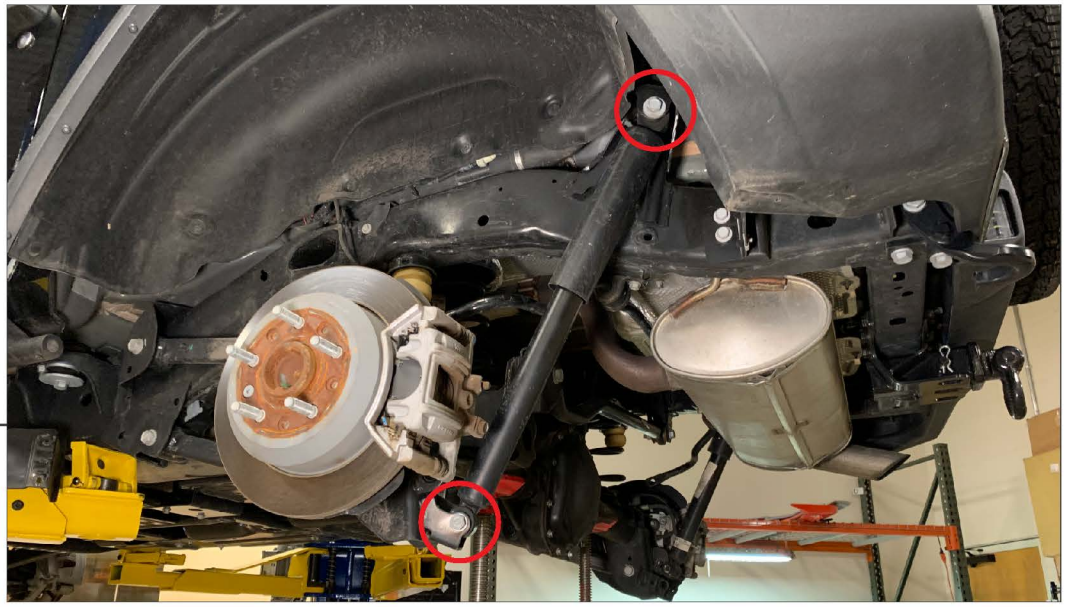


With the vehicle supported on jack stands. Use the jack to support the rear axle housing. Use a 18mm wrench and socket to remove the sway bar end links. **Note if the endlink spins in the socket, use a pry to apply pressure downward on the link while trying to remove the nut. Otherwise you will need to use a 6mm Allen key and wrench to remove the upper nut.

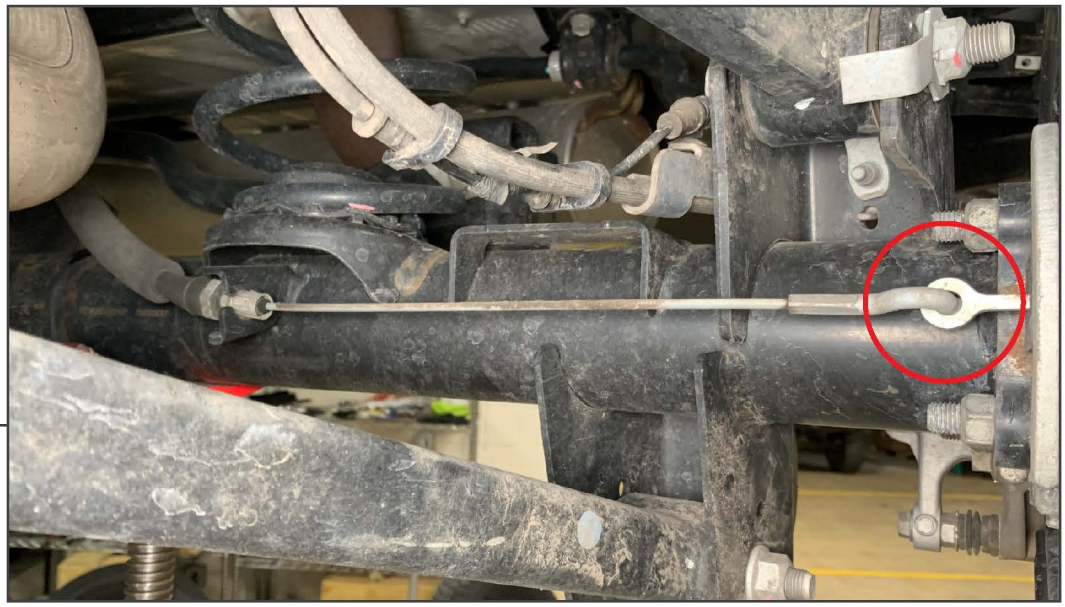
STEP 3

Using a 8mm socket, remove the (3) bolts securing the bottom portion of the fender liner to the vehicle. This will allow access to the upper shock bolt.

STEP 4

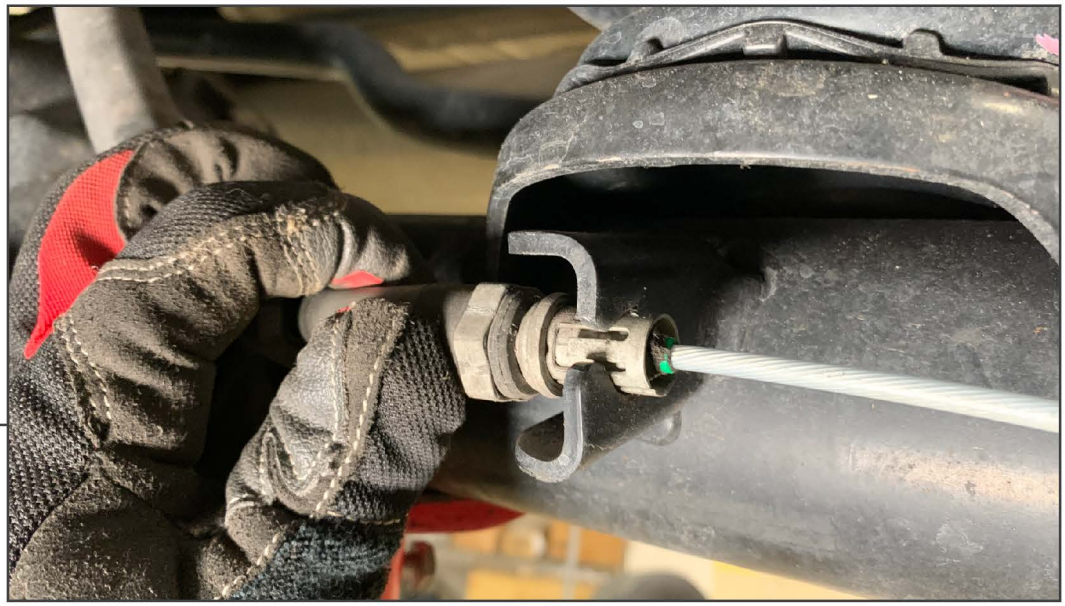


Using a 18mm socket to remove the upper shock bolt. Then, use a 18mm wrench and socket to remove the lower bolt. Hold the shock while removing the mounting hardware so that it doesn't fall off the vehicle.



STEP 5

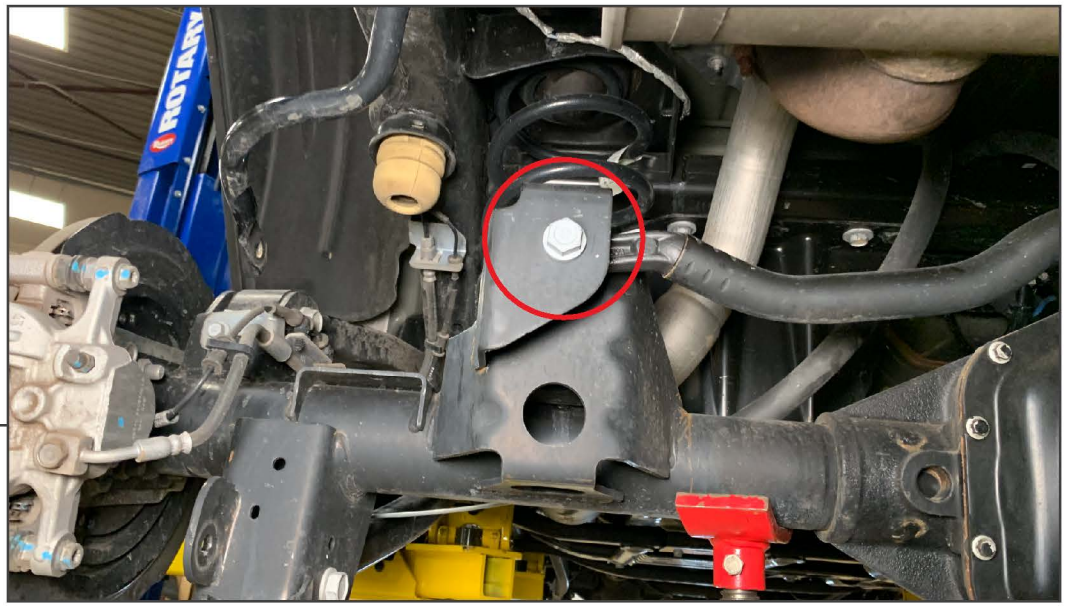
Ensure the brake is not applied prior to removing the cable. On the front of the axle tube, locate and disconnect the emergency brake cable. Use a pair of pliers to carefully twist the cable end off of the brake mechanism.



STEP 6

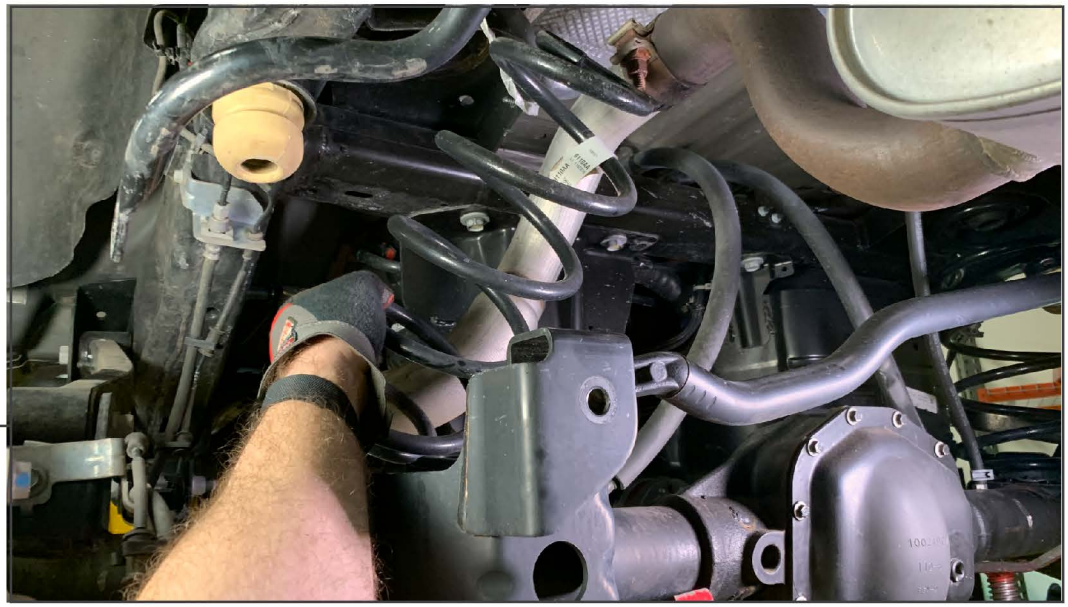
Using pliers, depress the metal tabs securing the cable to the axle housing. This will allow for axle movement when removing the factory springs. Repeat Steps 2-6 on both sides of the rear axle.

STEP 7

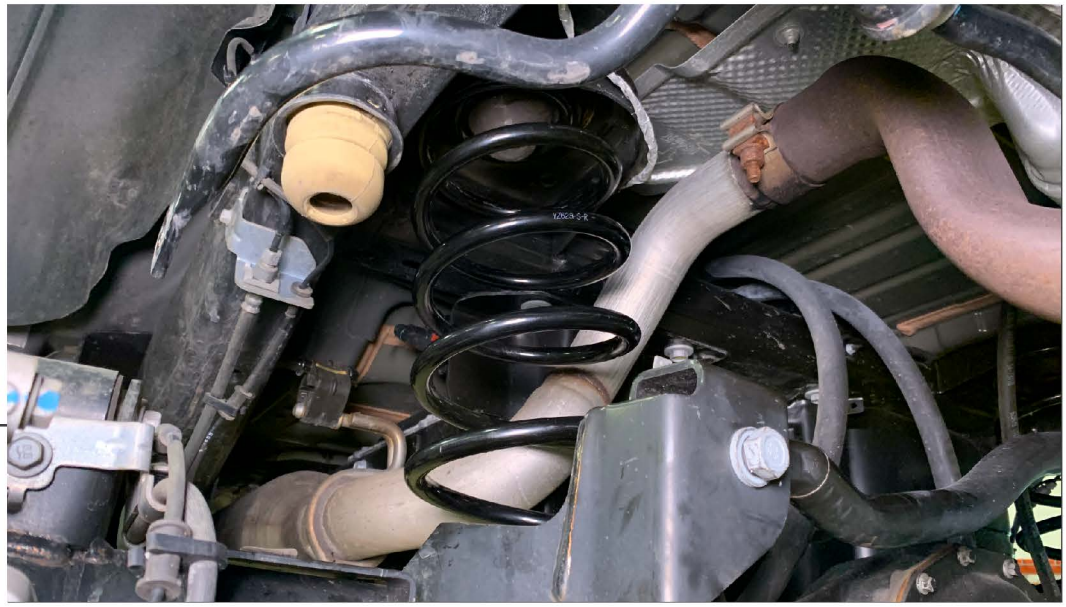


Using a 21mm socket, remove the axle side track bar bolt.

STEP 8

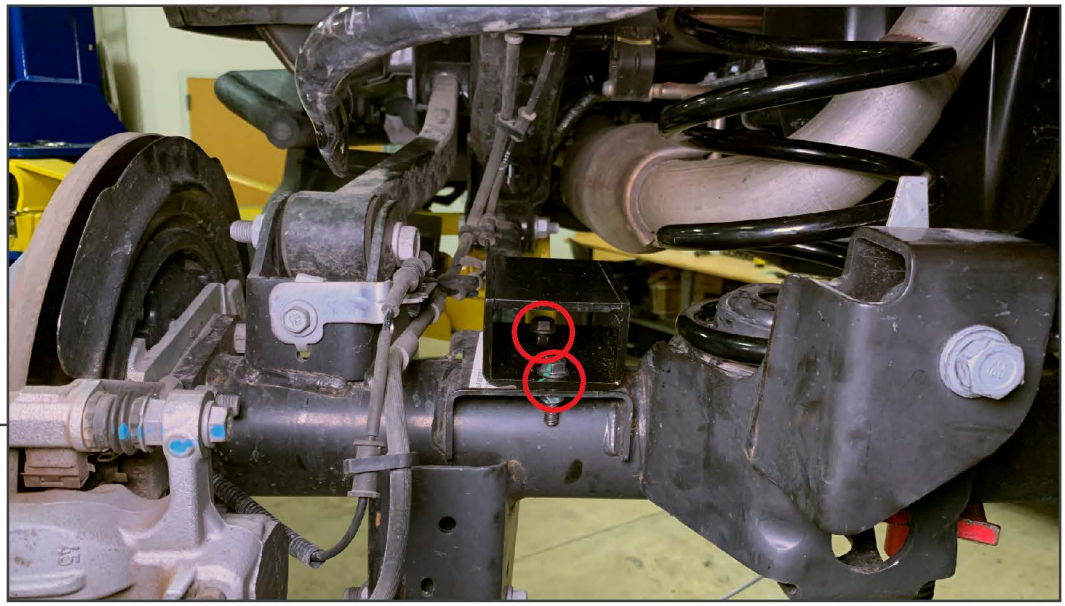


Slowly lower the rear axle and remove the factory lowering springs from both sides.



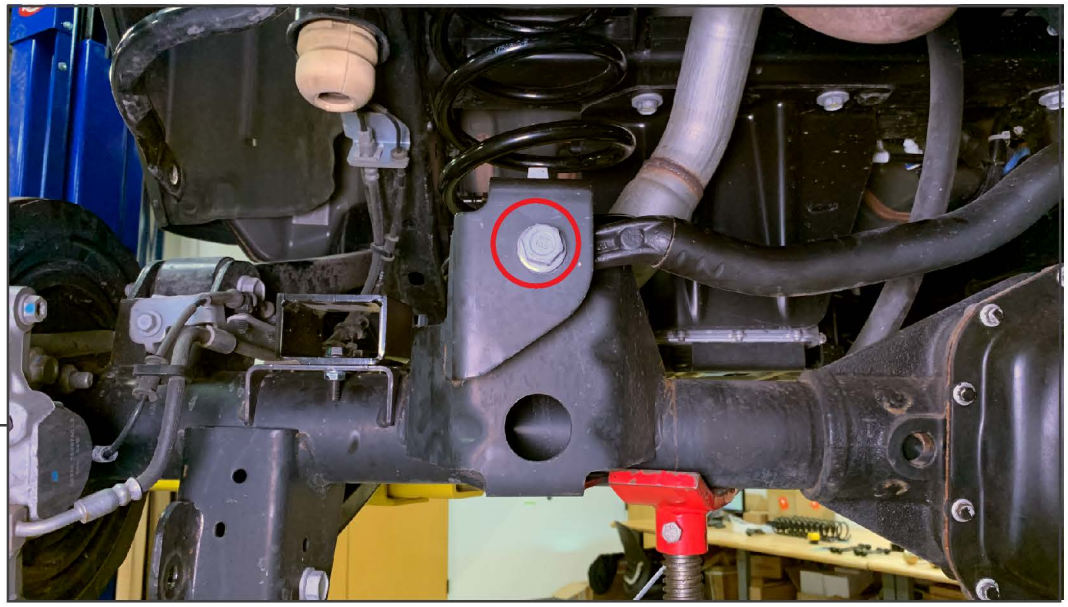
STEP 9

Install the rears springs. Reuse the factory upper and lower spring isolators. Carefully raise the rear axle.



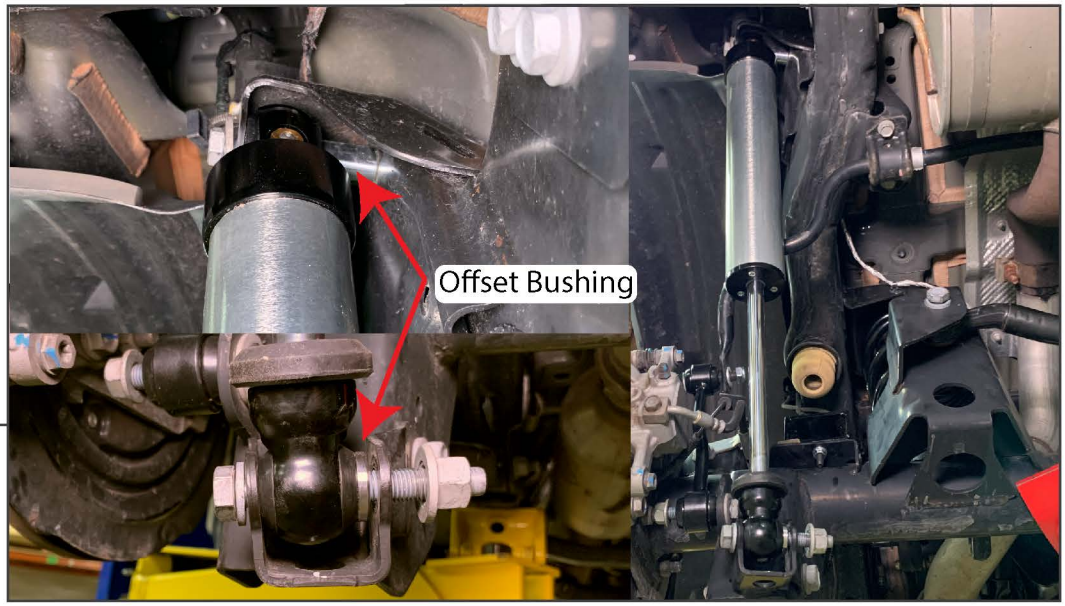
STEP 10

Install the rectangular bump stop extensions using the (2) provided M8x1.25 30mm flange bolts and flange nuts. Repeat this process on both sides of the rear axle. Torque to 20ft. lbs.



STEP 11

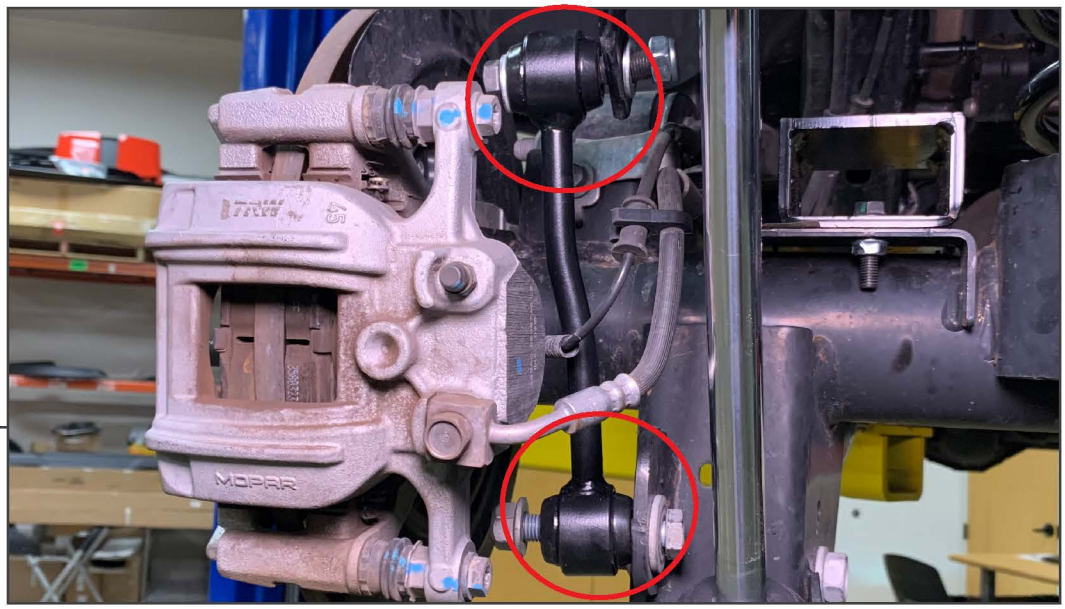
Loosely reinstall the factory track bar bolt. Do not fully tighten it at this time.



STEP 12

Using the factory hardware, loosely install the rear shock so that the offset bushing on both the top and the bottom of the shock are facing the inside of the vehicle.

STEP 13



Loosely Install the longer of the provided end links. Use the provided M12x1.25 70mm bolts, (2) washers, and (1) Lock nut per side for the upper mount. Reuse the factory hardware for the lower mounts. Repeat this process on both sides of the axle.

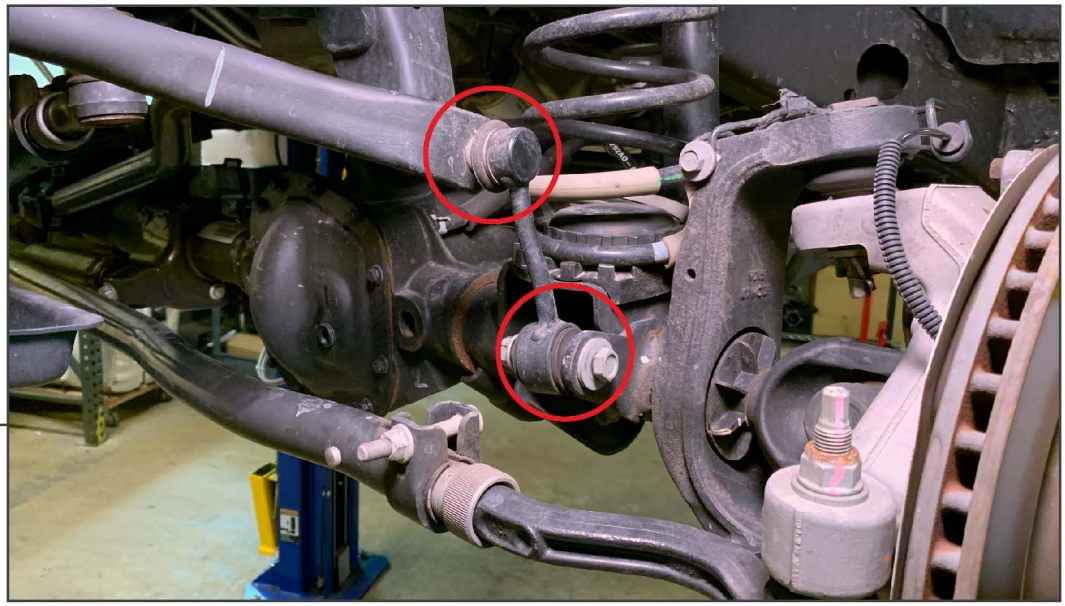
STEP 14

Follow Steps 1-6 in reverse order. Reinstall the rear wheels(torque to 150 ft.lbs.) and lower the vehicle off the jack stands onto the ground. Ensure the suspension is supporting the weight of the and then torque all of the mounting hardware as follows.

Track Bar to Axle-	90Ft.Lbs.	Endlink to Axle-	60Ft.Lbs.
Shock to Axle-	75Ft.Lbs.	Endlink to Frame-	50Ft.Lbs.
Shock to Frame-	80Ft.Lbs.	Bump Stop-	20Ft.Lbs.

Front Install
STEP 15

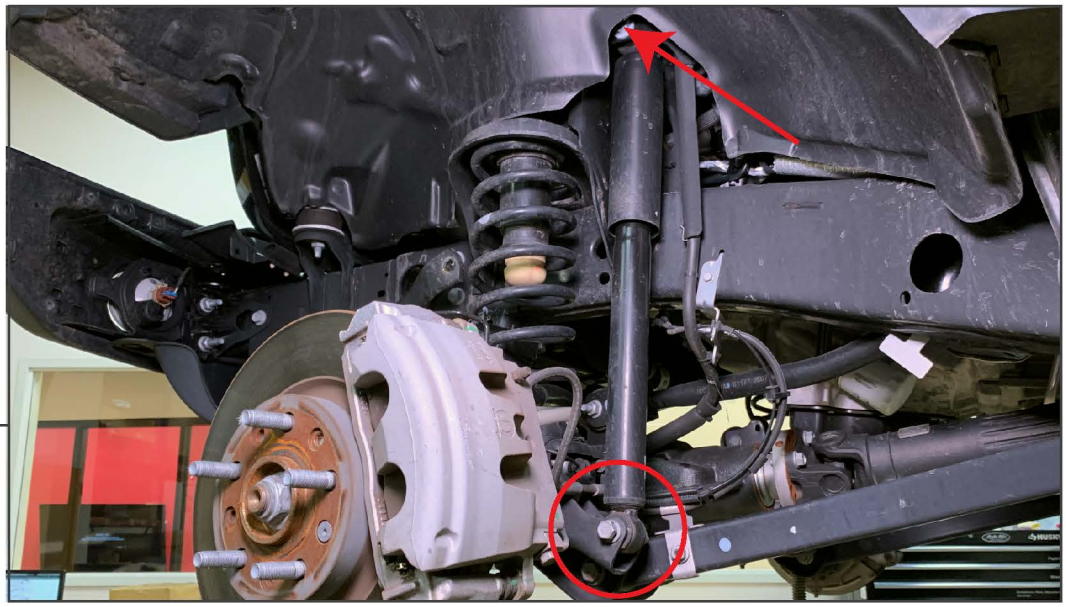
Raise and support the front for the vehicle using a jack and jack stands. Using a lug wrench, remove the lug nuts. Remove the wheels from the vehicle and store them out of the way.



STEP 16

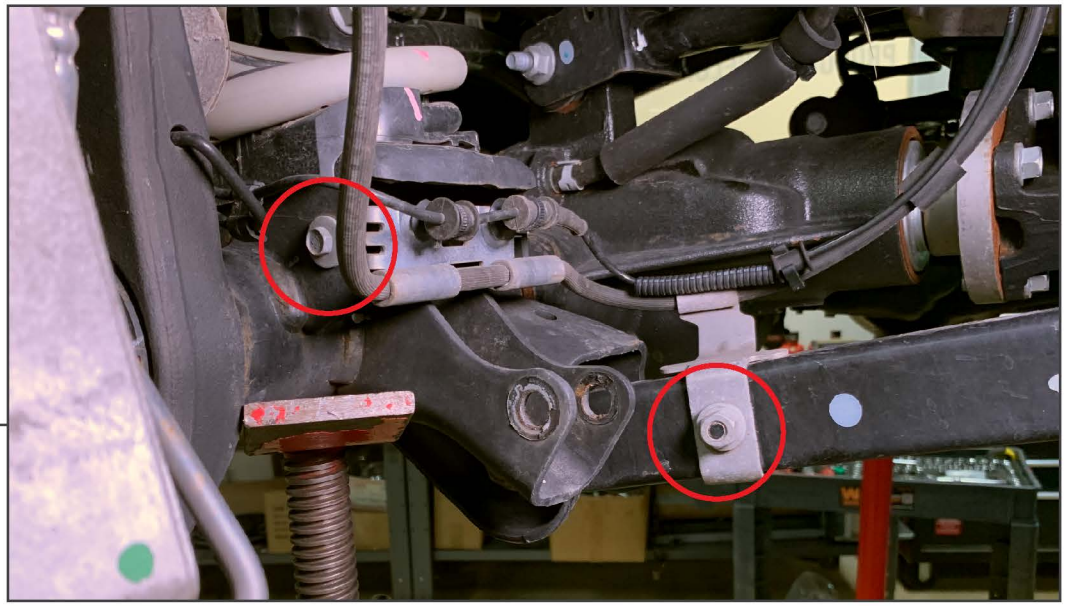
With the vehicle supported on jack stands. Use the jack to support the front axle housing. Use a 18mm wrench and socket to remove the sway bar end links. **Note if the endlink spins in the socket, use a pry to apply pressure downward on the link while trying to remove the nut. Otherwise you will need to use a 6mm Allen key and wrench to remove the upper nut.

STEP 17



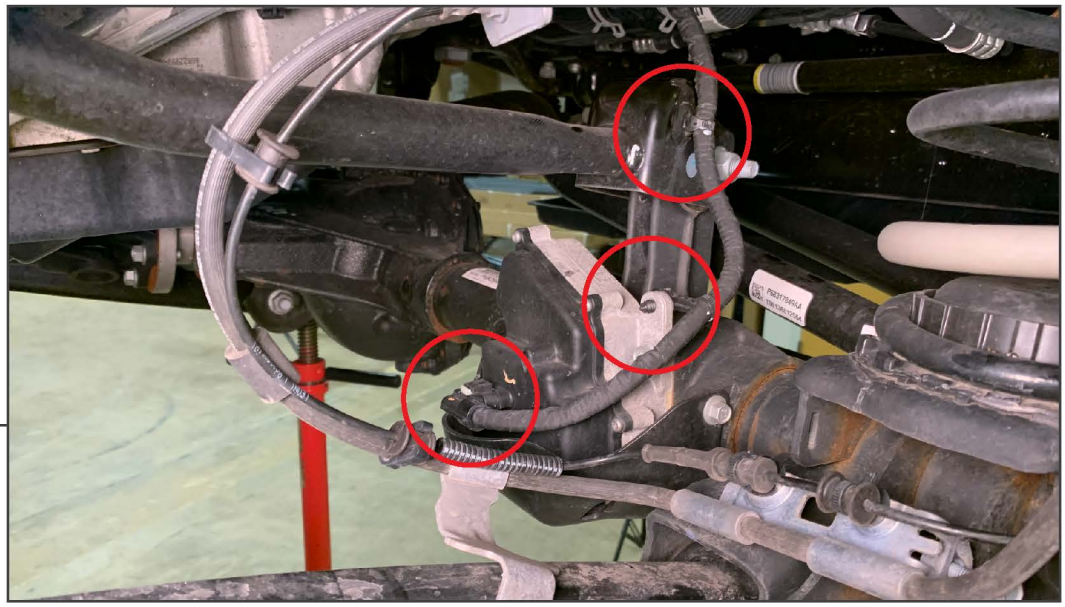
Using a 18mm socket to remove the upper shock bolt. Then, use a 18mm wrench and socket to remove the lower bolt. Hold the shock while removing the mounting hardware so that it doesn't fall off the vehicle.

STEP 18



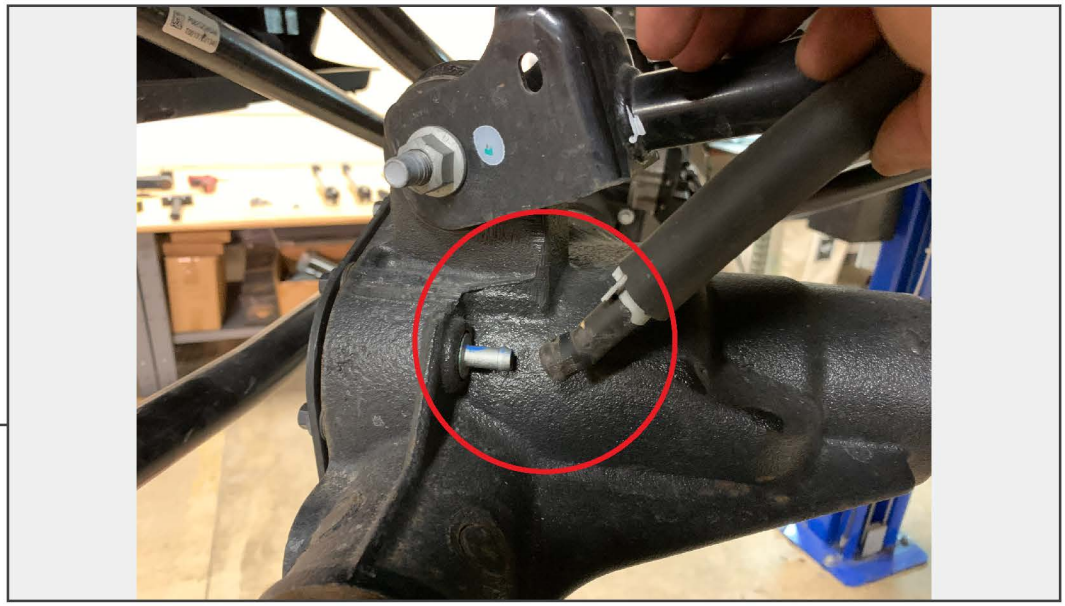
Using a 10mm socket, remove the bolt securing the brake line and abs wire to the axle. Then use a 13mm socket to remove the wiring harness bracket from the lower control arm. Repeat this step on both sides of the axle.

STEP 19

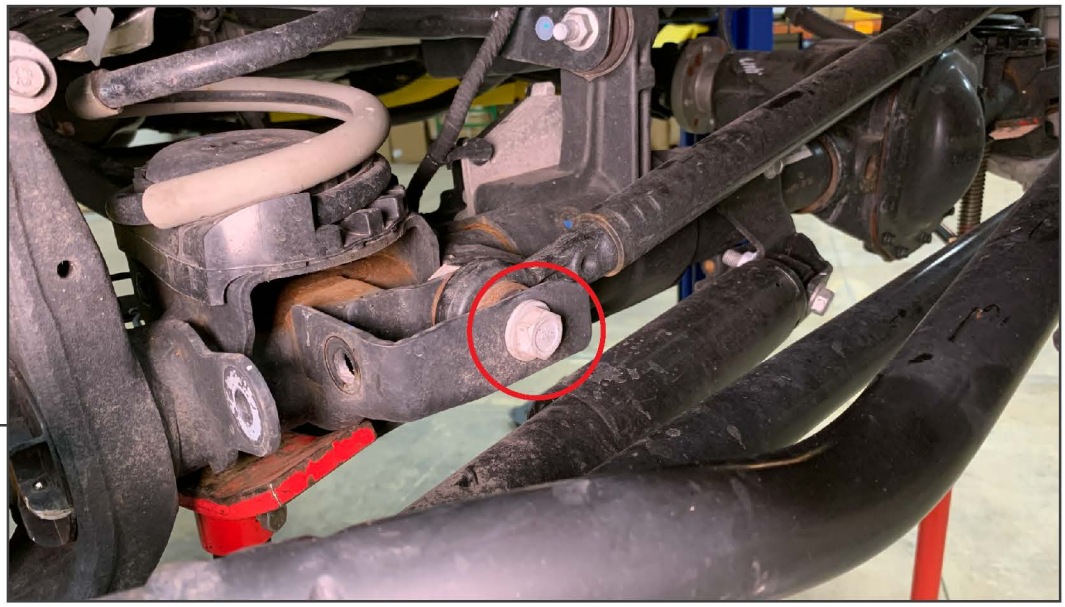


On the passenger side of the axle, disconnect the wiring and plug from the axle housing.

STEP 20

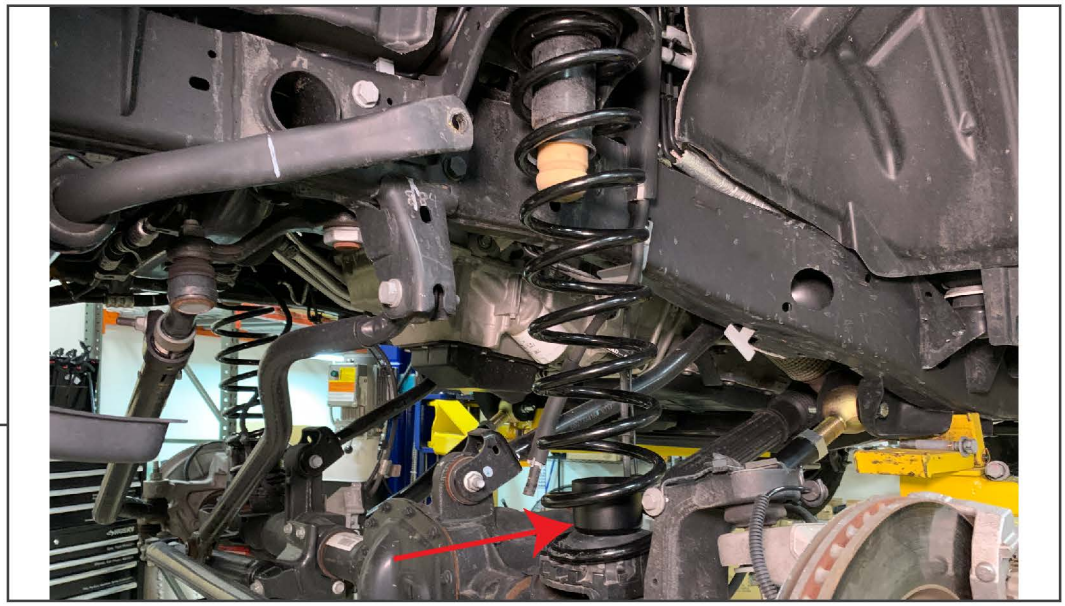


On the driver side of the axle, use a of pliers to remove the axle vent tube from the differential.



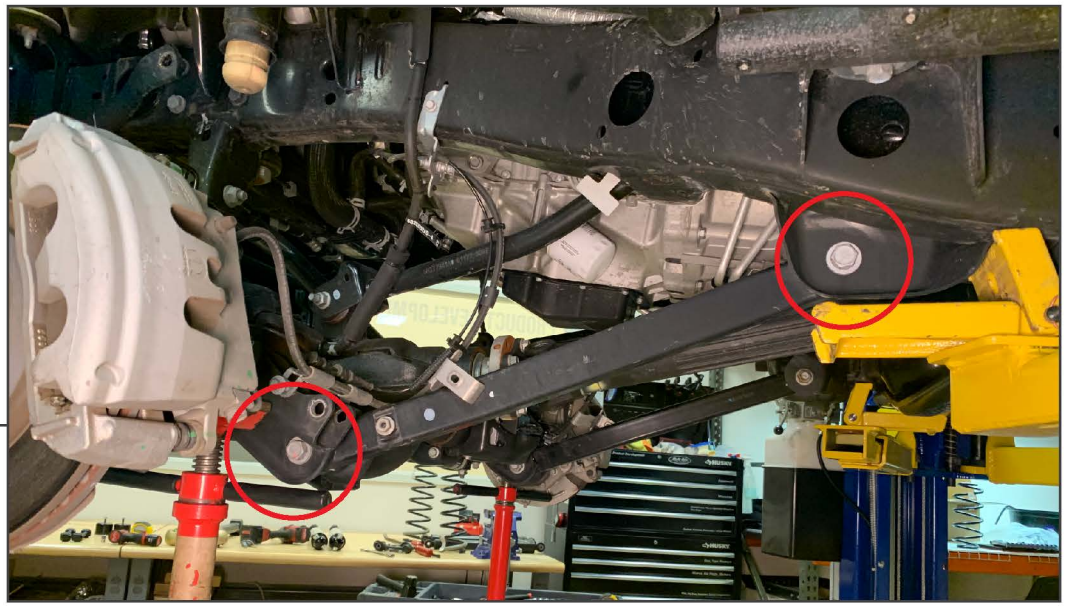
STEP 21

Using a 21mm socket, remove the bolt securing the trackbar to the axle.



STEP 22

Carefully lower the axle and remove the factory springs. Place the bump stop extension inside the new springs. Reuse the factory spring isolators top and bottom. **Note the bump stop extension must be inside the spring when the spring is installed. Then carefully pull down the axle and install the springs. Secure the bump stop extension using the provided M8 Flanged nut. Repeat this process on both sides. Torque to 20ft. lbs.



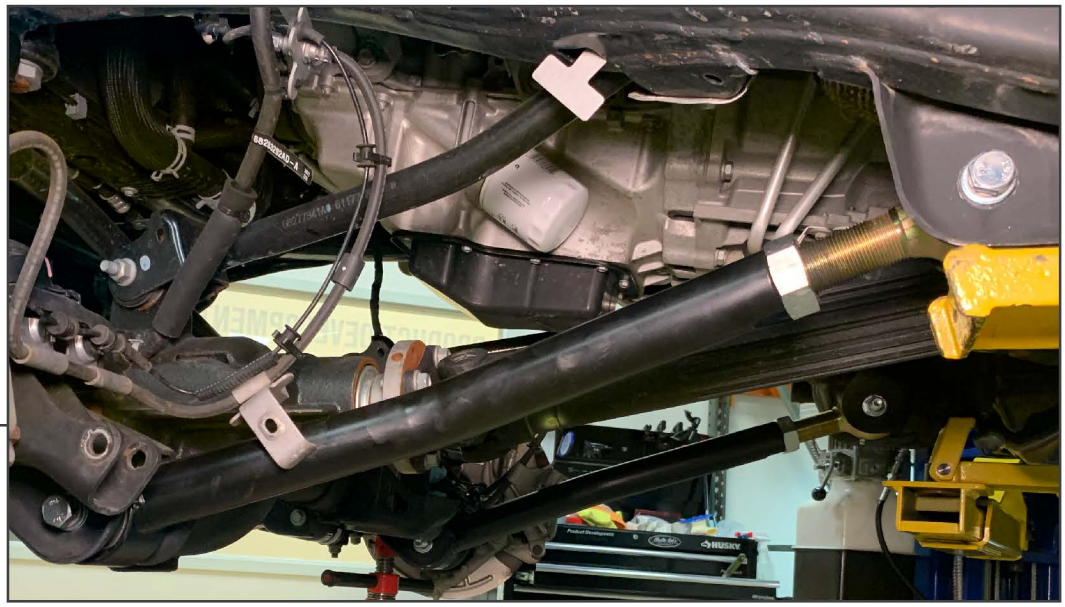
STEP 23

Using a 21mm wrench and 24mm socket, loosen and remove bolts securing the lower control arms to the vehicle.

STEP 24

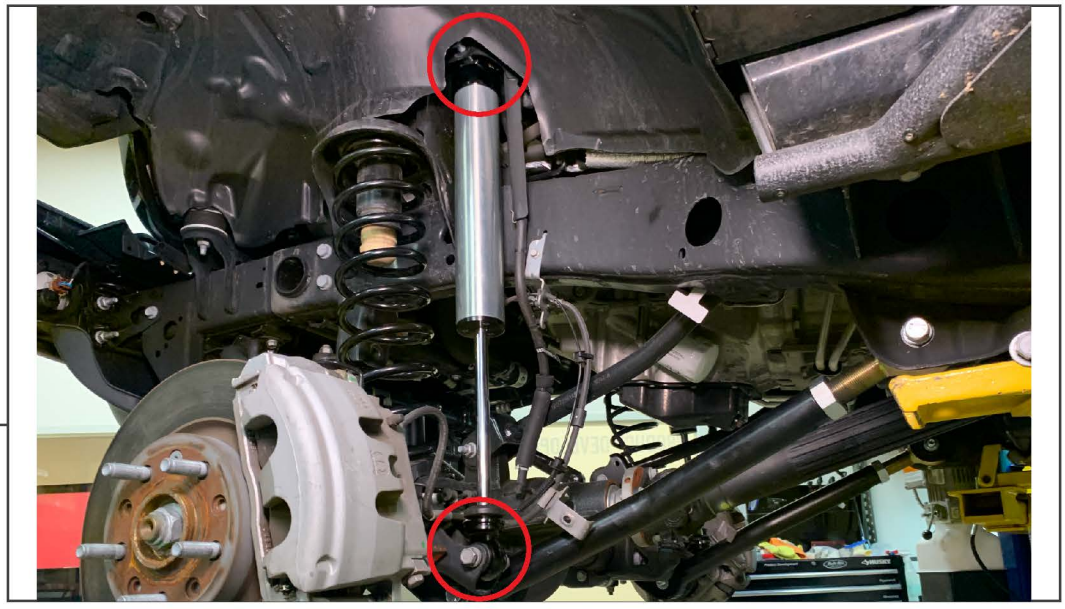
Measure the length from center to center of the stock factory lower control arm. Rotate the new adjustable low control arm out so that it matches the length of the factory control arm. **Note: The control arm length will need to be adjusted during the alignment to set the caster and front driveshaft pinion angle.

STEP 25



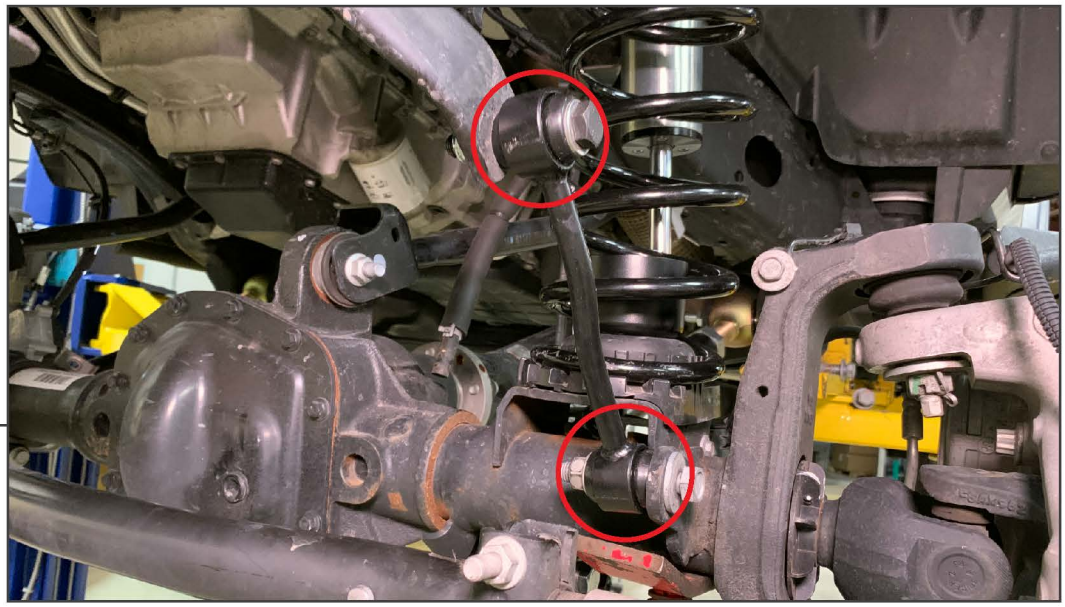
Loosely install the adjustable lower control arms so the gold end of the arm mount to the chassis. Do not fully tighten any mounting hardware until Step 28. Mount the brake line bracket to the lower control arm with the factory nut.

STEP 26



Raise the front axle and loosely install the new shock using the factory hardware.

STEP 27



Loosely Install the shorter of the provided end links. Use the provided M12x1.25 70mm bolts, (2) washers, and (1) lock nut per side for the upper mount. Reuse the factory hardware for the lower mounts. Repeat this process on both sides of the axle.

STEP 28

Follow Steps 18-21 in reverse order. Then reinstall the front wheels(torque to 150ft.lbs.) and lower the vehicle off the jack stands onto the ground. Ensure the suspension is supporting the weight of the and then torque all of the mounting hardware as follows.

Track Bar-	110Ft.Lbs.	Endlink to Axle-	60Ft.Lbs.
Shock to Axle-	75Ft.Lbs.	Endlink to Frame-	45Ft.Lbs.
Shock To Frame-	80Ft.Lbs.	Bump Stop-	20Ft.Lbs.

STEP 29

Follow the manufacturers process for headlight alignment. Professional 4 wheel alignment is required after installation. Recheck all bolt toque specs after 200 miles.