



2" COIL-OVER SUSPENSION KIT

(2019-2021 RAM 1500)

INSTALLATION INSTRUCTIONS

CONTENTS

- (2) Front Coil-Over Assemblies
- (2) Rear Shocks
- (1) Spanner Wrench
- (1) Allen Key

TOOLS REQUIRED

- 8mm, 9mm, 10mm, 14mm, 16mm, 18mm, 21mm, 22mm, 24mm Sockets / Wrenches
- Ratchet
- Pry Bars
- Hammer

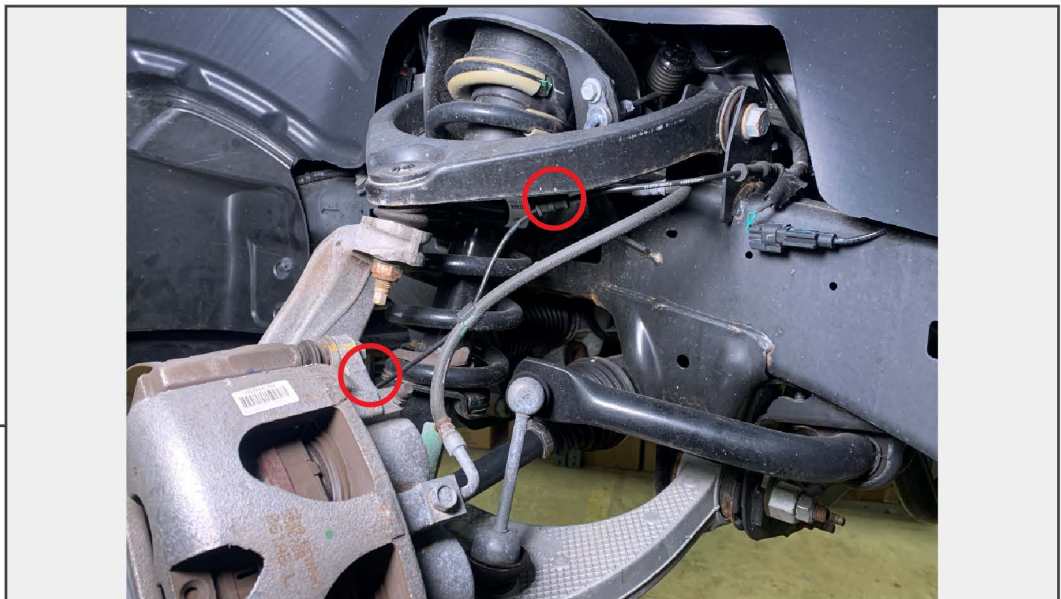
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**STEP 1
(FRONT)**

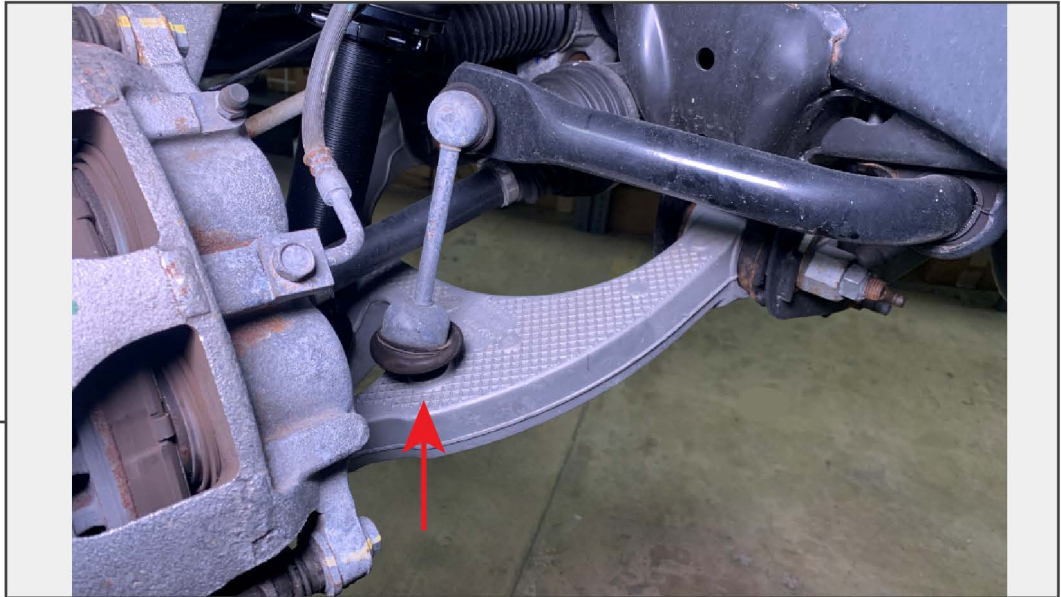
Raise and safely support the vehicle in the air. Remove wheel. Remove (1) 21mm nut from the tie rod end.

Note: Once the nut is loose, strike the knuckle with a hammer to dislodge the tie rod end from the knuckle.



STEP 2

Remove the ABS sensor harness from the retainers at the (2) locations to allow slack during disassembly.



STEP 3

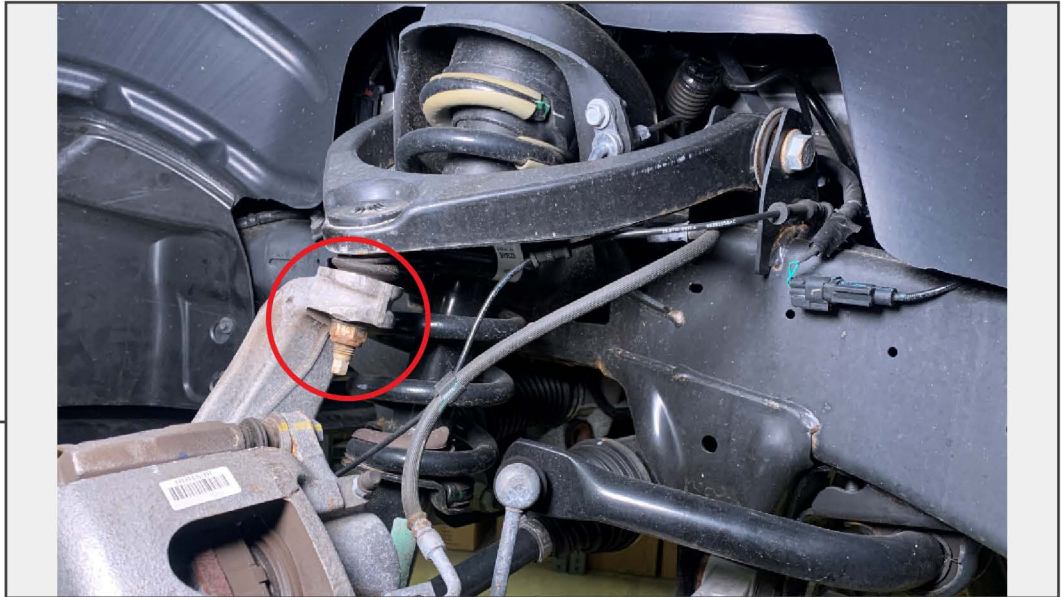
Remove (1) 18mm nut from the bottom of the sway bar link.

Note: If joint assembly spins, use a 18mm wrench and 10mm socket to remove the nut.



STEP 4

Lift and remove the wiring harness clips from the upper strut studs. Remove (3) 16mm nuts from the upper strut assembly.



STEP 5

Loosen (1) 21mm nut on the upper ball joint. Once loose, strike the knuckle with a hammer to dislodge the ball joint from the knuckle. Once dislodged, remove nut from ball joint.



STEP 6

Remove (1) 21mm bolt from the bottom of the strut assembly.

STEP 7



Remove the vehicle strut assembly from the vehicle. Prying downward on the lower control arm with a pry bar may be necessary to gain additional clearance.

STEP 8



Install the coil-over assembly into the vehicle. Use the (3) provided 14mm nuts to secure the upper mount to the vehicle. Install the lower coil-over mount to the control arm using the original hardware.

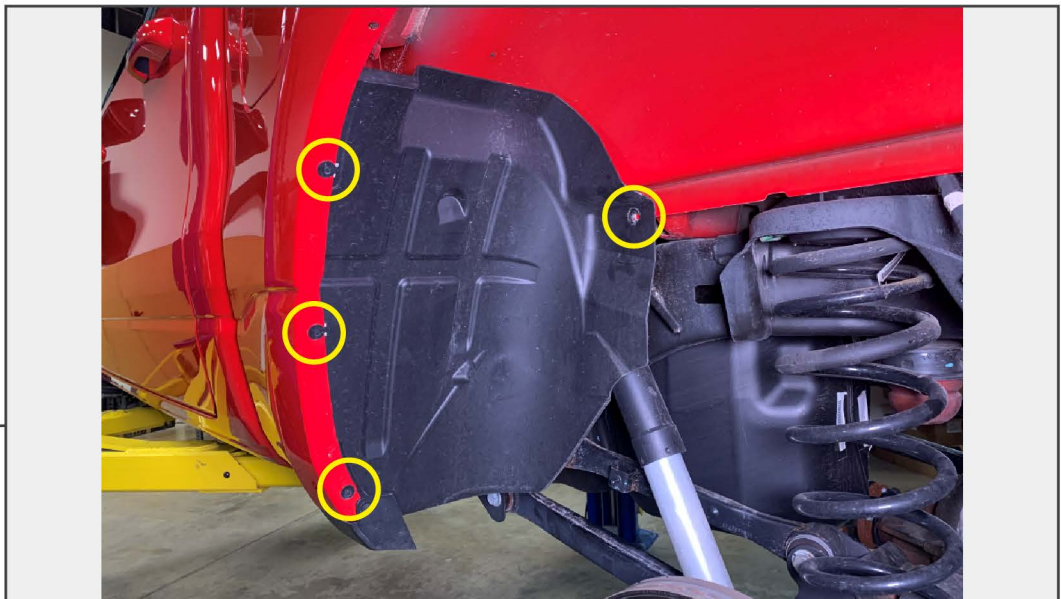
Note: Upper mounting studs are directional. Spin the coil-over assembly until the studs align with the vehicle frame.

STEP 9



Re-assemble the vehicle suspension following steps 1-8 in reverse order using original hardware. See last page for torque specifications.

**STEP 10
(REAR)**



Remove rear wheel. Remove (4) 8mm screws from the vehicle to remove the rear splash shield.



STEP 11

Apply light pressure under the rear axle using a floor jack. Remove (1) 18mm nut from the top of the shock absorber.

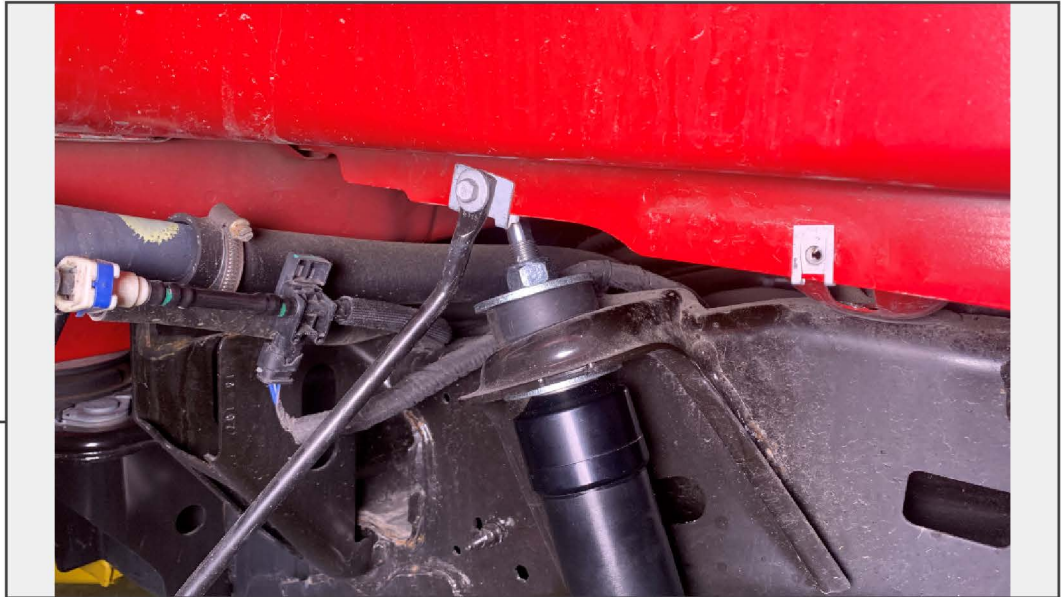
Note: If the whole assembly spins, use a 9mm wrench and a 18mm wrench to remove the nut.



STEP 12

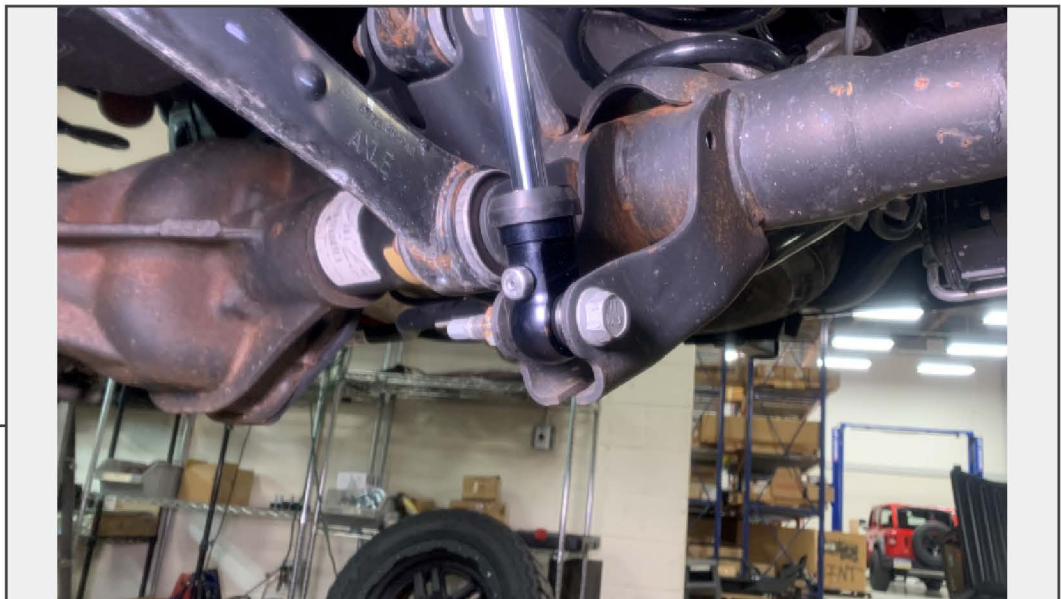
Remove (1) 21mm bolt from the shock absorber mount on the axle. Remove the shock absorber from the vehicle.

STEP 13



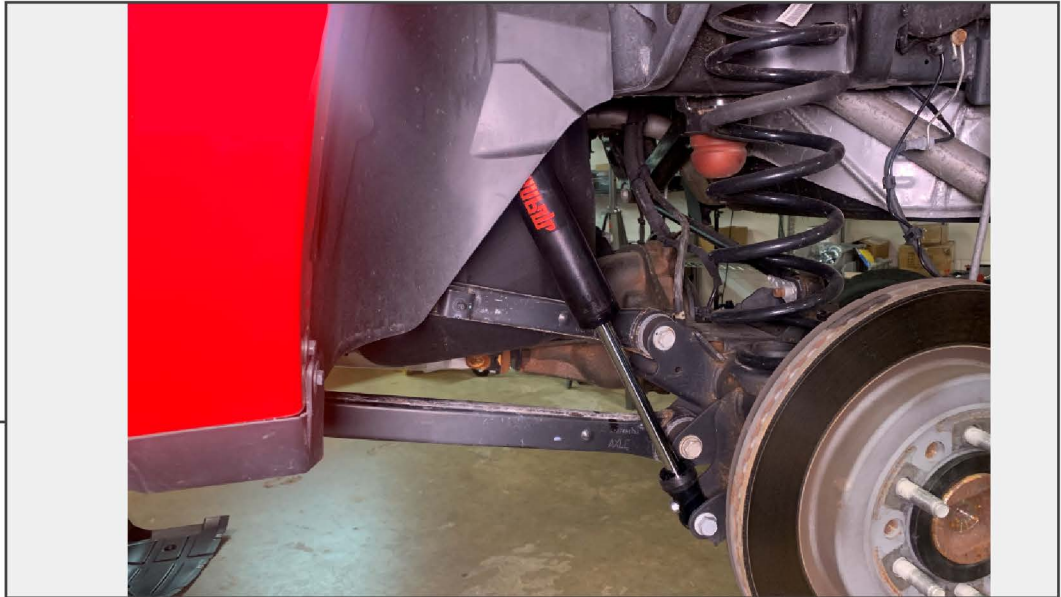
Install the new shock absorber to the vehicle frame using provided hardware. Ensure (1) rubber bushing is on each side of the frame.

STEP 14



Install the shock absorber into the vehicle axle mount using the original 21mm bolt. Raise/lower the axle accordingly to allow the shock absorber to align with the axle.

STEP 15



Re-install the rear splash shield using original hardware. See last page for torque specifications.

Installation is now complete.

**HEIGHT
ADJUSTMENT**



To adjust front ride height, loosen (1) Allen bolt located at the base of the spring mount. Once loose, turn the base with the spanner wrench to raise/lower the mount to change ride height.

Torque Specifications

FRONT

Upper Strut Nuts: 52 ft-lbs.

Lower Strut Bolt: 124 ft-lbs.

Tie Rod End: 41 ft-lbs. + 180 Degrees.

Upper Ball Joint Nut: 26 ft-lbs. + 180 Degrees.

Lower Sway Bar Link Nut: 88 ft-lbs.

REAR

Upper Shock Absorber Nut: 35 ft-lbs.

Lower Shock Absorber Bolt: 103 ft-lbs.

After any suspension work, it is highly recommended to get a front end alignment to prevent premature wear of suspension components and tires.