

aFe CONTROL Leveling Kit

1.25" Front Lift

2023-2024 Chevrolet Colorado ZR2

2023-2024 GMC Canyon AT4X

Contents:

- (2) aFe CONTROL Billet Spacers
- (1) Hardware bag
 - o (6) M10 x 1.5 Nylock Nuts
 - o (6) M10 Flat Washers

*Spacer thickness does not equal lift height

Step 1: Raise the vehicle with a 2-post lift (preferable), or floor jack. If using a floor jack, park the vehicle on level ground, put the vehicle in park, and apply the parking brake. Place jack stands in the factory designated jack points. Be sure to place "chocks" or tire stoppers on the back tires.

Step 2: Using a 22mm socket, remove the lugs from the front wheels. Remove and set the wheels aside.

Step 3: Using a 21mm wrench and 10mm socket, disconnect the upper sway bar end link on both sides of the vehicle.

The following steps should be done on one side of the vehicle before moving to the other side.

Step 4: Using a 10mm socket, remove the (3) three ABS and brake line brackets from the spindle and upper control arm. Unclip the ABS line from the upper control arm.

Step 5: Using a 21mm socket, loosen, but don't remove, the nut from the steering tie rod. Use a ball joint separator to break loose the ball joint, then remove the nut completely and disconnect the steering tie rod.

Step 6: Using an 18mm wrench, loosen, but don't remove, the nut on the upper control arm ball joint. Use a ball joint separator to break loose the ball joint, then remove the nut completely and disconnect the upper control arm from the spindle. **Note:** Use a strap to hold the spindle from swinging outward to prevent the half shaft from pulling out of its joint.

Step 7: Support the lower control arm with a jack.

Step 8: Using a 15mm socket, remove the (2) two lower strut bolts from the lower control arm.

Step 9: Remove the clips covering the upper strut mounts. Using an 18mm wrench, carefully remove the (3) three upper strut mounts.

Step 10: Have an assistant lower the jack and remove the strut assembly from the vehicle.

Step 11: Install the new aFe Control Level spacer over the top studs on the factory strut with the aFe Control logo facing outward.

Step 12: Reinstall the strut assembly into the vehicle and use a jack to get the studs aligned in the upper mounting holes.

Step 13: Using the new hardware provided, put the washers and lock nuts loosely onto the (3) three top mounting studs.

Step 14: Align the lower bar pin and reinstall the (2) two factory lower strut bolts removed previously.

Step 15: Tighten all mounting hardware for the strut to factory specifications (See table).

Step 16: Using a pry bar, lower the upper control arm until the ball joint goes into the spindle. Thread the ball joint nut on. The strap and jack can be removed from the spindle and lower control arm at this time.

Step 17: Using an 18mm wrench, tighten the upper ball joint nut to factory specifications (See table).

Step 18: Using a 21mm socket, reinstall the tie rod. Tighten nut to factory specifications (See table).

Step 19: Reinstall the (3) three brake line and ABS brackets and clip the ABS line back onto the upper control arm.

Repeat the steps above on the opposite side of the vehicle before continuing.

Step 20: Using a 15mm wrench and socket, reinstall the sway bar end links. Tighten to factory specifications (See table).

Step 21: Using a 22mm socket, reinstall the front wheels. Tighten to factory specifications (See table).

Step 22: Your installation is now complete! The vehicle must now be aligned. It is recommended to bring your vehicle to a certified alignment technician that is experienced with lifted vehicles. Thank you for choosing aFe CONTROL!

Factory Torque Specifications

Joint Description	Tool Size (Qty - Fastener Type)	Torque Specification
Upper Strut Mounts	15 mm (3X – Nuts)	43 lb-ft
Lower Strut Mounts	15 mm (2X – Bolts)	37 lb-ft
Upper Control Arm Ball Joint	18 mm (1X – Nut)	<i>First Pass:</i> 30 lb-ft <i>Final Pass:</i> +60-70 degrees
Steering Tie Rod Ball Joint	21 mm (1X – Nut)	<i>First Pass:</i> 26 lb-ft <i>Final Pass:</i> +90-105 degrees
Sway Bar End Link	21 mm (2X – Nuts)	118 lb-ft
Wheel Lug Nuts	22 mm (6X – Nuts)	140 lb-ft

Additional Torque Specs

Joint Description	Torque Specification
Upper Control Arm Adjustment Bolt/Nut	118 lb-ft
Lower Control Arm Adjustment Bolt/Nut	<i>First Pass:</i> 129 lb-ft <i>Final Pass:</i> +90-105 degrees