C1242 Installation Instructions
2023-26 Chevy Colorado Trail Boss & ZR2
2023-26 GMC Canyon Elevation, AT4 & AT4X
1" Strut Spacer Leveling Kit

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» Product Safety Warning

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions.
Always wear your seat belt.

» Technical Support

Live Chat provides instant communication with Zone tech support. Anyone can access live chat through a link on www.zoneoffroad.com .

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to ***tech@zoneoffroad.com*** detailing your issue for a quick response.

888.998.ZONE Call to speak directly with Zone tech support.

» Pre-Installation Notes

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

Difficulty Level

easy 1 (2) 3 4 5 difficult

Estimated installation: 2-3 hours

Special Tools Required

CH-42188–B - Ball Joint Separator

ZR2 / AT4X Tire/Wheel Fitment

285/75R17 - Stock Wheel / BS

295/70R17 - Stock Wheel / BS

TB / AT4 Tire/Wheel Fitment

285/70R17 - Stock Wheel / BS

285/65R18 - Stock Wheel / BS

285/60R20 - Stock Wheel / BS

285/75R17 - Stock Wheel / BS*

285/70R18 - Stock Wheel / BS*

285/65R18 - 18x8.5 w/ 5" BS*

285/70R17 - 17x8.5 w/ 5" BS*

*Trimming may be required

IMPORTANT

It is required that ride height measurements be taken before and after installation. Measure from the **WHEEL AXLE CENTER** up to the **FENDER LIP** of the wheel opening. Do this for all 4 wheels. Record measurements below.**

BEFORE:

*LF*_____ *RF*_____ *LR*_____

*RR*_____

AFTER:

*LF*_____ *RF*_____ *LR*_____

*RR*_____

***These ride heights will be required if you have any ride height concerns after installation. Please be prepared to provide these to Technical Support.*

INSTALLATION INSTRUCTIONS

Pre-Installation

1. Park vehicle on clean and level surface. Block the rear wheels for safety.
2. Measure the ride height of the vehicle from the center of the wheel to the fender and record.
3. All pictures shown with the ZR2 / AT4X struts. Instruction process will remain the same with a Trail Boss, AT4, or Elevation model truck.

Kit Contents

Important Verify you have all of the kit components before beginning installation.

Qty	Part
2	Strut Spacer
1	Bolt Pack
6	10mm Flange Nut

Disassembly Instructions

1. Raise the front of the vehicle with a hydraulic jack. Support the frame rails with jack stands.
2. Remove the front wheels.
3. Remove the nut from the sway bar links attaching it to the steering knuckle. Remove the sway bar link stud from the steering knuckle. Save nut for later installation Figure 1

Figure 1

Perform the following installation steps on one side at a time.

4. Disconnect the ABS wire from steering knuckle and upper control arm to gain additional slack. Retain OE hardware from the steering knuckle for later installation Figure 2

Figure 2

5. Disconnect the three ABS wire mount clips from the upper control arm completely in order to gain additional slack to remove the strut assembly. The ABS wire will need to remount to these wire mount clips. Figure 3

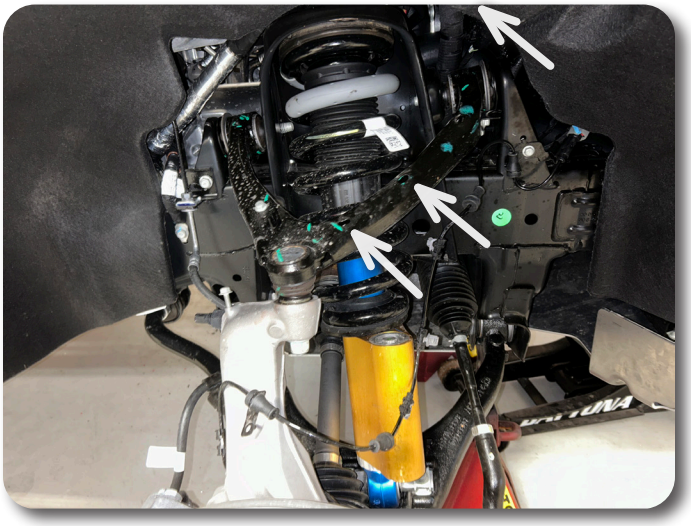

Figure 3

6. Remove the tie rod nut and thread it on until flush with the end of the ball joint. Use a CH-42188-B - Ball Joint Separator to separate the outer tie rod from the steering knuckle Save nut for later installation. Figure 4

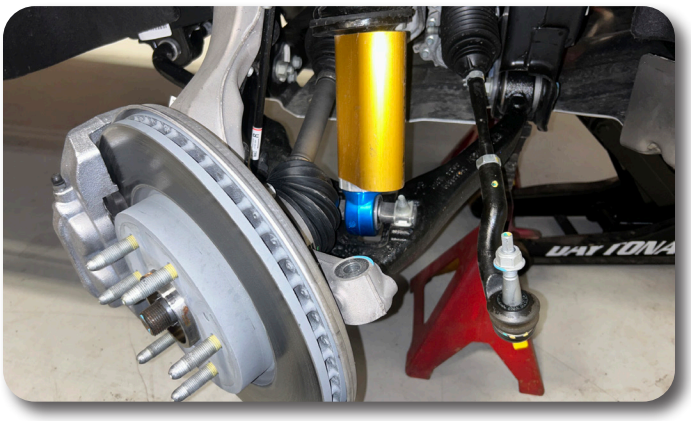

Figure 4

7. Remove the upper ball joint nut and thread it on until flush with the end of the ball joint. Using a CH-42188–B - Ball Joint Separator, separate the upper control arm from the steering knuckle Disconnect the ball joint and allow the knuckle to swing rearward out of the way. Save nut for later installation Figure 5

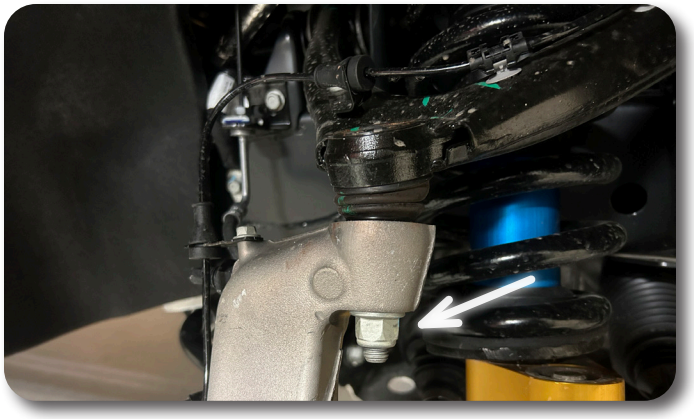

Figure 5

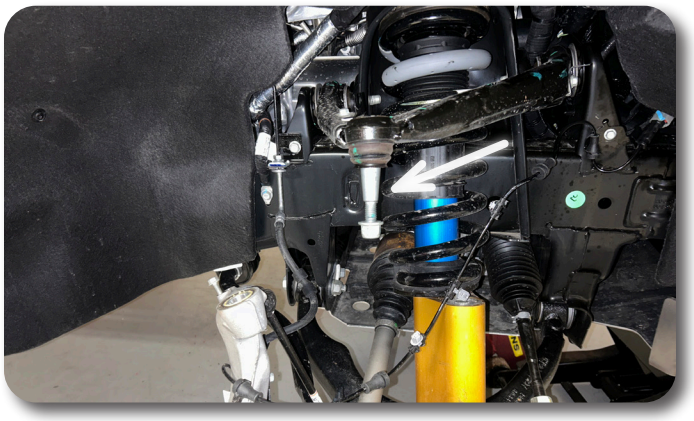

Figure 5

8. Disconnect any wire harness retainers from the upper strut mount nuts. Support the lower control arm with a hydraulic jack and remove the 3 upper nuts holding the top of the strut to the frame mount. DO NOT remove the center nut on the strut. Discard nuts, these will not be re-used. **Figure 6, 7,8**

Figure 6

Step 8 Note:

If needed, the fender liner may need to be removed for easier access to the three strut mount nuts..

Figure 7

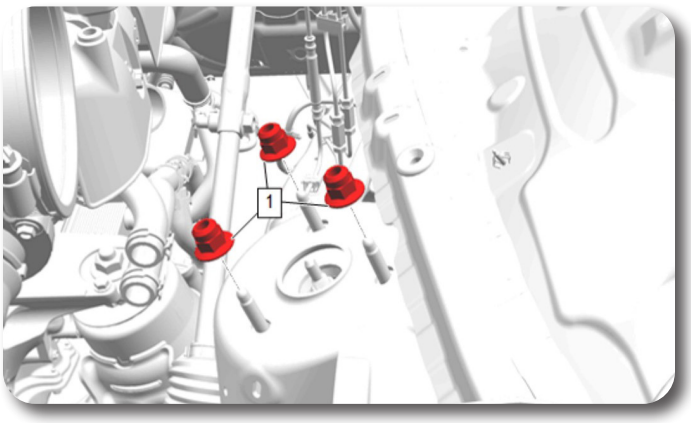

Figure 8

9. Remove the two lower strut bolt. Save hardware for later installation Figure 9

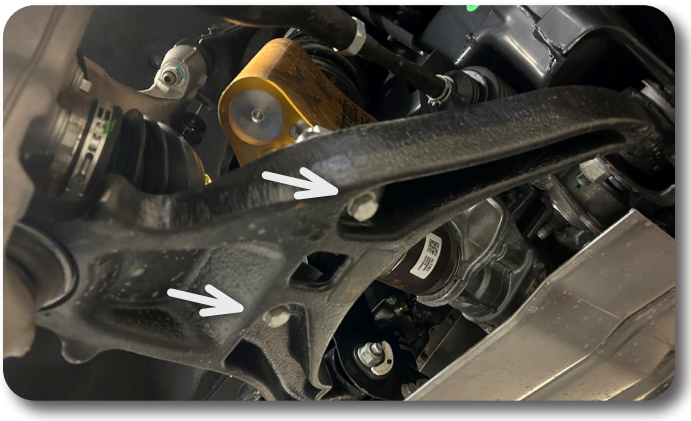

Figure 9

Step 10 Note:

If needed, remove the nut attaching the CV shaft.

10. Using the jack, lower the control arm and knuckle enough to remove the strut, being careful not to overextend any lines or the CV shaft..

Strut Spacer Installation

11. Install the strut spacer onto the factory upper strut studs. Figure 10

Figure 10

Strut Installation

12. Loosely re-install the strut with strut spacer to the frame with the provided 10mm locking flange nuts. Figure 11

Figure 11

13. Raise the lower control arm and re-install the lower strut bolts. Tighten the two lower strut bolts to 37 ft-lbs. Figure 12

Figure 12

14. Torque the upper strut mount nuts to 39 ft-lbs.
15. Re-connect the upper ball joint to the steering knuckle. Torque the upper ball joint nut with a first pass to 30 ft-lbs and a final pass of 60-75 degrees. Figure 13

Step 12 Note:

The 10mm hardware in bolt pack 455.

Figure 13

16. Re-connect the tie rod to the steering knuckle, Torque the tie rod nut with a first pass to 26 ft-lbs and a final pass of 90-105 degrees. Figure 14

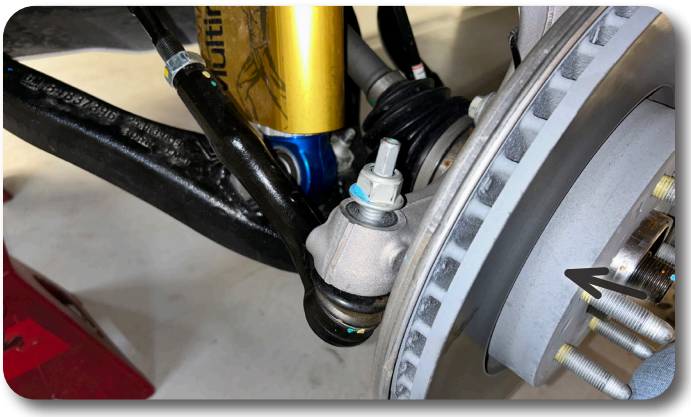

Figure 14

17. Complete the strut spacer installation procedure on the other side.
18. Reattach the sway bar links to the steering knuckles and tighten the nut to 118 ft-lbs.
19. Re-install the brake line brackets and ABS wire clips to the upper control arm.
20. Reattach the ABS wire mount to the steering knuckle and torque to 80in-lbs.

Post Installation

1. Install the tires and lower the vehicle to the ground, bounce the front end to settle the suspension.
2. Check all hardware for proper torque.
3. Check hardware after 500 miles.
4. Adjust headlights.
5. A front end alignment must now be performed to original equipment specifications.

Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.

2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.

3. Perform head light check and adjustment.

4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.