



C2310 Installation Instructions

2007-2014 Chevy / GMC 1500 2/4WD

Replacement Upper Control Arm Kit

Cast Steel OE Control Arms

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 hours

Special Tools Required

NA

Tire/Wheel Fitment

0-3" Spacer

265/xx/17+ w/ 4.5" BS

4-6" Zone

33x12.50 w/ 4.5-5" BS

35x12.50 w/ 5-5.75" BS*

35x12.50 w/ 4.5-5" BS

**Requires Welding*

Pre-Installation Note

1. Not for use on 2014 model trucks with aluminum steering knuckles.
2. Not recommended for 2007-2014 model year Avalanche / Tahoe with aluminum lower control arms.
3. For replacement ball joints use service kit ZONC8201 or ZONC8211. Ball joint is directional and must be installed with the 'dot' facing either inward or outward on the vehicle, otherwise damage may occur.
4. Welding required for certain tire /wheel fitment to guarantee clearance from tire to replacement arm.

Installation instructions

5. Two different style weld on steering stops are included in this kit and are highly recommended to be installed. The arms will provide additional droop over stock and can put the CV at the hub at near maximum range of motion at full droop while turned. See end of instruction sheet for which set of weld on plates to install.
6. Park vehicle on clean, flat, and level surface. Block rear wheels for safety.
7. Raise the front of the vehicle and support the frame rails with jack stands.
8. Remove the front wheels.
9. Disconnect the ABS wire from the upper control arm. **Figure 1**



Figure 1

10. Mark the upper control arm cam position. Remove the stock upper control arm. **Figure 2**

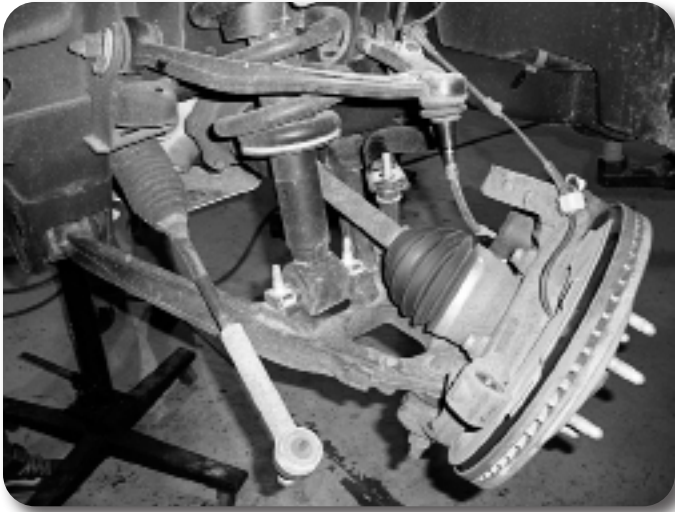


Figure 2

11. Install new control arm assembly with new nut at the steering knuckle and factory cam bolts at the frame. The small tab welded to the top of the new arm will be toward the rear of the vehicle. Tighten ball joint nut to 37 ft-lbs. Install cotter pin. Do not loosen nut to get the cotter pin to align with the hole.
12. Adjust cam bolts to previous marks, snug, but do not tighten at this time.
13. **0-3" lift:** Cut the extra tab from the brake line bracket as shown. Use 1/4" hardware (#768) to attach the brake bracket to the upper control arm. **Figure 3**

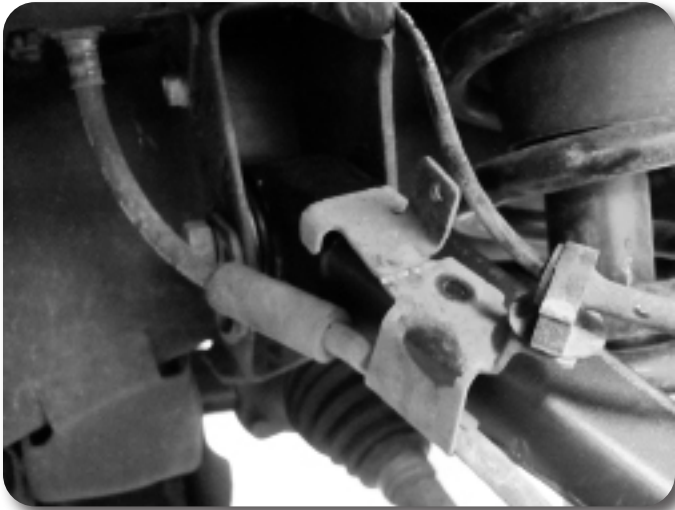


Figure 3

14. **4-6" lift:** Attach ABS wire to the arm with new 5/16" hardware with wire clip. Tighten to 15 ft-lbs. **Figure 4**



Figure 4

15. Install weld on steering stops to the lower control arm as shown. Figure 5 shows the steering stops that are required with a Zone suspension lift (4-6" of lift). Figure 6 shows the steering stops that are required with 0-3" spacer kits.



Figure 5



Figure 6

16. Reinstall wheels. Cycle steering to check for clearance between the tire and upper arm at full droop. Check for adequate clearance between brake line and ABS wire and tire / wheel. Lower vehicle to the ground, torque lug nuts to specification.
17. Bounce suspension to settle at correct ride height. Align to previous marks, tighten upper cam bolts to 95 ft-lbs.
18. Cycle steering and check for clearance at ride height between tires and upper control arm. Check for adequate clearance between brake line and ABS wire and tire / wheel. Weld on steering stops may be required for tire / wheel fitment outside of recommended range.
19. Recheck all hardware for proper torque, and alignment is now required. Check hardware after 500 miles.

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.