



## Zone C2351 Installation Instructions 2007-2014 Chevy 1500 3.5" Lift - 2wd

### 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](http://www.zoneoffroad.com).

[www.zoneoffroad.com](http://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](mailto: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: hours

#### Special Tools Required

General Hand Tools, Cutoff Tool

#### Tire/Wheel Fitment

285/70/17 w/ 4-1/2" Backspacing

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

### C2351 Kit Contents

**Qty Part**

2	Strut Spacer
1	Bolt Pack - Strut Spacer - Top
6	M10-1.50 Nylock Nut Clear Zinc
6	10mm flat washer clear zinc
1	Drv - Upper Control Arm
2	UCA - Bushing
1	07+ Chevy Upper Ball Joint
1	Ball Joint Cap
1	o-ring (2" OD x 1/8")

1	Grease Zerks - long
1	Pass - Upper Control Arm
2	UCA - Bushing
1	07+ Chevy Upper Ball Joint
1	Ball Joint Cap
1	o-ring (2" OD x 1/8")
1	Grease Zerks - long
2	Wire Clip
2	5/16"-18 x 3/4" bolt
2	5/16"-18 prevailing torque nut
4	5/16" SAE washer

## » INSTALLATION INSTRUCTIONS

1. Park vehicle on clean, flat, and level surface. Block the rear wheels for safety.
2. Lift the front of the vehicle and support frame rails with jack stands.
3. Remove the front wheels.
4. Disconnect the ABS wire from the top of the upper control arm mounting bracket. Disconnect the bracket from the top of the upper control arm. **Figure 1, 2**

Important—measure before starting!

Measure from the center of the wheel up to the bottom edge of the wheel opening

LF \_\_\_\_\_ RF \_\_\_\_\_

LR \_\_\_\_\_ RR \_\_\_\_\_

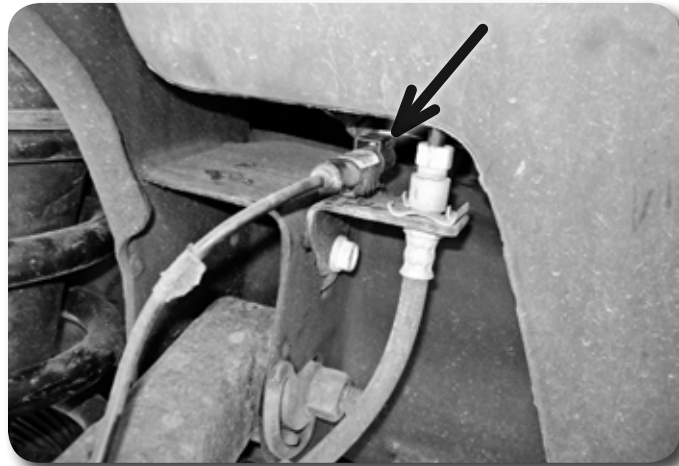


Figure 1



Figure 2

5. Disconnect the upper ball joint nut, reinstall the nut several turns. Strike the steering knuckle to dislodge the upper ball joint. Disconnect upper ball joint from steering knuckle, repeat process for tie rod end. **Figure 3**

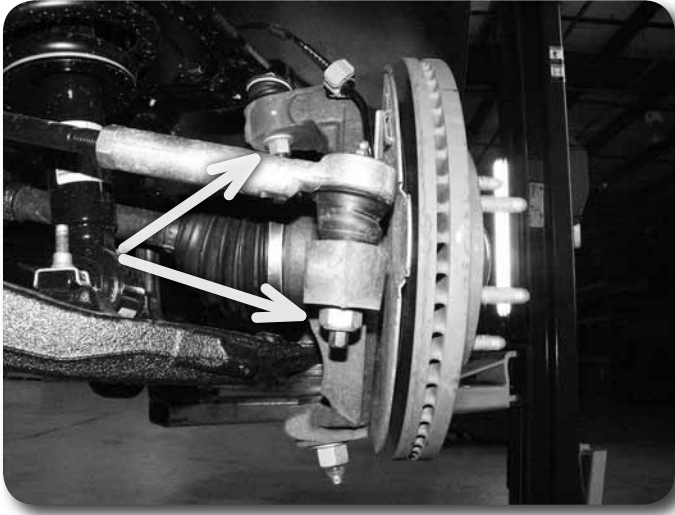


Figure 3

6. With the upper balljoint disconnected, remove the factory strut assembly, retain all hardware.
7. Trim the two studs that are towards the inside of the vehicle. Only the very top, unthreaded portion needs to be removed. **Figure 4**

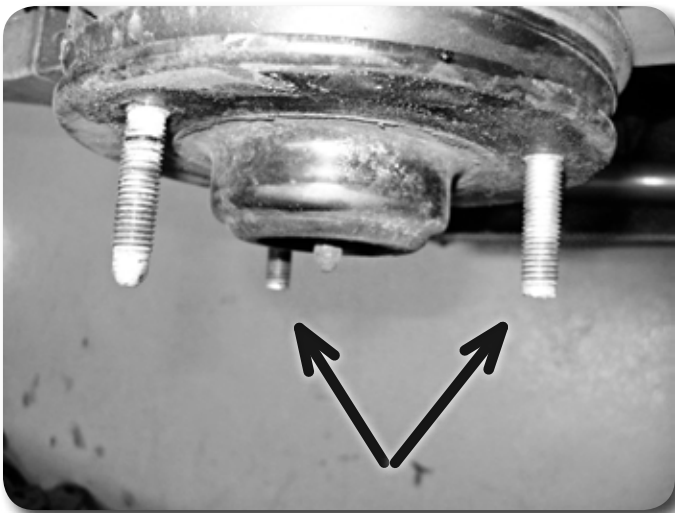


Figure 4

8. Install top spacer with new 10mm nuts with washers. Tighten to 40 ft-lbs.
9. Reinstall strut assembly with new 3/8" nuts and washers at the upper mount. Attach with factory hardware at lower mount. **Figure 5 & 6**

### Fig 5 Note

Attach with 3/8" nuts to the frame.  
Tighten to 35 ft-lbs. Attach  
lower mount with factory hardware.  
Tighten to 40 ft-lbs.

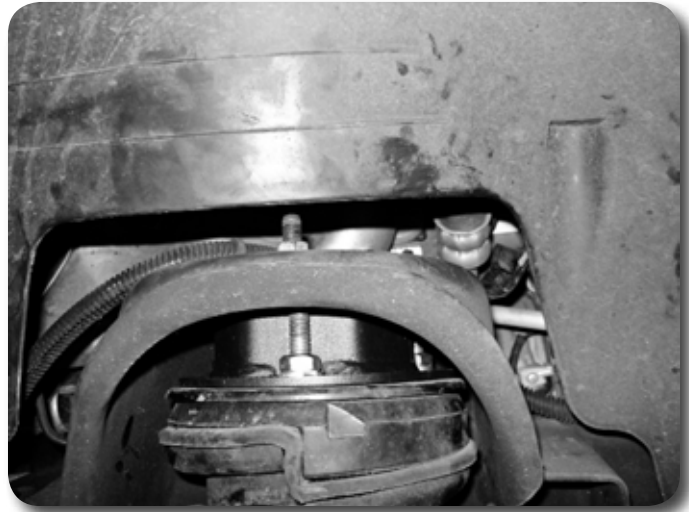


Figure 5

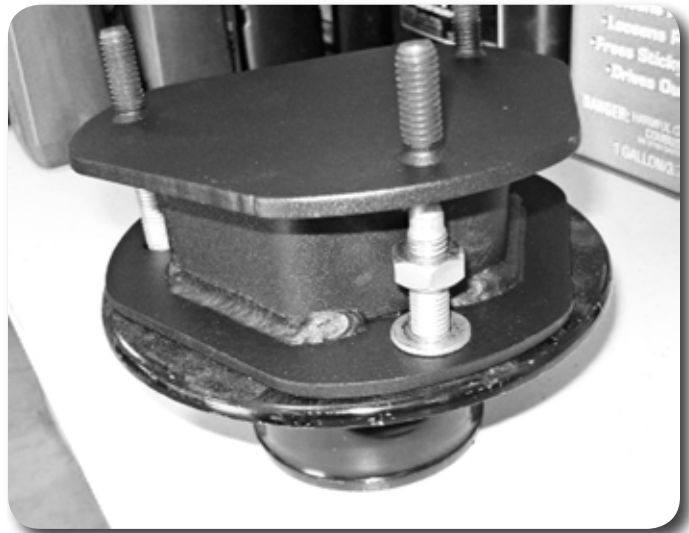


Figure 6

10. Tighten upper hardware to 35 ft-lbs. Tighten lower hardware to 40 ft-lbs.
  11. Mark the upper control arm cam position. Remove the stock upper control arm.
- Figure 7

### Fig 7 Note

4wd model shown - 2wd similar.

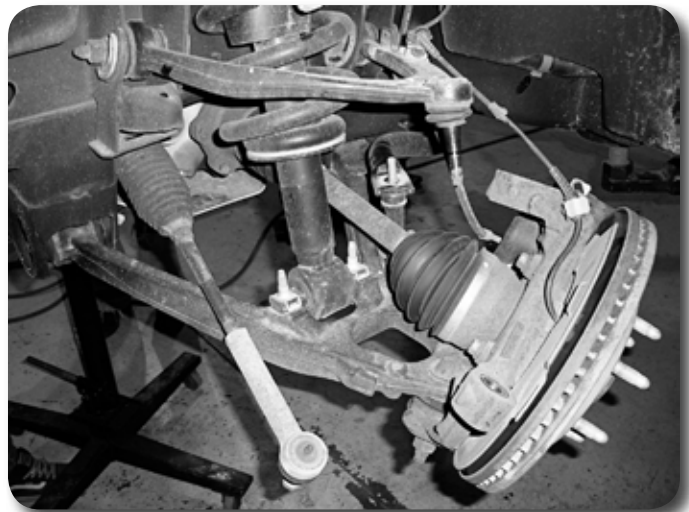


Figure 7

12. 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.
13. Adjust cam bolts to previous marks, snug, but do not tighten at this time.
14. 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 8**



Figure 8

15. Disconnect the battery. Install weld on steering stops to the lower control arm as shown. Paint after welding, reconnect battery. **Figure 9**



Figure 9

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. Additional steering stops may be required if a tire / wheel package outside of the specified range is chosen.

### Fig 8 Note

1/4" brake line hardware is in #768 bolt pack. Tighten to 10 ft-lbs.

## **Recommend Alignment Specifications**

### **CASTER**

$3.30^{\circ} \pm 1.00^{\circ}$

### **CAMBER**

$-0.10^{\circ} \pm 0.60^{\circ}$

### **TOE**

$+0.10^{\circ} \pm 0.20^{\circ}$

19. Recheck all hardware for proper torque, and alignment is now required. Check hardware after 500 miles.
20. Rear box kit must be installed - see separate instruction sheet.

## **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.