



## #C1355 Installation Instructions 2004-present Chevy Colorado/GMC Canyon 3.5" Combo Lift 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](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: 4-5 hours

#### Special Tools Required

Large C-clamps

Welder (optional - see install steps)

Reciprocating Saw and/or cut-off tool

T30 Torx Bit

#### Tire/Wheel Fitment

32x11.50x15 - 5" backspacing - see trimming steps at end of instructions

rev053113

## 2" Suspension Kit Contents

Qty	Description
2	Torsion Key -DS
1	Torsion Key - PS
2	Shock Spacer
4	Diff. Drop Spacer
2	Add-A-Leaf
2	5/16" Center Pin & Nut
4	1/2" x 3-1/4" x 7" Rnd U-bolt/Nuts/Washers
2	5/16" x 3-1/2" Center Pin/Nut

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

## Body Lift Kit Contents

Qty	Part
16	3" Wide x 1.5" Tall Body Spacer
1	Bolt Pack - Body/Bed Bolts - #275
4	1.5" Tall Front Bumper Spacer
1	Bolt Pack - Main Lift Hardware #276
4	Metal Bed Spacer
2	Front Outside Bumper Support Bracket
2	Tow Hook Relocation Plate
2	Weld-in Bumper Frame Gusset
1	Radiator Support Bracket - Drv
1	Radiator Support Bracket - Pass
2	Fan Shroud Bracket
1	Center Radiator Support Bracket



## 2" Suspension Installation Instructions

### » FRONT INSTALLATION

1. Park vehicle on clean, flat, and level surface. Block the rear wheels for safety.
2. Measure the ride height of the vehicle and record.
3. Raise the front of the vehicle with a hydraulic jack. Support the frame rails with jackstands.
4. Measure the length of the torsion bar adjuster bolts (threaded portion sticking past the adjuster)
5. Spray the bolts with penetrating oil. Remove the adjuster bolts, keep driver's and pass side bolts separate.
6. Raise up the torsion bar key and remove the key from the torsion bar and cross member.
7. Disconnect the upper shock hardware. Compress the shocks and remove the lower cup washer and bushing. Install the new spacer sleeve on the shock stud.

Figure 1

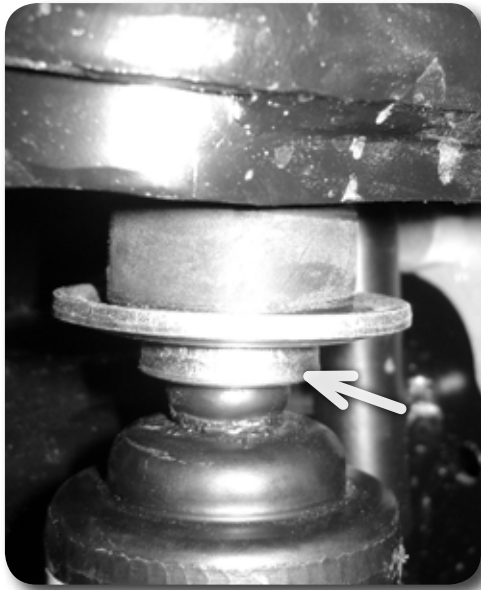


Figure 1

8. Reinstall the shock bushings and cup washers. Tighten the nut until the bushings begin to swell.
9. Install the new torsion bar keys.
10. Install the adjuster bolt and the threaded bridge.
11. Set the overall length of the exposed thread to 1-3/8". This may need to be adjusted if heavy accessories are added to the front of the vehicle, or to level the vehicle side to side. Figure 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 \_\_\_\_\_

**Important** - Measure from the exposed length of the torsion bar adjusters before starting:

Drv \_\_\_\_\_ Pass \_\_\_\_\_

**Caution:** There is an extreme amount of energy stored in the torsion bars. Use extreme care with the proper tools to avoid serious injury or death.

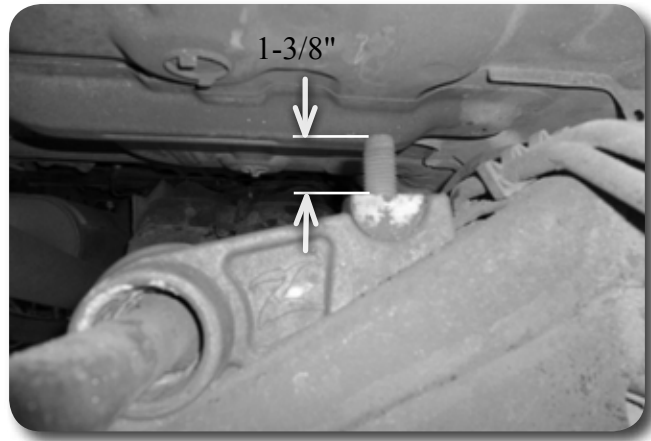


Figure 2

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### » DIFFERENTIAL DROP INSTALLATION

12. Support the differential with a jack and locate the 4 bolts mounting the differential to the frame. Figure 3

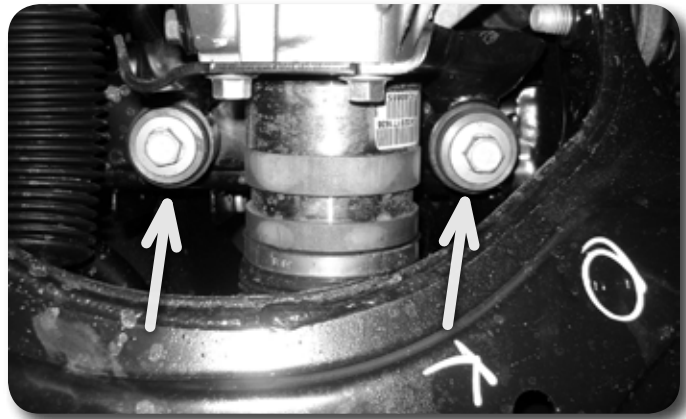


Figure 3 Passenger Side Shown

13. Working on one side at a time, remove the 2 mounting bolts and lower the jack to allow enough clearance for the provided differential drop spacers. Figure 4

#### Step 13 Note

Due to interference with the lower control arm, it is easiest to leave the rearward bolt inside the differential bushing, install the spacer and replace the bolt.



Figure 4 - Drivers Side Shown

14. Install both spacers and loosely reassemble using the factory bolts
15. Repeat steps 13 & 14 for the other side of the vehicle. **Figure 5**

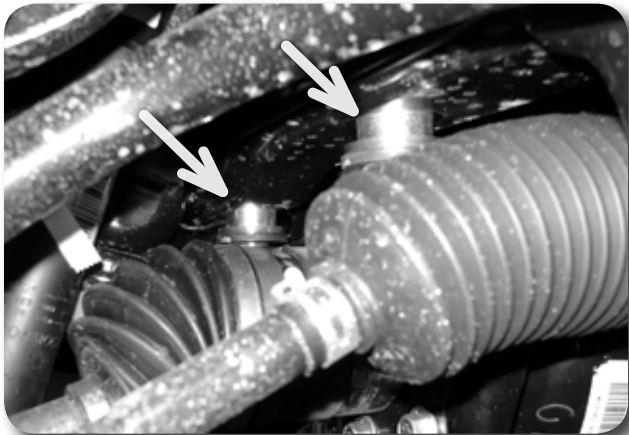


Figure 5 - Passenger Side with spacers installed

16. Once all 4 spacers have been installed, tighten bolts to 112 ft-lbs.

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### »» **FINAL FRONT INSTALLATION**

17. Lower the front end to the ground, bounce the front end to settle the suspension.
18. Check the final ride height measurements on both sides. This should be set at 22-3/4"~23". If it is greater than this, the adjusters need to be lowered. It may be necessary to adjust one side to make the vehicle level.

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### »» **REAR INSTALLATION**

1. Block the front wheels and raise the rear of the vehicle with a hydraulic jack. Support at the frame rails with jack stands ahead of the leaf springs.
2. Remove the year wheels.

3. If replacing the rear shocks, remove them now. If not replacing the rear shocks, disconnect them at the axle only. Save hardware.
4. Starting on the passenger's side, remove the factory u-bolts and the lower leaf spring plate.
5. Using a hydraulic jack, raise the passenger's side of the axle up off of the leaf spring approximately 3". If may be necessary to loosen the driver's side u-bolts to allow the axle to move.
6. Place two large C-clamps on each side of the leaf spring center pin. Tighten the clamps and remove the center pin. Slowly loosen the C-clamps allowing the leaf spring to seperate.
7. Place the new provided add-a-leaf into the leaf pack so that the leaf above is longer and the leaf below is shorter. Compress the leaf pack together with the C-clamps and install the new center pin from the top down. Tighten the center pin to 20 ft-lbs. **Do Not** pull the leaf pack together with the center pin.
8. Lower that axle onto the leaf spring and align the center pin/hole. Fasten with the provided u-bolts, nut and washers. Snug u-bolts to hold the assembly together.
9. Repeat add-a-leaf installation on the driver's side.
10. If replacing the rear shocks, install the new shocks now with the factory hardware. If reusing the factory shocks, reattach to the axle with the factory hardware. Torque the upper bar pin bolts to 25 ft-lbs and the lower axle mount bolt to 70 ft-lbs.
11. Install the wheels and lower the vehicle to the ground. Torque lug nuts to 100 ft-lbs. Torque the new u-bolts to 70 ft-lbs.

## 1.5" Body Lift Installation

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Disconnect the positive and negative battery cables.
3. Raise the hood and locate the tabs securing the front grill to the core support. The upper headlight housing is part of the grill assembly. The clips are located as follows: 2 each near the outside of the headlight assembly, 3 along the bottom/center of the grill and 4 along the top/center. The 4 top tabs have a release lever built in **Figure 1** while the rest must be pulled out with some force. A long shank, flat head screw driver will help.

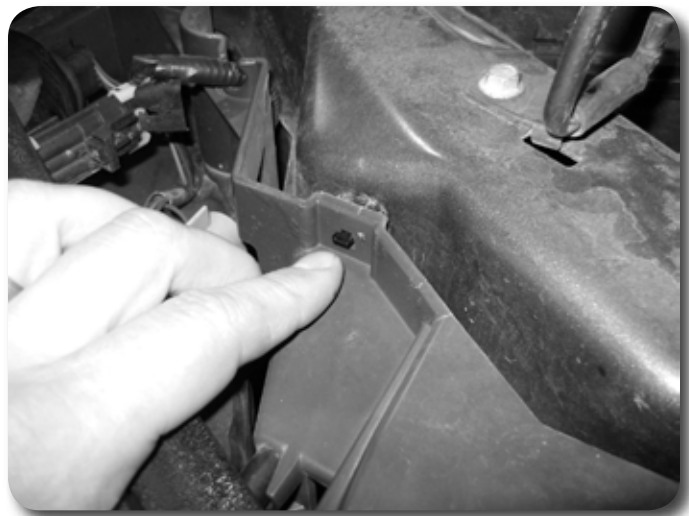


Figure 1

4. Once the grill tabs are released, disconnect the wiring harnesses from each upper headlight assembly **Figure 2A**. Remove the grill from the vehicle. **Figure 2B**

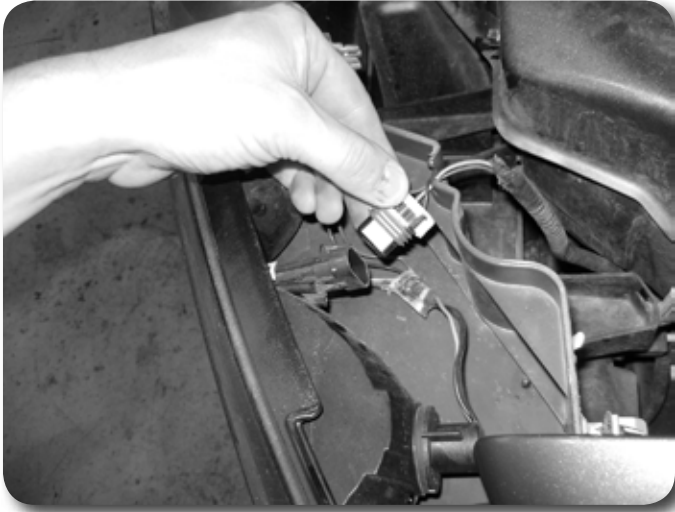


Figure 2A



Figure 2B

5. Locate the front skid plate. Remove the 4 bolts and remove the skid plate from the vehicle. **Figure 3A** Save hardware and skid plate. It will be modified and reinstalled later. On late models equipped with a factory crash bar, remove the crash bar from the two frame mounts. Save bar and hardware. **Figure 3B**

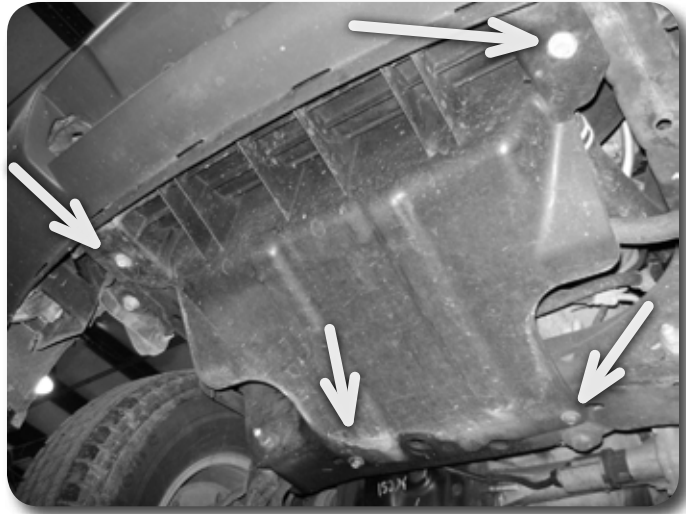


Figure 3A

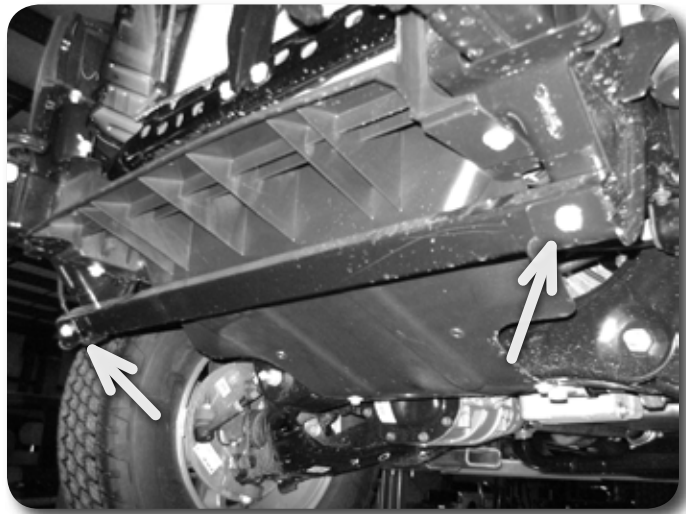


Figure 3B

6. Locate the outside bumper support brackets. Remove the two bolts securing each bracket to the frame. Figure 4 Save hardware.



Figure 4



7. If equipped, disconnect the driving light wiring harnesses from the lights in the front bumper. Figure 5

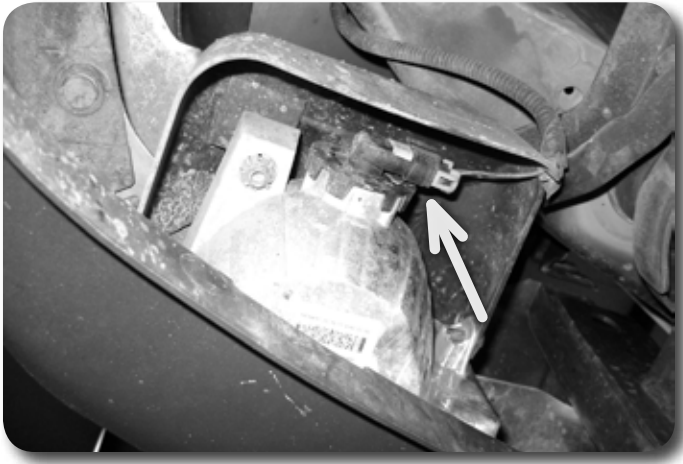


Figure 5

8. The front bumper is mounted with 4 bolts accessed from the top/center. Figure 6 Remove the bolts and carefully remove the front bumper from the vehicle.



Figure 6

9. If equipped, remove the two bolts mounting the tow hooks to each frame rail end. Figure 7 Remove the tow hooks from the vehicle.

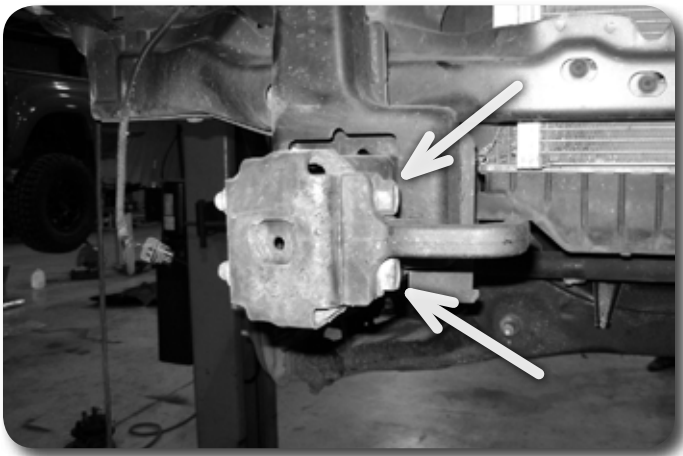


Figure 7

10. Locate the top center radiator support bracket. Remove the bolt securing the bracket to the core support and save the bracket and hardware. **Figure 8**



Figure 8

11. At the front of the core support, remove the 2 bolts mounting the hood latch to the core support. Also, remove the bolt mounting the horn to the core support. Save all hardware. **Figure 9**

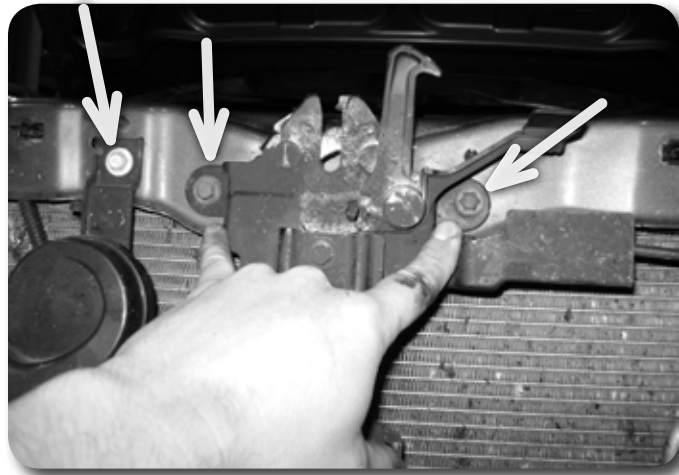


Figure 9

12. Remove the AC condenser line from the plastic retaining clip on the driver's side fan shroud. **Figure 10A** Remove the breather line from the passenger's side radiator support bracket. **Figure 10B**



Figure 10A

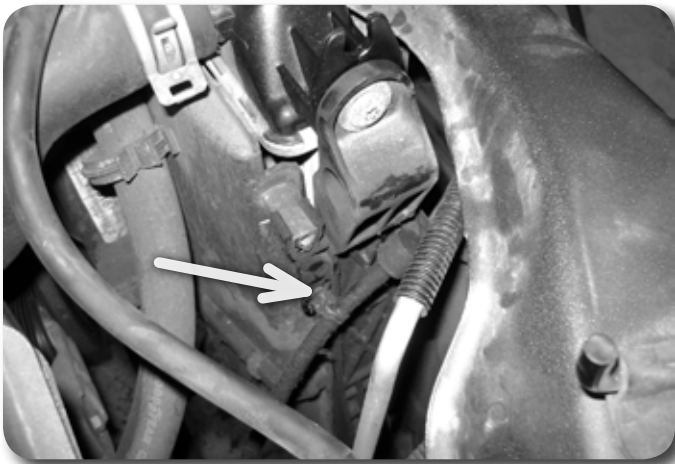


Figure 10B

13. Locate and remove the 2 AC condenser mounting bolts. Figure 11A Save bolts. Lift up on the AC condenser and remove it from the lower mounting tabs. Figure 11B Use the provided zip ties to hold the condenser in place during the rest of the installation. Figure 11C

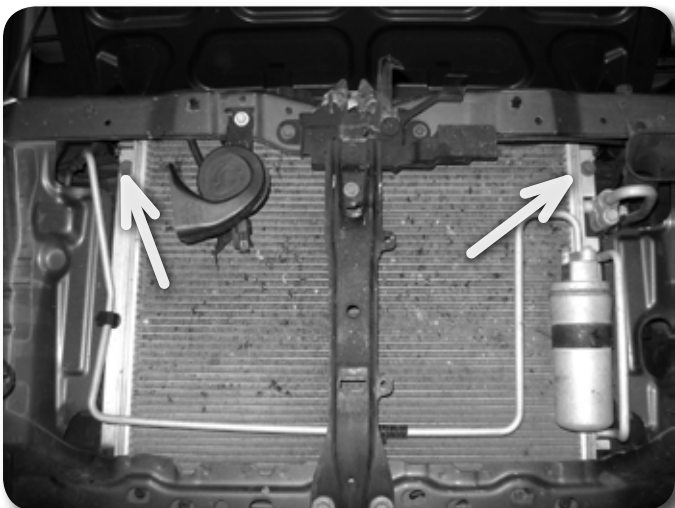


Figure 11A

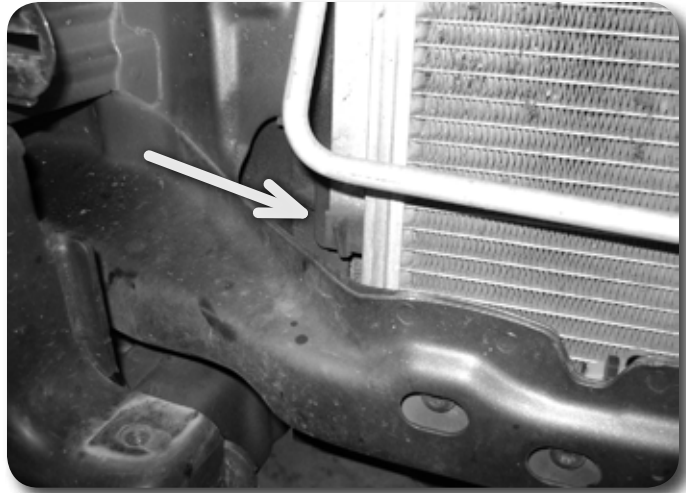


Figure 11B



Figure 11C

### Step 14 Note

These bolts have Loctite on the threads. Also, if corrosion exists, spray with penetrating lubricant before disassembly. Take care when removing the bolts to not strip the head. Bolts and square nuts will not be reused.

14. The radiator is held in place with two side support brackets that run the length of the radiator and set in the core support. These must be removed. Locate the top 2 support bracket bolts. **Figure 12** Remove the bolts with a T30 torx bit.



Figure 12

15. With the upper mount bolts removed, working on one side at a time, push down on the side support bracket and pull up on the radiator. Remove the side support bracket from the bottom radiator keyhole slot mount. **Figure 13A** With the bracket released, remove it from the vehicle. **Figure 13B** Repeat removal on the opposite side. Save brackets.



Figure 13A



Figure 13B

16. Lock the steering wheel so it can not turn. Make indexing marks between the upper steering column and the steering shaft. **Figure 14** Locate the upper and lower steering shaft universal joints. Remove the pitch bolts at the upper and lower u-joints and remove the intermediate shaft from the vehicle. When removed, be sure the front wheels are not turned.



Figure 14

17. Remove the rubber boot retaining clamp from the intermediate shaft. Pull the boot up the shaft to expose the slip joint. Locate the staked point on the edge of the female portion of the slip shaft. Using a flat head screwdriver and a hammer, carefully tap to screw driver under the staked area to expand it back out. **Figure 15A** It doesn't take a lot. Expand the staked area until the slip splines can slip out past the edge of the female portion. **Figure 15B** Reinstall the boot.



Figure 15A



Figure 15B

18. Reinstall the intermediate shaft to the steering column and steering gear box by aligning the marks made during disassembly. Fasten with the original pitch bolts. Use Loctite on the bolt threads and torque to 30 ft-lbs.
19. Loosen but do not remove all of the cab mount bolts. All of the cab bolts are accessed from the bottom of the body mounts. Note the cab to bed spacing for alignment after the body is lifted. Check wires around battery tray for appropriate slack. Remove from clips where necessary.
20. Remove the passenger's side body mount bolts. The washers are captive on the bolts. Place the washer over the jaws of a bench vise and strike the bolt to remove it from the washer. Using a hydraulic jack and a block of wood, carefully raise the passenger's side of the body until the provided 1.5" tall body spacers can be installed between the body and factory body mount. Loosely fasten the body through the factory mounts and new spacers with 14mm x 160mm bolts and washers with the factory large washers. Figure 16



Figure 16

### Step 20 Note

The weight of the body will need to be on the mounts to compress the rubber in order to install the bolts. New body hardware is located in pack #275.

21. Repeat the cab lift procedure on the driver's side. Standard cab models will have 2 less body mounts than extended and crew cab models.
22. Check the spacing between the cab and bed. Remove each new cab bolt one at a time, apply Loctite to the threads and reinstall. Torque cab bolts to 95 ft-lbs.

### Step 24 Note

If an assistant is available, the bed can be lifted manually to install the new spacers. New bed hardware is located in pack #275.

23. Loosen but do not remove all of the bed mount bolts. All of the bed bolts are accessed from the bottom of the frame mounts. The mounts to the rear of the rear axle are accessed through holes in the boxed frame.
24. Remove the passenger's side bed mount bolts. Using a hydraulic jack and a block of wood, carefully raise the passenger's side of the bed until the provided 1.5" tall body spacers can be installed between the bed and factory body mount. Loosely fasten the bed through the factory mounts and new spacers with 12mm x 90mm bolts and washers. **Figure 17**



Figure 17

25. Repeat the bed lift procedure on the driver's side.
26. With both sides of the bed lifted, locate the plastic frame pads where the bed crossmembers rested on the frame. **Figure 18** Depending on the bed length there will be either one or two of these per side. Remove these pads from the frame.



Figure 18

27. Locate the provided 5/16" x 1/2" self-tapping bolts. Thread the bolts in the frame pad holes, cutting threads into the holes. Remove the bolts and use them to install the provided 1.5" steel spacer bolts. **Figure 19** Tighten the self-tapping bolts securely.

### Step 27 Note

Hardware is located in pack #276.



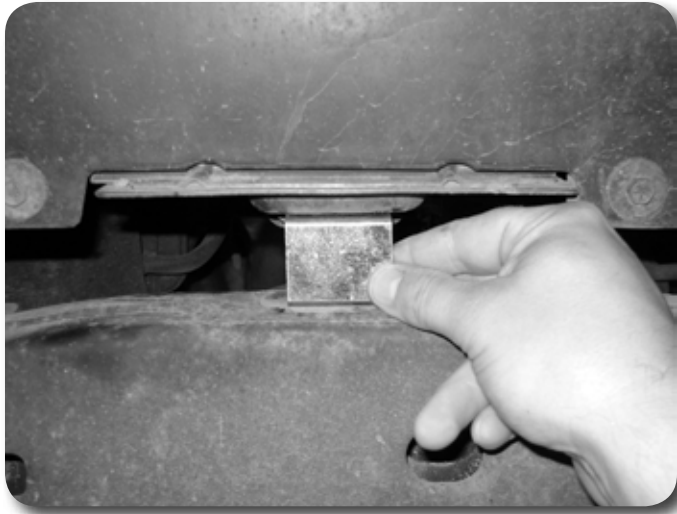


Figure 19

28. Check the spacing between the bed and cab. Remove each new bed bolt one at a time, apply Loctite to the threads and reinstall. Torque cab bolts to 60 ft-lbs.

## » RADIATOR

29. Locate the factory radiator side support brackets that were removed earlier. Remove the rubber mount grommet from each bracket. **Figure 20A** Position the grommets on the new provided radiator side support brackets and fasten with the provided 1/2" x 1-1/2" button head bolt and lock nut. The head of the bolt with go through the grommet. Only tighten hardware enough to position the grommet and not deform it. **Figure 20B**



Figure 20A

### **Radiator Relocation Note**

All new radiator mount hardware is located in pack #276.

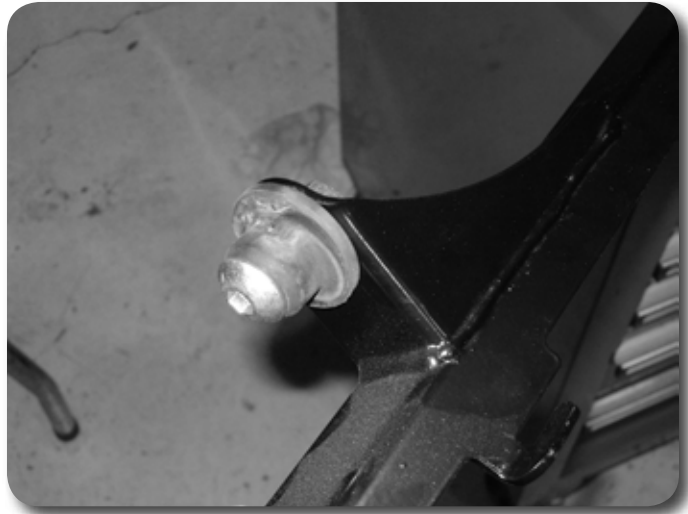


Figure 20B

30. Install the new radiator side support brackets, starting with the driver's side.  
**Figure 21A** Make sure the bottom key hole slot fits over the tab on the radiator.  
**Figure 21B** With a screw driver, remove the old square nut from the top of the radiator and install the new provided one. Fasten the top of the support brackets to the radiator with the provided 5/16" x 7/8" bolts and washers. **Figure 21C** Torque hardware to 10-15 ft-lbs.



Figure 21A - Passenger's Side Shown



Figure 21B

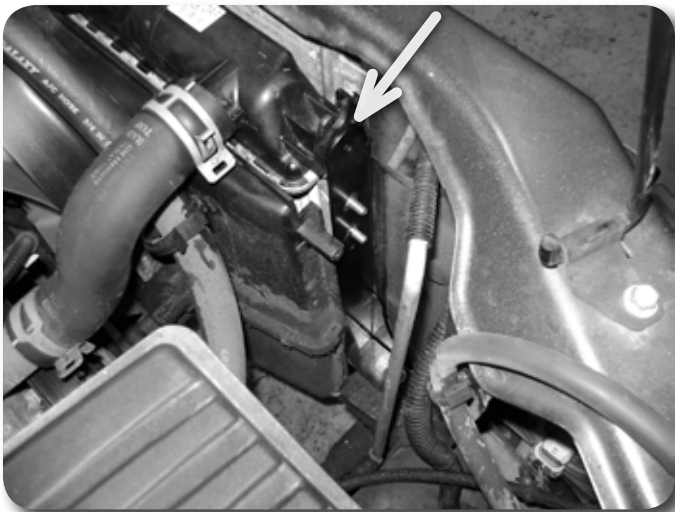


Figure 21C

31. Locate the provided fan shroud retainer plates. Ensure that the lower portion of the fan shroud is positioned in the factory retaining tabs. Attach the new retainer plates to the studs on the new side support bracket and fasten with the provided 1/4" nuts and washers. **Figure 22** Be sure the shroud tab is in the large hole in the retainer plate and torque the hardware to 10 ft-lbs.

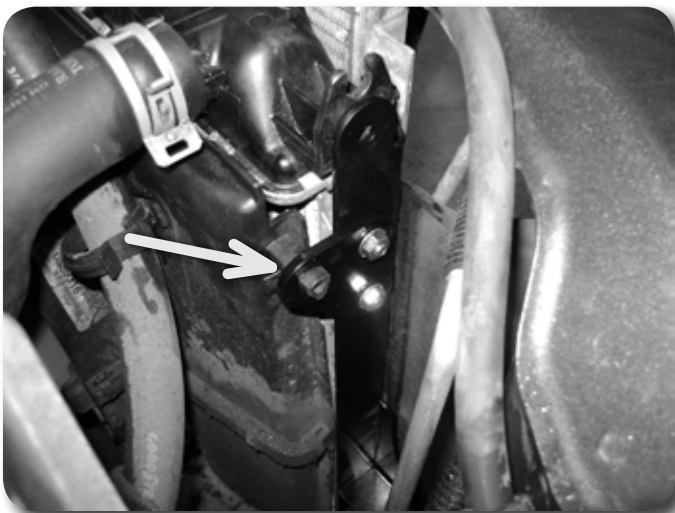


Figure 22

32. Working from the front of the radiator, install the AC condenser on the new radiator support brackets. Position the lower tabs into the new bracket mounts **Figure 23A** and place the condenser over the mounting studs at the top. **Figure 23B** Fasten the condenser to the studs with 1/4" nuts and washers. Torque hardware to 10 ft-lbs.



Figure 23A

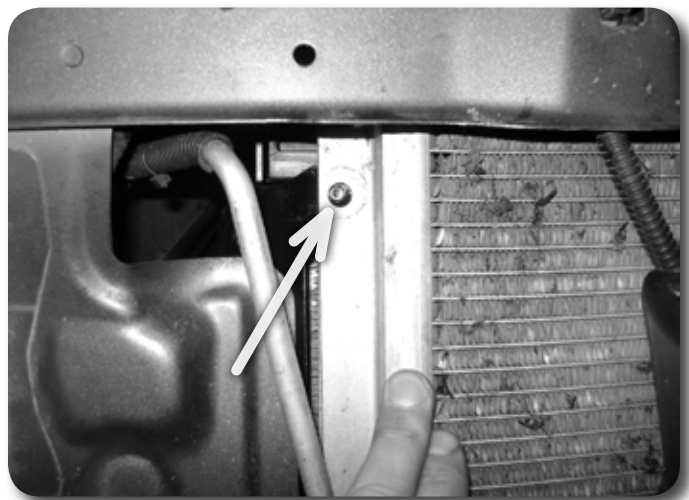


Figure 23B

33. Locate the factory top-center radiator bracket. Remove the mounting bolt and bracket from the core support. Save bolt. **Figure 24A** Remove the rubber grommet from the factory bracket and install it in the new provided bracket. Attach the new support bracket to the core support with the factory hardware and torque to 10 ft-lbs. **Figure 24B**

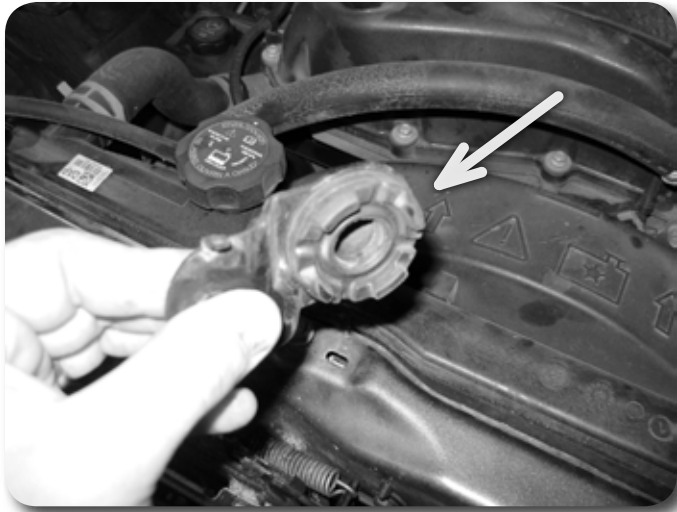


Figure 24A



Figure 24B

34. With the radiator install complete, check fan clearance and all radiator/AC condenser lines/hoses for proper clearance.
35. Reinstall the hood latch and horn to the core support with the factory hardware. Torque hardware to 15 ft-lbs.

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## » FRONT BUMPER

Front Bumper Relocation Note: There are several ways to relocate the front bumper with varying degrees of modification. Relocating the bumper up the proper 1.5" causes a clearance issue between the lower factory bumper valance and the bottom of the frame horn. To fix this, either the frame or the valance must be trimmed. Functionally and aesthetically, trimming the frame is the best route. If you do not want to do this, trim the valance to clear the frame in the bumpers new location. With this method, the front tow hooks will not be reused. Follow the remaining steps to properly modify the frame horn to clear the front bumper without valance trimming and also steps to relocate the factory front tow hooks.

36. The front end portion of each frame horn must be trimmed to properly clear the bumper after it is relocated. Make a cut mark through the horizontal center of the frame rail. Make a vertical cut line 4-1/4" back from the front face of the frame horn. **Figure 25** Cut along the lines, removing the front lower portion of the frame rails.

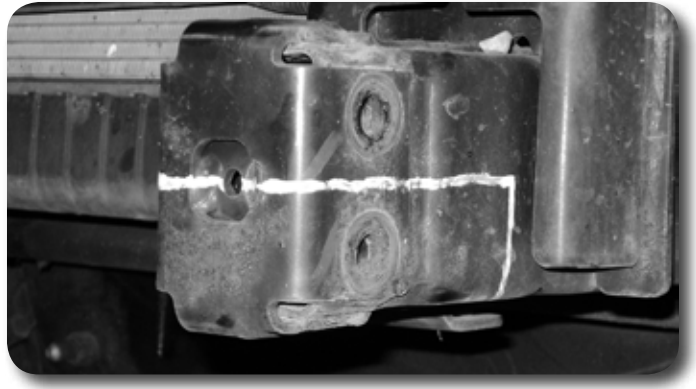


Figure 25

### Step 37 Note

If you do not wish to reuse the factory tow hooks, this step can be skipped.

37. Locate the provided frame horn gusset. This gusset fills the void left from the frame horn trimming and strengthens the area for the tow hooks to be reinstalled. Position the gusset into the void and line up the top of the gusset to the bottom edge of the cut. The short end of the gusset will set in the recessed area of the frame. Tack weld the gusset in place. Figure 26A



Figure 26A

38. Check the position of the frame horn gusset and then fully weld along all edges. Allow area to cool and paint. Figure 26B



Figure 26B

39. Locate the new tow hook relocation plate. Position the plate on the inside of the frame horn, lining up the lower front hole with the original upper tow hook mount hole. With the front and bottom edges square to the frame edges, mark the back hole to be drilled. **Figure 27** Remove the bracket and drill at the mark through both the inner and outer surfaces of the frame horn.

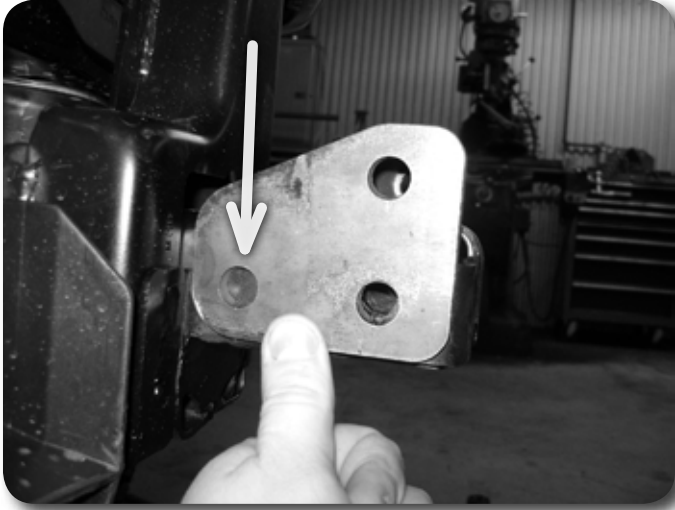


Figure 27

40. Fasten the tow hook relocation through the back hole/frame with a factory tow hook bolt/nut. Fasten the tow hook to the front two holes, the bottom going through the bracket and frame with a factory bolt/nut and top with a provided 12mm x 50mm bolt, nut and washers. Once installed, torque all hardware to 65 ft-lbs. **Figure 28**

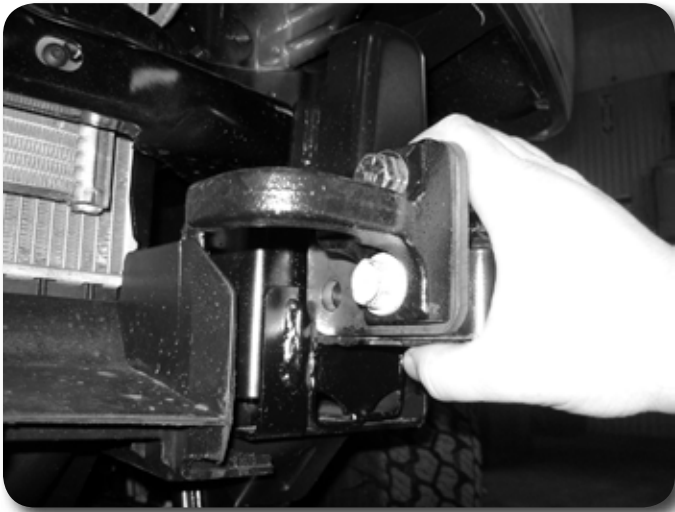


Figure 28

41. Locate the provided front bumper side support brackets. Mount the brackets to the factory bumper supports at each frame rail with provided 10mm x 25mm bolts and 3/8" USS washers. There is a tab on the bottom of the new bracket that locates it on the factory bracket. **Figure 29** Using the new bracket as a guide, mark and cut the end of the factory bracket. Paint any bare metal to prevent corrosion. Torque the factory bolt to 40 ft-lbs.

### Front Bumper Note

All new front bumper mount hardware is located in pack #276.



Figure 29

42. Locate the outside support brackets on the front bumper. These brackets must be trimmed to match the trimmed frame bracket. Measure back from the top-front mounting hole 3/4" and make a vertical cut line. **Figure 30** Cut the bracket along the line. Paint any bare metal to prevent corrosion.



Figure 30

43. Locate the provided 2" diameter x 1.5" tall front bumper spacers. Place the spacer on top of the four factory front bumper mount points. Position the bumper on the spacers and fasten with the provided 10mm x 60mm bolts and washers. Leave hardware loose.
44. Attach the bumper side support brackets to the new relocation bracket on the frame rails with provided 10mm x 25mm bolts, nuts and 3/8" USS washers. Leave loose.
45. Adjust the side to side position of the front bumper and torque all six 10mm mounting bolts to 45 ft-lbs.
46. Locate the factory front skid plate. The front lip must be trimmed to clear the bumper in the new raised position. Make a cut mark across the front of the skid plate between the two vertical side edges. Trim the skid plate along the line. **Figure 31**





Figure 31

47. Install the modified skid plate to the original position using the factory hardware. Torque hardware to 25 ft-lbs.
48. If equipped, connect the driving light wiring harness to the lights in the bumper.
49. Reinstall the grill. Be sure to connect the upper headlight assembly wiring.

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### » REAR BUMPER RELOCATION

If installing an optional rear bumper relocation kit #C9907 (04-07 models) or #C9906 (08-12 models) do so now following the instructions supplied with each kit.

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### » OPTIONAL TRIMMING FOR LARGE TIRES

50. Some large tire and/or low backspaced wheel application will require additional trimming for proper fit. This trimming will take place with the body mount at the rear of the front wheel well. This mount protrudes into the wheel well and can contact large tires (33") when turning.
51. Locate the body mount at the rear portion of the front wheel wells. The mount is oversized and has non-essential material that can be trimmed away without affecting the strength of the mount. Mark and trim the mount as shown in Figure 32, 33. Paint bare material to prevent rust.



Figure 32



Figure 33

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### » FINAL STEPS

52. Reconnect the battery.
53. Double check all hoses, wires, cables, etc for proper slack and routing.
54. Check all hardware for proper torque.
55. Check for proper tire clearances.
56. Check hardware after 500 miles.

### Post-Installation

1. A front end alignment must now be performed.
2. 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.