



## #C9316, C9317 Installation Instructions 1992-1998 Suburban/Tahoe/Yukon 3" Body 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.

#### Difficulty Level

easy 1 **2** 3 4 5 difficult

Estimated installation: 3-4 hours

#### Special Tools Required

None

#### » 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.

rev100809

## Kit Contents

Qty	Part
12	3" x 3" Body Lift Block
1	Bolt Pack - Body Mounts - #213
1	Bolt Pack - General - #215
1	Front Bumper Bracket
1	Front Bumper Bracket
2	Front Outside Bumper Bracket
2	Transmission cooler relocation - top
2	Transmission cooler relocation - bottom
1	Steering Extension (92-94 models - C9317)
1	Steering Extension (95-98 models - C9316)
2	Fan Shroud Bracket
4	Fan Shroud Spacer Tube
1	Parking Brake Cable Bracket
1	2" x 4" Fuel Filler Extension
1	0.625 x 0.083 x 5.000 Vent Tube Extension
2	#36 Hose Clamp
2	#12 Hose Clamp
1	Shift Linkage Extension (92-94 models - C9317)
2	1/8" x 3/4" Roll Pin (92-94 models - C9317)



## INSTALLATION INSTRUCTIONS

1. Remove positive and negative battery cables. If equipped, the Supplemental Restraint System will be deactivated when the battery is disconnected.
2. Note the location of the front and rear bumpers in relation to the front/rear of the vehicle for use in alignment during installation.
3. Rear bumper relocation kit is available separately from Zone Offroad Products. Zone #C9919. Follow the instructions include with the bumper relocation kit and preform the installation after the body lift installation is complete.

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### » GRILL REMOVAL

1. Remove the four screws holding each of the turn signal lamps to the grill. Remove the turn signal lamps from the grill and disconnect the bulb from the lamp housing. Save screws.
2. Locate the grill mounting screws along the top of the core support and in the middle of the grill face (typically a total of 5 screws). Remove all of the mounting screws. Save screws.
3. There are retaining tabs along the bottom of the grill the snap into the filler panel located between the grill and the front bumper (typically 3 total). The outside clips can be accessed through the turn signal opening. Pull up on the tab and out on the grill to release. The middle clip can be released by sliding a narrow screw driver, putty knife, etc between the center of the grill and the filler panel

Figure 1- Tab Locations.



Figure 1

4. Pull the grill free from the vehicle (remove any additional wires necessary).
5. Remove the screws (typically 5) mounting the filler panel to the core support and remove the filler panel from the vehicle. Save screws.

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### » FRONT BUMPER REMOVAL

6. Remove lower shroud located between the radiator and the front bumper. **Figure 2** This provides access to the inside bumper bolts.

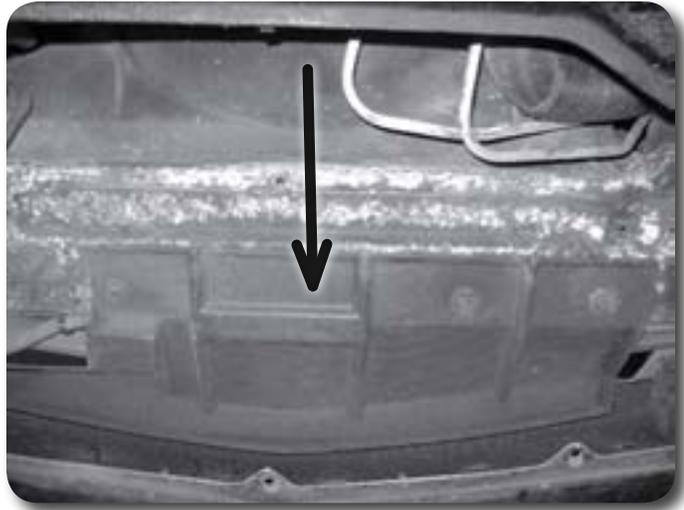


Figure 2

7. If equipped, remove the front tow hooks from the frame. **Figure 3** Save hardware.

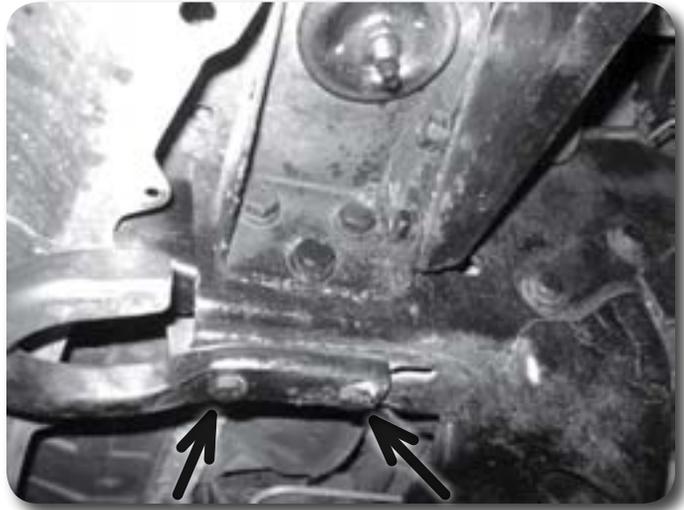


Figure 3

8. Remove any wires that may be attached to the bumper.
9. Break loose but do not remove the bolts attaching side bumper brackets to the bumper. Remove side bumper bracket hardware at the frame and swing the brackets out away from the frame. **Figure 4** Save hardware.

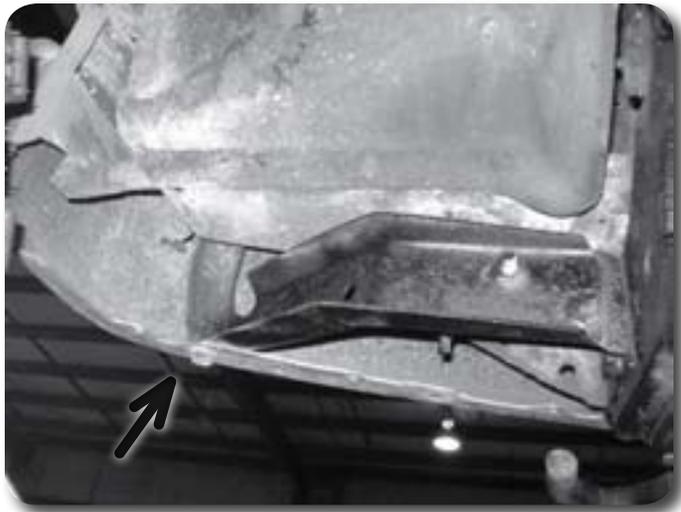


Figure 4

10. Remove the six (three per side) bumper mounting bolts attaching the bumper to the frame and separate the bumper from the vehicle **Figure 5**. Save hardware.
11. Remove the two bolts that mount the inside bumper brackets to the bumper and remove the brackets from the bumper. **Figure 5** Save any factory bracket-to-frame shims that may be installed. Save hardware and discard the brackets.

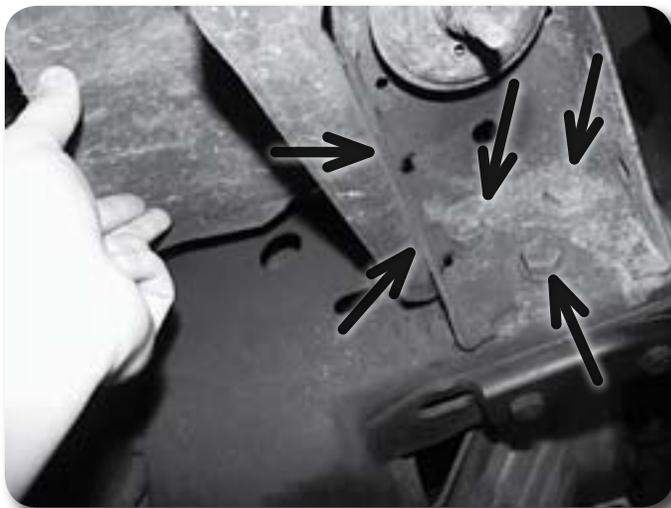


Figure 5

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## » OIL COOLER

12. If equipped, remove the four bolts mounting the transmission oil cooler to the core support. Allow the cooler to hang down out of the way **Figure 6**. Save hardware.

### Step 12 Note

Vehicles equipped with a transmission oil cooler may require additional modifications to the engine fan shroud and/or grill/filler panel. These modifications vary from vehicle to vehicle. Check everything for proper clearance during installation and make necessary adjustments.

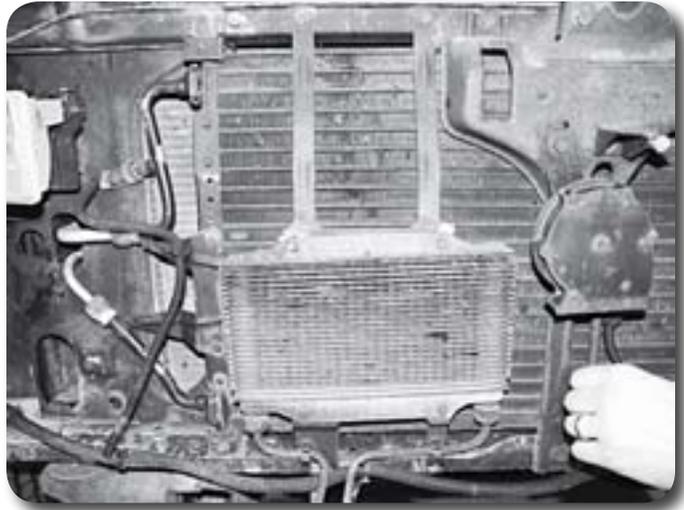


Figure 6

### » STEERING EXTENSION INSTALLATION

13. Lock the steering wheel. Remove bolt and nut attaching the steering shaft to the steering column. This bolt is located about 8 inches down from the firewall. Slide the steering shaft down away from the steering column. *Do not rotate either shaft.*
14. **92-94 Models:** Install the provided steering extension in the upper steering column shaft and fasten with a 3/8" x 1-1/2" bolt, nut and 3/8" SAE washers. Install the lower steering shaft on the extension and fasten with the factory steering shaft bolt. Torque the 3/8" and factory hardware to 30 ft-lbs **Figure 7A**. **95-98 Models:** Install the provided steering extension in the upper steering column shaft and fasten with the factory steering shaft bolt. Install the lower steering shaft in the extension and fasten with the 3/8" x 1-3/4" bolt, nut and 3/8" SAE washers. Torque the 3/8" and factory hardware to 30 ft-lbs **Figure 7B**.

#### Step 13,14 Note

Steering Extension hardware is located in hardware pack #215.



Figure 7A



Figure 7B

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### » FAN SHROUD REMOVAL

15. Separate lower and upper halves of the radiator fan shroud. There are four bolts attaching the two halves and 2-3 attaching the lower shroud to the body **Figure 8**. Remove lower shroud from the vehicle, it will be modified and reattached later.

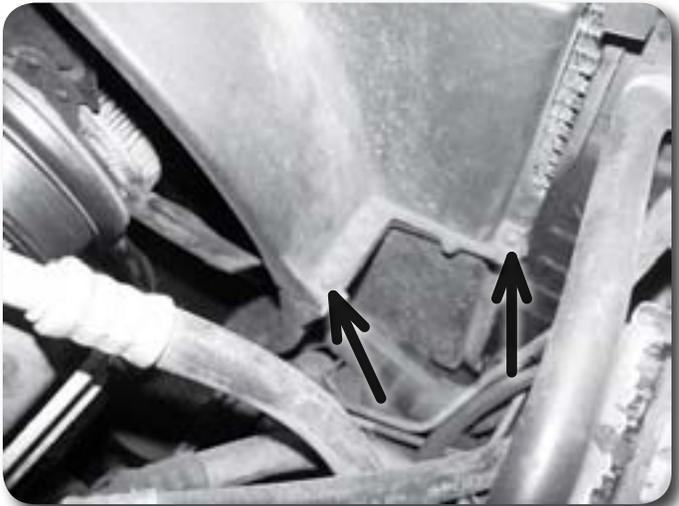


Figure 8

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### » PARKING BRAKE CABLE REMOVAL

16. Separate the parking brake cable at coupler just below driver's side door. Pull down on the parking bracket cable to gain slack in the cable. Clamp the cable to keep it from retracting back in. Remove the front half of the cable from the coupler. **Figure 9**



Figure 9

17. Remove front half of cable from the body mount bracket by compressing the retaining clip with pliers and pushing it through the mount Figure 10.



Figure 10

18. Run the cable up over the body mount. It will be relocated and reattached later.

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## » TRANSMISSION

19. **92-94 Automatic Transmissions:** Remove the shift linkage connecting the steering column to the transmission Figure 11. Remove the retaining pin at the transmission and remove the linkage. Loosen the adjusting bolt and slide the rod out of the adjuster sleeve.



Figure 11

20. **95-98 Automatic Transmissions:** Transmission is equipped with a cable shift that must be pulled through the floorboard to gain slack for lifting. Remove the front seat. There are four bolts mounting a bucket seat and eight for a bench seat. Remove the doorjamb scuff plates and pull back the carpet. A plastic locating clip is glued to the shift cable at the floorboard. Break the clip off the cable and slide the cable through the boot as much as possible. Replace the carpet and reinstall the scuff plates and front seat.

**Standard Transmissions:** No modifications needed.

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## » TRANSFER CASE

21. **Manual Transfer Cases:** Shift into 2-HI position and remove the shift linkage from the shift lever. Carefully pry the shift linkage end out of the plastic retainer on the shift lever. **Figure 12** This linkage will be adjusted later.



Figure 12

**Electronic Transfer Cases:** No modifications needed.

22. Remove all wiring and steel lines from the clips on the driver's side frame rail. Check for other wires or hoses that may need to be disconnected or relocated before lifting.

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## » FUEL FILLER

23. Disconnect fuel filler neck from the body Figure 13.



Figure 13

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## » CAB LIFT

24. Loosen but do not remove all cab mount bolts. All mounting bolts thread up into the cab except the two front bolts at the core support which are mounted downward. The front bolts are accessed through a hole in the body Figure 14. Remove only one side at a time. Lift one side of cab using two hydraulic jacks with wooden blocks. Slowly raise cab, checking for any wires or hoses that may be binding or stretching. Lift cab just high enough to install body spacers.



Figure 14

### Step 25 Note

All body mount hardware is located in hardware pack #213

### Step 26 Note

If the vehicle is equipped with aftermarket step bars that mount off the body mounts, longer mounting bolts may be required in those locations

### Step 28 Note

Refer to steps 13 and 14.

25. Use 12mm x 180mm bolts and 7/16" USS washers in the rear cab mounts in combination with the factory hardware. The front mount uses the thick 1-3/4" diameter washers on the bolt that is installed from the top through the access hole in the body. Reinstall the factory hardware with a 7/16" USS washer and 12mm lock nut. *Do not tighten cab mounting bolts at this time.*
26. Repeat installation procedure for other side of vehicle.
27. Inspect the body to see that it is properly aligned to the frame. Torque all cab mount bolts to 65 ft-lbs. *Use Loctite on all body mount hardware.*
28. If the steering extension installation was not completed earlier, do so now. The factory linkage end may need to be cleaned to remove corrosion/paint build-up for proper fitment of the extension. (Extension should fit tight.)

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## »» **AUTOMATIC TRANSMISSION**

### **92-94 Models**

29. Attach the transmission linkage extension. Install the linkage extension on the steering column end of the shift linkage by aligning the flats on the extension with those on the linkage. Make certain the extension slides all the way on. In most cases the end of the shift linkage is mashed so that the adjuster will not come all the way off. Cut 1/2" off of the shift linkage to remove the adjuster  
Figure 15.



Figure 15

30. Using a 1/8" drill bit, drill a hole in the linkage using the hole in the extension that is lined up with the flat as a template. Drill all the way through the linkage and extension.
31. Insert a 1/8" x 3/4" roll pin through the extension and the linkage.
32. Using the second hole in the extension as a template, drill another 1/8" hole through the linkage and extension. Insert a 1/8" x 3/4" roll pin in the second hole.
33. Slide the extension into the adjuster sleeve at the steering column. Do not tighten the adjuster bolt.
34. Reattach the linkage to the transmission.
35. Adjust the linkage at the adjuster sleeve so that the indicator on the dash reads correctly and the transmission engages in all gears properly. Tighten the adjuster bolt.

### **95-98 Models**

36. Check to see that the shift cable is not binding and has pulled through the floorboard without pulling on the boot.

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## »» **MANUAL TRANSMISSION**

37. The vehicle is equipped with a hydraulic clutch and will require no modification. Check gear shift operation to see that it completely engages in all gears. If there is difficulty engaging the transmission in certain gears, remove the shift boot and note where the lever is hitting the floorboard. Notch the floorboard for adequate clearance of shift lever. Reinstall the shift boot.

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## »» **TRANSFER CASE LINKAGE ADJUSTMENT**

38. Adjust transfer case linkage. Turn the linkage out to where the end can be reinstalled in the plastic retainer on the shifter. Use pliers to reinstall the end securely.

## 'Oil Cooler Relocation'

Oil cooler hardware is located in hardware pack #215.

### » OIL COOLER RELOCATION (IF EQUIPPED)

39. Attach the provided 2" straight oil cooler drop brackets to the original top cooler mount using the factory bolts. Leave hardware loose **Figure 16**. The studs in the new bracket should be point forward.
40. Attach the provided 2" offset oil cooler drop brackets to the original bottom cooler mounting holes in the core support using the factory hardware **Figure 16**. Torque hardware to 15 ft-lbs. The studs in the new bracket should be point forward.
41. Install the oil cooler on the four brackets and fasten with 1/4" nuts and 1/4" USS flat washers. Torque 1/4" nuts and remaining factory bolts to 15 ft-lbs.

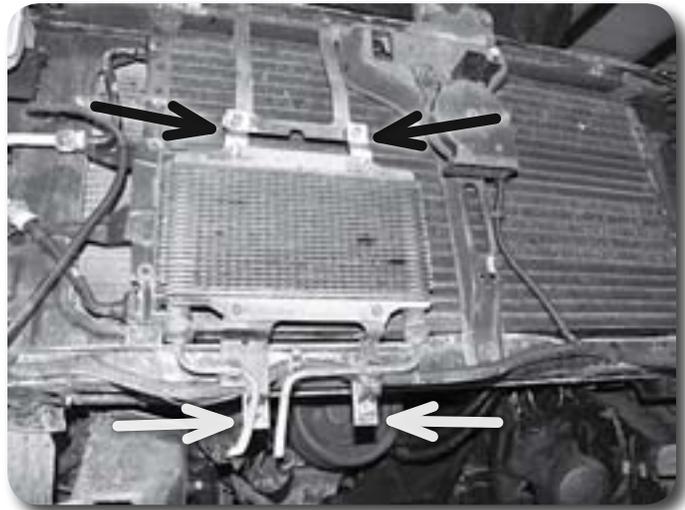


Figure 16

## 'Fan Shroud Installation'

All fan shroud hardware is located in hardware pack #215

### » FAN SHROUD INSTALLATION

42. Minor trimming of the lower fan shroud may be required. Remove any material protruding out past the lower mounting tabs on the shroud **Figure 17A**. This will provide clearance for drop brackets. Material may also need to be removed on the passenger side of the shroud to provide clearance for body **Figure 17B**.

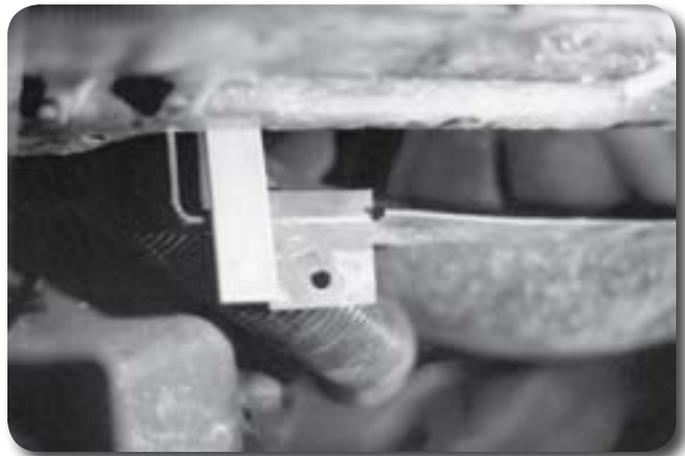


Figure 17A



Figure 17B

43. Remove the top fan shroud half from lower fan shroud. Drill out the four mounting holes that secure the two halves together with a 3/8" drill. (4 holes per shroud half, 8 total)
44. Install the 3" fan shroud adapter brackets with factory fasteners at the two original lower mounting holes. The 1/4" stud on the bracket will point back toward the engine. **Figure 17A** Attach lower shroud to studs on drop brackets and fasten with 1/4" flat washer and nut.
45. Using four 3/8" x 4-1/2" bolts and four 3" tall steel spacers reattach the two halves of the fan shroud. Use 3/8" SAE washers on both sides of the plastic shroud tabs and fasten with 3/8" lock nuts **Figure 18**. Tighten the 3/8" hardware just enough to snug the assembly. Do not over-tighten.

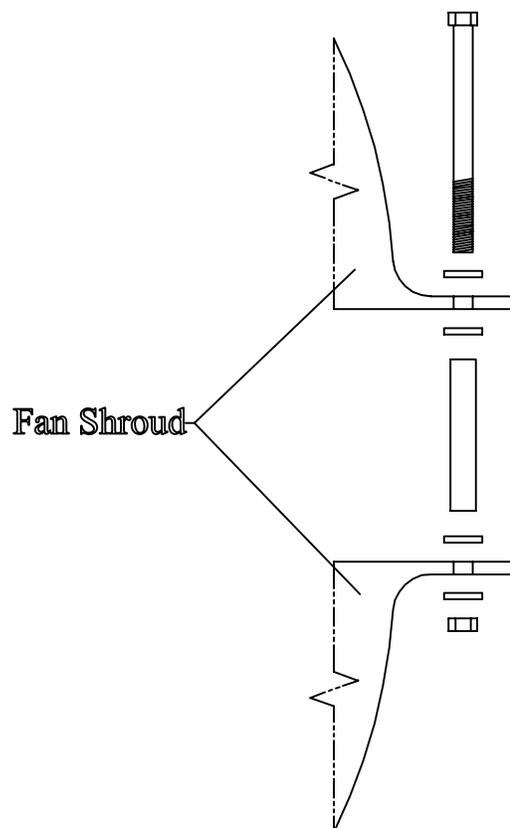


Figure 18

## » FRONT BUMPER INSTALLATION

46. Install the provided outside bumper relocation brackets to the original mounting holes in the front body mount with the stock hardware. The offset in the bracket should go toward the front of the vehicle. Leave hardware loose.
47. Install any factory shims **Figure 19** on the new main bumper brackets that were removed with the original brackets. Loosely install the new front bumper brackets **Figure 20** in the frame using the original mounting holes and stock hardware.



Figure 19

48. Install the bumper on the new main brackets with the original mounting hardware. Leave hardware loose.



Figure 20

### Step 49 Note

Front bumper bracket hardware is located in hardware pack #215.

49. Swing the outside support bracket in to the new side relocation brackets and fasten with 7/16" x 1-1/4" bolts, nuts and 3/8" USS flat washers. Leave hardware loose.
50. Adjust the bumper to the proper position using the reference dimensions noted earlier. Tighten the original frame-to-bumper bracket bolts to first, followed by the bracket-to-bumper bolts. Torque factory bumper bolts to 85 ft-lbs. Torque the side bumper bracket hardware to 45 ft-lbs.
51. The front valance will need to be trimmed to clear the front tow hooks (if equipped). Trim the valance enough to clear the tow hooks when installed in

their original location. Reinstall the tow hooks with the factory hardware and torque to 60 ft-lbs.

## » FUEL FILLER EXTENSION

**WARNING: Gasoline is flammable. Use extreme caution when working around fuel lines and tanks. Any sparks could ignite fuel or fuel vapor, causing an explosion or fire resulting in personal injury or death. Clean up all fuel spills.**

52. Disconnect filler and vent tubes from fuel tank and remove them from the vehicle. Cut the rubber hoses in half. Insert the filler (2" OD x 4") and vent (5/8" OD x 5") extension in both halves of the hoses and secure with the hose clamps provided.
53. Reinstall filler and vent tubes to tank and the filler neck to the body. Tighten all fasteners and clamps securely. Reattach the fuel filler ground strap to the body with the original hardware.

### Step 52 Note

Be sure there is an adequate amount of extension engaged in each half of the hoses.

## » PARKING BRAKE CABLE RELOCATION

54. Reroute the parking brake cable up over the cab mount.
55. Using the relocation bracket as a template, mark the two lower mounting holes on the frame cab mount bracket. Drill 3/8" holes and mount the bracket using 3/8" x 1" bolts, nuts, and 3/8" SAE washers **Figure 21**.



Figure 21

56. Run the parking brake cable through the large round hole in the bracket and push it through until the retaining clip locks in place.
57. Reconnect the front parking brake cable to the coupler. Adjust the parking brake cable to manufacturer's specifications.

## » POST INSTALLATION PROCEDURES

58. Reattach battery cables, positive first. Be sure that they have adequate slack.
59. Perform final visual check to ensure all wires and hoses are reconnected and have adequate slack.

### Step 55 Note

Parking brake cable relocation hardware is located in hardware pack #215.

### 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. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 100 miles. Always inspect fasteners and components during routine servicing.