



## **C9352-C9353 Installation Instructions**

### **2003-2005 Chevy/GM 1500 2/4wd**

### **2006-2007CL Chevy/GM 1500 2/4wd**

### **3" Body Lift Kit**

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

1. 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**

2. 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.
3. You should never operate your modified vehicle under the influence of alcohol 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.

#### **Difficulty Level**

easy 1 2 **3** 4 5 difficult

Estimated installation: 6-8 hours

#### **Special Tools Required**

Cut-off tool or equivalent

#### **» PRE-INSTALLATION NOTES**

8. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
9. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
10. 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.
11. 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.
12. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
13. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first
14. 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.

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

## C9352-C9353 Kit Contents

Qty	Part
1	<b>Bolt Pack #204 (Spare Tire Winch)</b>
1	3/8"-16 x 1-1/4" carriage square neck bolt
4	3/8"-16 x 1-1/4" bolt
10	10mm flat washer thru-hardened
5	3/8"-16 prevailing torque nut
1	10mm-1.50 x 20mm bolt class 8.8
1	<b>Bolt Pack #205 (Front Bumper)</b>
4	7/16"-14 x 1-1/4" bolts
4	7/16"-14 prevailing torque nuts
8	3/8" USS flat washer
4	1/2"-13 x 1-1/4" bolt
4	1/2"-13 prevailing torque nut
8	7/16" USS flat washer
1	<b>Bolt Pack #207 (Rear Bumper)</b>
8	7/16"-14 x 1-1/2" bolts
8	7/16"-14 prevailing torque nut
16	7/16" USS washer
2	1/2"-13 prevailing torque nut
6	1/2"-13 hex nut
6	1/2" lock washer
10	1/2" SAE washer
2	1/2" USS washer
2	1/2"-13 x 1-1/4" bolt
2	3/8"-16 x 1-1/2" bolt
2	3/8"-16 prevailing torque nut
4	3/8" USS washer
2	14mm-2.00 x 110mm bolt class 8.8
2	14mm-2.00 prevailing torque nut
2	1/2"-13 x 1-1/2" round head square neck carriage bolt
4	1/2"-13 x 1-1/2" flat socket head cap screw
1	<b>Bolt Pack #208 (General)</b>
4	7/16" USS washer
2	7/16"-14 prevailing torque nut
2	7/16"-14 x 1-1/2" bolts
3	3/8"-16 x 1"
1	3/8"-16 x 1-3/4" bolt
4	3/8"-16 prevailing torque nut
8	3/8" SAE washer
1	5/16"-18 x 1" bolt
2	5/16" USS washer
1	5/16"-18 prevailing torque nut
2	5/16"-18 x 3/4" self-tapping screws type 23
2	1/4"-20 x 3" bolts
10	1/4"-20 prevailing torque nut
19	1/4" USS washer
6	1/4"-20 x 1" bolts
4	1/4" fender washer 1" OD
2	Wire Loom Clamp
1	<b>Bolt Pack #228 (Body Mounts)</b>
8	12mm-1.75 x 180mm bolts class 10.9
8	12mm-1.75 x 100mm bolts class 10.9
16	7/16" USS washer
2	1-3/4" OD 1/2" ID 3/16" Thk washer
2	12mm-1.75 prevailing torque nut
14	<b>3" x 3" Body Block</b>
4	<b>3" x 2" Body Block</b>
3	<b>3" Extension Bracket w/Stud</b>
2	<b>Outside Bumper Bracket Support</b>
1	<b>Parking Brake Bracket</b>
2	<b>Front Outside Bumper Bracket</b>
2	<b>Oil Cooler Relocation Bracket</b>
2	<b>L Shaped Fan Shroud Bracket</b>
2	<b>Rear Bumper Rectangular Washer</b>
2	<b>Safety Cable Extension Bracket</b>
4	<b>3" x 2" x 2" Metal Bend Spacer</b>
1	<b>Front Bumper Bracket (drv)</b>
1	<b>Front Bumper Bracket (pass)</b>
1	<b>Spare Tire Winch Bracket</b>
1	<b>Spare Tire Winch Bracket</b>
1	<b>Rear Bumper Bracket (pass)</b>
1	<b>Rear Bumper Bracket (drv)</b>
2	<b>3/8" x 2" Transmission Cooler Spacer</b>
1	<b>Fuel Line Relocation Bracket</b>
1	<b>2" x 4" Fuel Filler Extension</b>
2	<b>#36 Hose Clamp</b>
1	<b>Steering Extension</b>
4	<b>Zip Ties</b>
1	<b>Loctite</b>



## INSTALLATION INSTRUCTIONS

1. Remove negative battery cable, then positive battery cable from the battery. If equipped, the Supplemental Restraint System (airbags) will be deactivated when the battery is disconnected.

### » FRONT/UNDER HOOD

2. Remove the 7 plastic clips that mount the upper plastic core support cover to the core support **Figure 1**. Pull up on the center of the clip with a flat blade screw driver and then pull the clip out of the hole. Remove the cover from the vehicle. Save clips and cover.

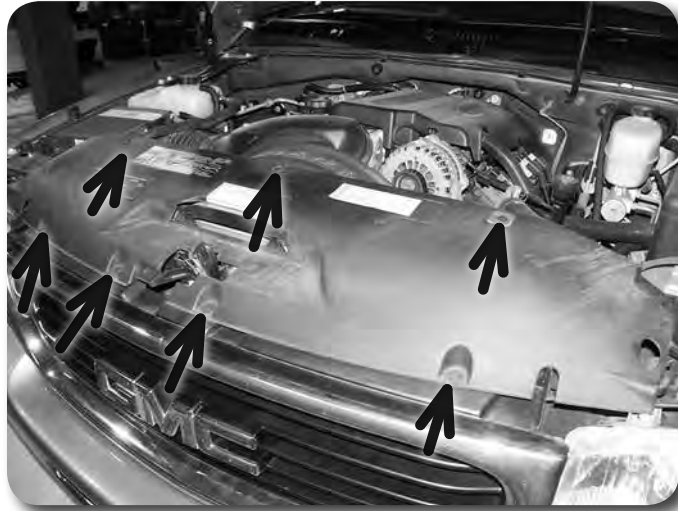


Figure 1

3. Remove the grill. Four Phillips head fasteners are located at the four corners of the grill face that require a quarter turn to release **Figure 2**. Remove the bolt at the top-center of the grill. Remove the grill from the vehicle by carefully pulling out the middle outside edges that are clipped in place.



Figure 2

4. Remove the two bolts and two plastic clips mounting the transmission cooler to the core support **Figure 3**. Pull the cooler forward, free from the core support mount. Save bolts.

### Step 4 Note

In some earlier models the bottom clips were replaced with standard bolts.

Not all models were equipped with transmission coolers.

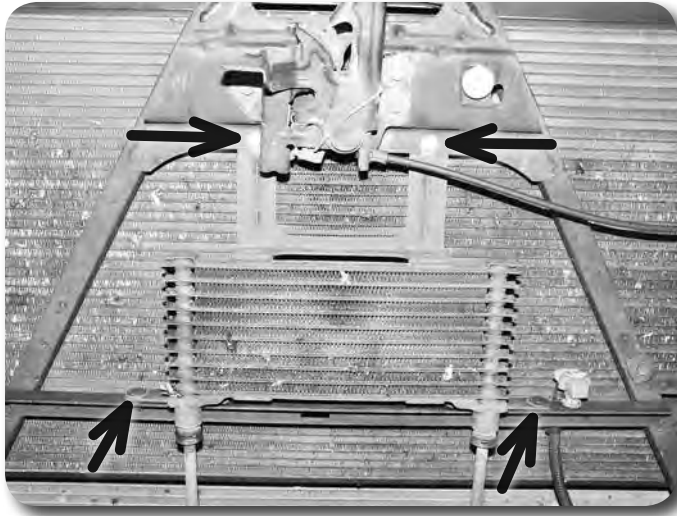


Figure 3

5. Remove the transmission cooler lines from the clips on the core support Figure 4.



Figure 4

6. Remove the air intake tube from the throttle body and the air filter box by loosening the hose clamps at each point. If equipped, remove the radiator hose clip that is attached to the middle of the air intake tube. Remove the intake tube from the vehicle.
7. Remove the bolts (2 or 4, depending on vehicle) mounting the top of the fan shroud to the core support Figure 5. Save bolts.
8. Pull up on the fan shroud to remove it from the bottom retaining clips. On some models, oil lines must be removed from retaining clips on the driver's side of the lower fan shroud.
9. Disconnect the ground strap from the driver's side firewall Figure 6. Save nut.



Figure 5

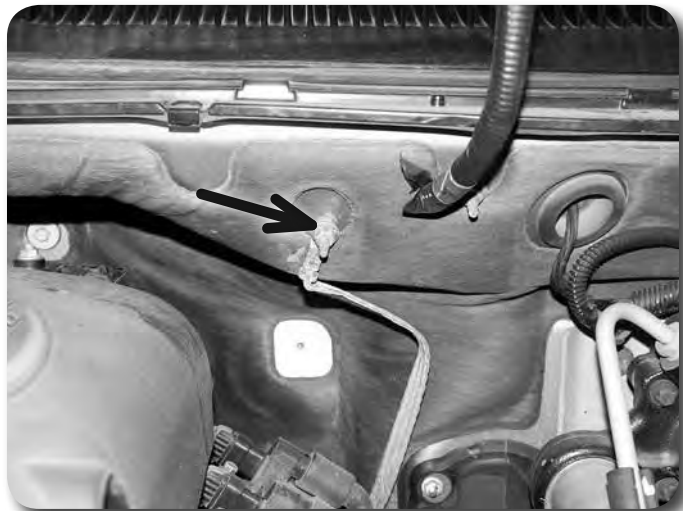


Figure 6

10. Lock the steering wheel. Locate the bolt that connects the upper steering column to the lower steering shaft **Figure 7**. Make a mark on each half for alignment during installation. Remove the bolt and separate the shafts by sliding the steering column up off the lower shaft. Save mounting hardware.



Figure 7

## » FRONT BUMPER

11. If equipped, disconnect the fog light wires from the light housings mounted in the front bumper **Figure 8**.
12. Remove the bolt (on each side) mounting the outside bumper support to the bumper. Remove the bolts mounting the support to the frame and remove the support **Figure 8**. Save the supports and hardware.

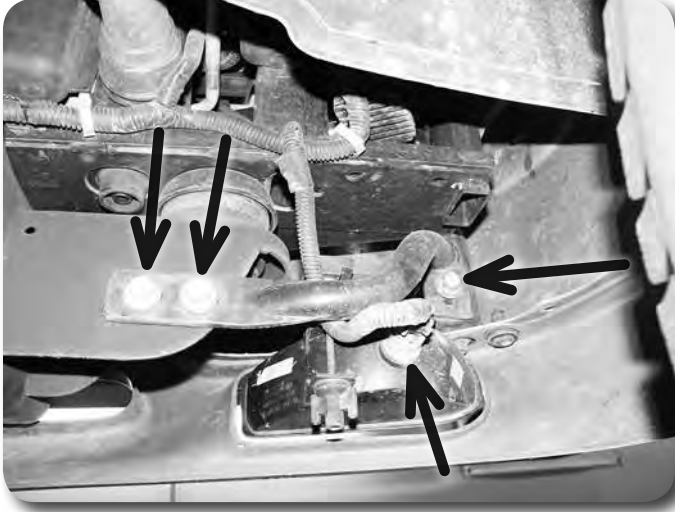


Figure 8

13. Since the grill was removed, the four inside bumper bolts (two on each side) can be accessed from above the bumper **Figure 9**. While supporting the bumper, remove the four bolts and separate the bumper from the vehicle. Save bumper mounting bolts.

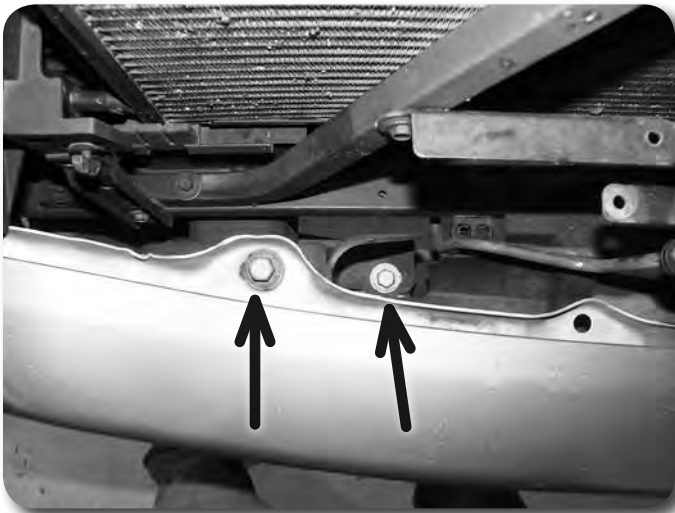


Figure 9

14. Locate the wire loom running along the bottom of the core support **Figure 10**. Remove the wire loom from the retain clips (approximately 4 total) and remove the clips from the core support. The clips will not be reused. Be sure that the lower portion of the fan shroud lip is clear from the bottom edge of the core support so it is able to drop while the body is lifted. If the vehicle is equipped with a front skid plate, removing the skid plate will aid in accessing the clips.

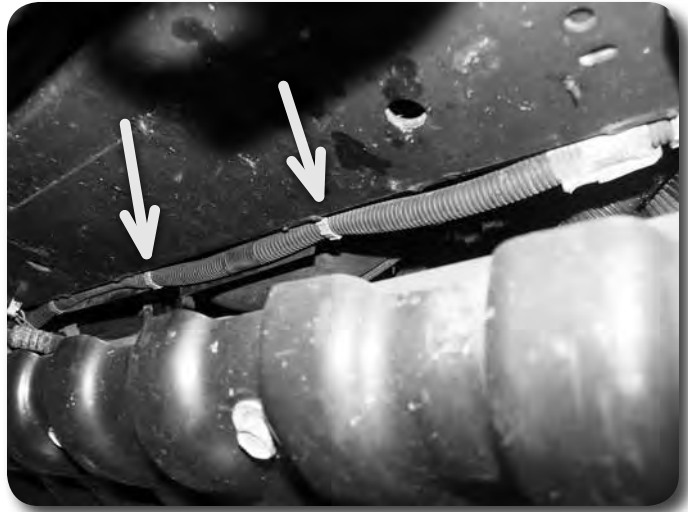


Figure 10

15. Locate the brake lines on the driver's side frame rail at the front driver's side wheel well. Remove the brake lines from the retaining clip **Figure 11**. Check for any other lines, hoses or wires in this area that may not have enough slack to compensate for 3" of lift. Mark these lines, hoses or wires and disconnect.



Figure 11

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## » **PARKING BRAKE CABLE**

16. Separate the parking brake cable at the coupler just below the driver's side door **Figure 12**. Loosen the parking brake adjuster to gain slack in the cable allowing the front half to be removed from the coupler. Measure the amount of thread on the adjuster for readjustment later. There will either be a tab or dimple retaining the end of the cable in the coupler flatten out the tab or dimple to remove the end.



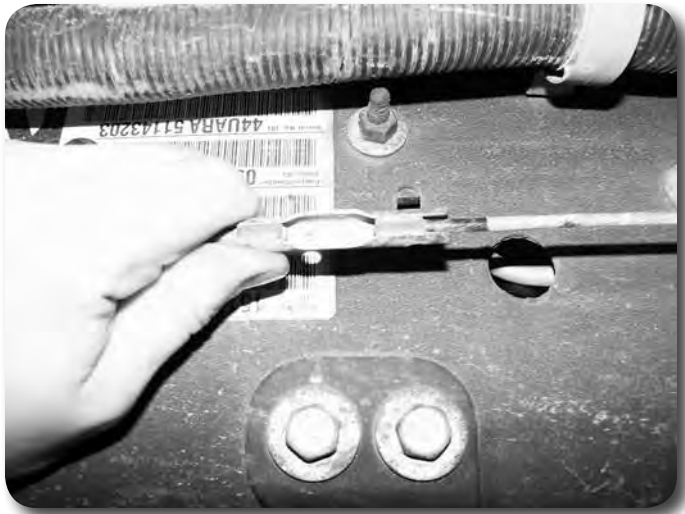


Figure 12

17. Remove the front half of the parking brake cable from the body mount. Compress the retaining tabs with pliers and push the cable through the hole **Figure 13**.
18. There is a ground wire(s) located next to the parking brake cable mounting hole **Figure 13**. Disconnect the wires from the mount.



Figure 13

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## » TRANSMISSION

### **Automatic Transmission**

19. Automatic Transmissions are cable actuated. Check for adequate slack before lifting. It may be necessary to remove one of the retaining clips that hold the cable to the floorboard under the carpet to obtain slack needed

### **Manual Transmission**

20. Manual transmission vehicles are equipped with a hydraulic clutch and require no modification

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## » TRANSFER CASE

21. *Electronic Shift:* No modifications necessary.
22. *Manual Floor Shift:* Disconnect the shift linkage, located between the shift lever and the transfer case, from the lever.

23. *Manual Floor Shift:* Disconnect the fuel line bracket from the transfer case just behind the shift assembly. Loosen but do not remove the upper bolt. Remove the lower nut and pull the bracket free from the lower stud. Save hardware.

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## » FUEL FILL

24. Disconnect the fuel filler neck from the body by remove the 3 screws **Figure 14**. Save the screws.



Figure 14

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## » REAR BUMPER

25. Lower the spare tire to the ground and remove it from the vehicle.
26. Disconnect the license plate lights from the bumper **Figure 15** and the license plate wiring harness from the retaining clips **Figure 16**.

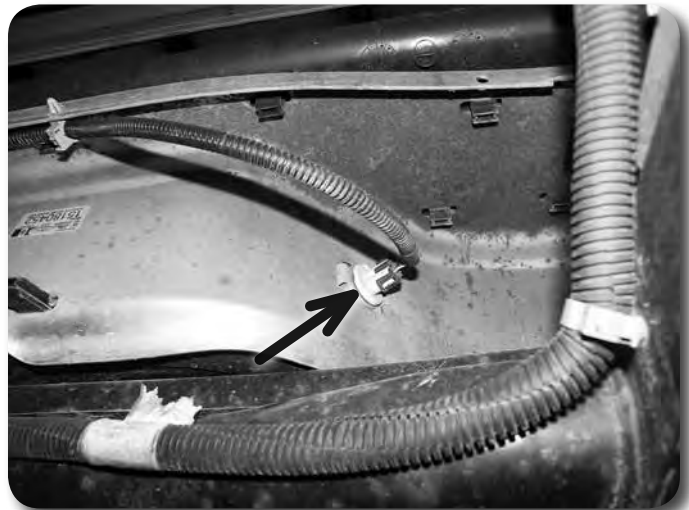


Figure 15

### Step 25 Note

Refer to owner's manual for proper spare tire removal procedure.



Figure 16

27. If the vehicle is equipped with a factory hitch, remove the two bolts that attach the hitch to the bumper.
28. Support the bumper so that it will not fall when the mounting hardware is removed.
29. Loosen the nut and bolt that secure the outside brackets to the bumper.
30. Remove the bumper mounting bolts from the frame. Three of the bolts are on the side of the frame and one on the bottom. The front mounting bolt is the top bolt for the spring hanger. Save hardware.
31. Separate the bumper from the vehicle.

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### » SAFETY CABLE REMOVAL

32. Disconnect the safety cables (if equipped) from the rear body mounts. They will be extended later. Save hardware.

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### » CAB LIFT

33. Loosen but do not remove all cab mount bolts. All mounting bolts thread up into the cab except the two front bolts which are mounted downward. The front bolts are accessed through a hole in the body.
34. Remove the passenger's side body bolts. Place a hydraulic jack (with wooden block) under the passenger's side so that the weight is evenly distributed on the jack. Slowly raise body, checking for any wires or hoses that may be binding or stretching. Lift the body just high enough to install the large 3" diameter body spacers.
35. For 03-05 models, use 12mm x 180mm bolts and 7/16" USS washers in all the body mounts in combination with the factory body bushing assemblies. 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. Fasten the front bolt with a 7/16" USS washers and 12mm nuts along with the factory bushing assemblies. For 06-07 models, use the same 12mm hardware for the front mount and the provided 14mm x 180mm bolts and 9/16" washers in the remaining 6 body mounts. Do not tighten body mount bolts at this time.
36. Repeat lift procedure for other side of vehicle.
37. Inspect the body to see that it is properly aligned on the frame and the bed. Remove each body bolt one at a time and apply Loctite to the threads. Torque all 12mm body mount bolts to 65 ft-lbs and 14mm body mount bolts to 90 ft-lbs.

#### Step 35 Note

All body mount hardware is located in hardware pack #228 for 03-05 models and #269 for 06-07 models.

#### Step 37 Note

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

### Step 39 Note

All bed mounting hardware is located in hardware pack #228.

### Step 41 Note

1/4" bed spacer hardware is located in hardware pack #208.

### "Front/Under Hood" Section Note

All provided hardware necessary for this section of the installation is located in hardware pack #208.

### Step 42 Note

Some models have an internal alignment tab that must fit in the groove that is cut into the steering extension

## »» BED LIFT

38. Loosen but do not remove all bed mounting bolts (six on short bed, eight on long).
39. Remove the bolts from one side of the bed. Using a hydraulic jack and a block of wood, lift the bed just high enough to install the body spacers. The two 2" diameter spacers with the 1/2" holes go on the rear mount. Install 12mm x 100mm bolts and 7/16" washers in the body spacers but do not tighten.
40. Repeat the lifting procedure for the other side of the vehicle. Align the bed to the cab and tighten all mounting hardware. Use Loctite® on all mounting hardware.
41. Remove the rubber pads from the frame where the bed's cross members originally rested (four locations). Place the metal body spacers at these locations. Attach the spacers to the frame with 1/4" x 1" bolts and lock nuts. Use 1/4" fender washers on the spacer hole and 1/4" USS washers on the frame. Tighten hardware to 10 ft-lbs.

## »» FRONT/UNDER HOOD

42. Install the provided steering extension into the lower steering shaft and fasten with the factory hardware Figure 17. Leave hardware loose.



Figure 17

43. Install the upper steering column shaft into the extension and fasten with the provided 3/8" x 1-3/4" bolt, nut and 3/8" SAE washers. Torque the 3/8" and factory hardware to 30 ft-lbs. Use Loctite on steering extension hardware.
44. Check the firewall ground cable for slack. It may be long enough to reattach with the factory nut. If more slack is required, install the provided extension bracket w/stud using the factory nut. Use serrated edge washer as shown to bite into the strap. Failure to do so may result in a poor ground. Attach the cable to the relocation bracket with the provided 1/4" nut and 1/4" USS washer. Torque the factory and 1/4" nuts to 10 ft-lbs Figure 18a, 18b.

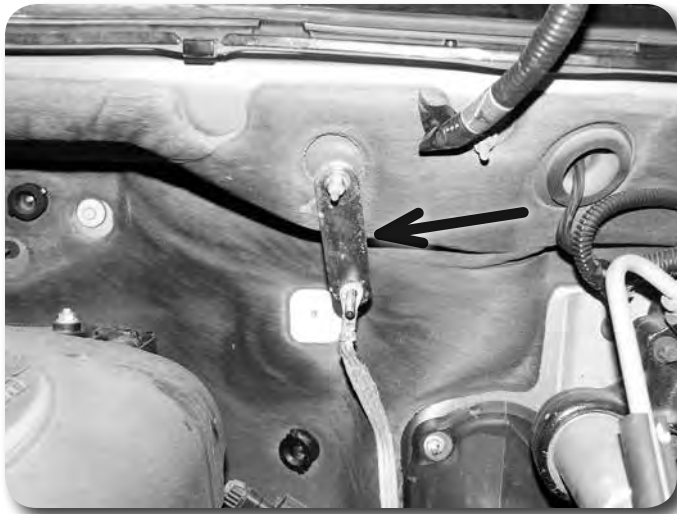


Figure 18a



Figure 18b

45. Install the new 3" fan shroud relocation brackets (same as bracket used in the previous step) to the original shroud mounting holes using the stock bolts **Figure 19**. Install the brackets so the studs point toward the engine compartment. Torque hardware to 10 ft-lbs.

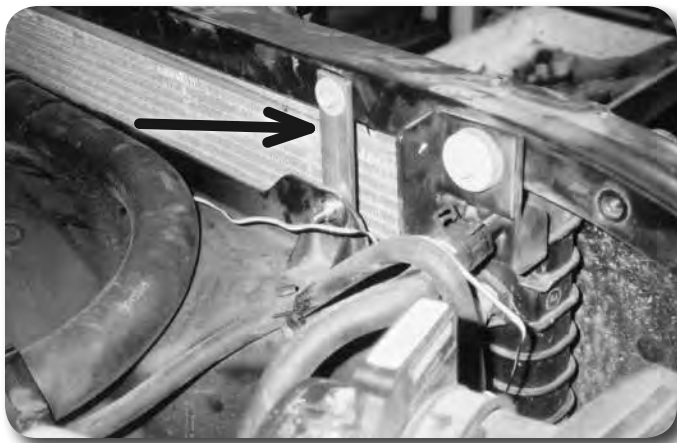


Figure 19

46. Mount the fan shroud on the relocation bracket studs and fasten with the provided 1/4" nuts and washers. Torque to 5 ft-lbs.
47. Attach new provided wire loom clamps to the wire loom running along the bottom of the core support.

### **Step 47 Note**

Clamps are supplied in hardware pack #208.

48. Mount the “L” shaped fan shroud relocation brackets and new wire loom clamps to the original wire loom clamp mounting holes using the provided 5/16” self-tapping screws. Tighten hardware securely.
49. Using “L” brackets as templates, mark and drill two 5/16” holes in the fan shroud. Mount fan shroud to the brackets with the provided 1/4” x 1” bolts, nuts and 1/4” USS washers **Figure 20**. Torque hardware to 5 ft-lbs.

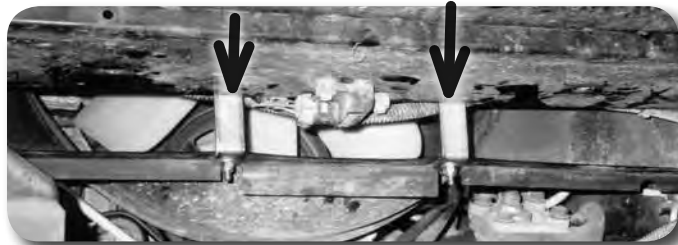


Figure 20

50. Double check fan-to-shroud clearance.
51. Reattach the air intake tube to the throttle body and air filter box with the factory clamps. Tighten clamps securely. If equipped, reattach the radiator hose to the intake tube.
52. Carefully remove the two nut clips from the top of the transmission oil cooler, turn them around and reinstall so they are now facing the opposite direction **Figure 21**.
53. Attach the provided 2” relocation brackets to the cooler using the repositioned nut clips and factory bolts. The threaded stud on the relocation bracket should be facing out away from the radiator **Figure 22**. Be sure the relocation brackets are vertical and torque the factory bolts to approximately 15 ft-lbs.

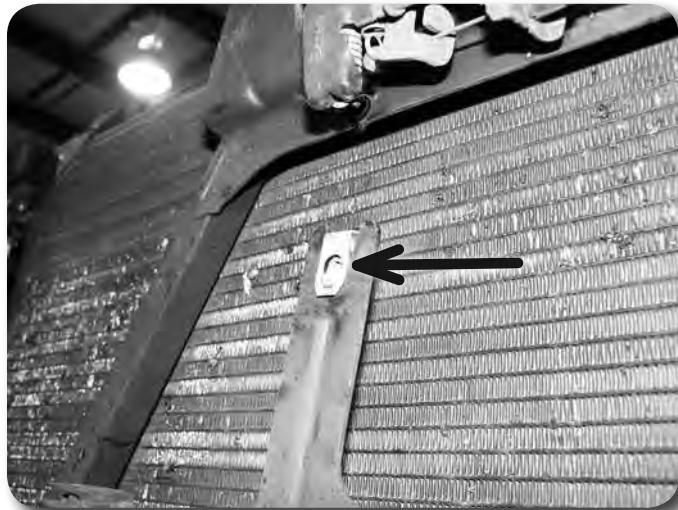


Figure 21

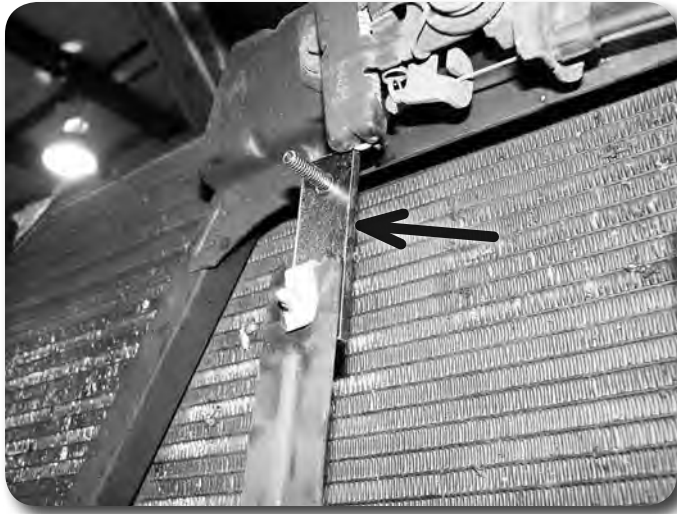


Figure 22

54. Attach the relocation brackets to the original cooler mount on the core support. Fasten the brackets with the provided 1/4" nuts and 1/4" USS washers. Torque nuts to 15 ft-lbs.
55. Position the provided oil cooler spacer sleeves (1/2" OD x 2" Long) between the two bottom oil cooler mounting tabs and the original mount on the core support **Figure 23**. Fasten the spacers and cooler to the core support with the provided 1/4" x 3" bolts, nuts and 1/4" USS washers. Torque to 15 ft-lbs.
56. Mount the cooler lines back in the plastic retaining clip at the bottom of the core support **Figure 23**.
57. Reconnect any other lines, hoses, etc that were removed prior to lifting that were not outlined in the instructions.

### Step 55 Note

On some models the bottom oil cooler tabs will flex down some to allow for placement of the spacers.

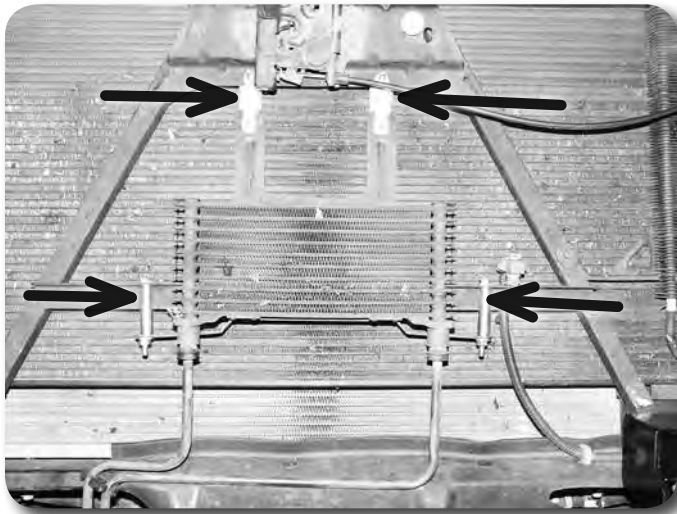


Figure 23

## » FRONT BUMPER

58. Mount the outside bumper support relocation brackets (shown) to the outside bumper support brackets with 7/16" x 1-1/4" bolts, nuts, and 3/8" USS washers. Do not tighten at this time **Figure 24**.

### Step 58 Note

Hardware for the outside support relocation brackets is located in hardware pack #205.

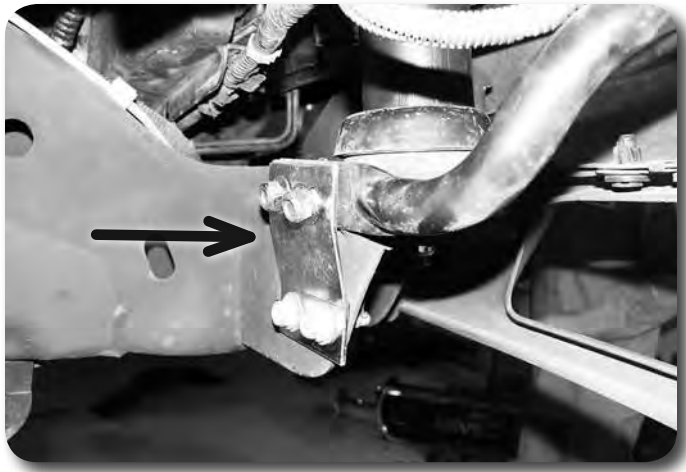


Figure 24

59. Loosely mount the relocation brackets to the original bracket location using the stock hardware **Figure 24**.
60. The factory front bumper mount brackets on the frame must be trimmed. Measure down 1-1/4" from the upper inside corner of each bracket and mark. **Figure 25A** Make a vertical cut line on the front mounts that is inline with the inside surface of the frame rail down the mark. Cut the upper corner of the bumper mount off along the lines. **Figure 25B** Paint any bare metal to prevent corrosion.



Figure 25A

61. If the vehicle is equipped with front tow hooks, remove the tow hook mounting bolts and remove the tow hooks from the frame. Save hooks and hardware.



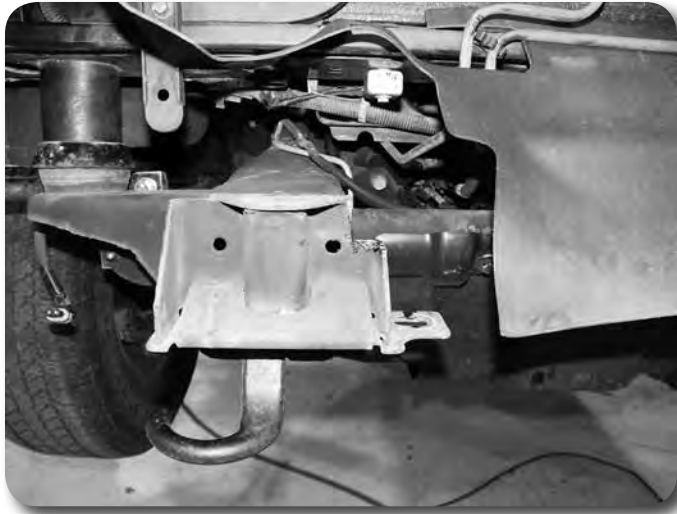


Figure 25B

62. Mount the new front bumper brackets to the factory bumper mount on the frame with the upper factory bumper mount bolt **Figure 26A**. Leave loose. The brackets are driver's and passenger's side specific and the lower mount tab should be on the inside of the frame. For vehicles equipped with tow hooks, the lower portion of the bumper brackets will be attached when the tow hooks are reinstalled.
63. For vehicles not equipped with tow hooks, attach the lower portion of the new bumper brackets to the existing tow hook mounting hole in the frame. **Figure 26B** Use the provided  $\frac{1}{2}$ " x 1-1/4" bolt, nut and 7/16" USS washers to fasten the bracket.

### **Step 62 Note**

On some models, the factory front bumper mounts are bolted to the frame instead of welded. If this is

### **Step 63,65 Note**

Hardware for the new front bumper brackets is located in hardware pack #205.



Figure 26A - Older model shown, newer model similar

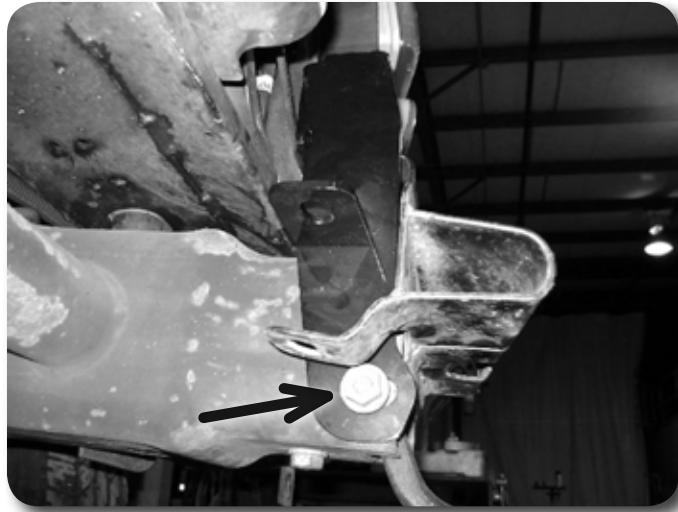


Figure 26B - Older model shown, newer model similar

64. Cut out the front bumper bracket trim template at the end of the instruction sheet. Place the template on the factory bumper brackets as shown in Figure 27 and trim as directed on the template. Paint any bare metal.



Figure 27

65. Mount the bumper to the new brackets on the vehicle. Use the stock bolt to attach the lower bumper mount to the lower, inside tab on the new bracket. Attach the top bumper mount to the new bracket using 1/2" x 1-1/4" bolts, nuts and 7/16" USS washers. Do not tighten at this time.
66. Attach the outside bumper supports to the bumper using the stock hardware. Do not tighten at this time.
67. Adjust bumper-to-body clearance and tighten all bumper mounting hardware. Torque 1/2" hardware to 65 ft-lbs, 7/16" and factory hardware to 50 ft-lbs.
68. The front bumper valance must be trimmed to allow for clearance of the tow hooks. There are several ways to adequately trim the valance for clearance. One method that can be used is outlined in Figure 28 but does not necessarily have to be done this way. If the tow hooks are not reinstalled, follow the instructions on front bumper bracket installation for vehicles not equipped with tow hooks.
69. Test fit tow hooks to ensure they will be functional and easily accessible. Additional valance trimming may be needed.

70. Secure tow hooks with stock hardware through the original frame mount holes and new bumper relocation brackets. Torque bolt to 60 ft-lbs.
71. If equipped, reconnect the fog lights in the front bumper.



Figure 28

72. Install the grill on the vehicle in the reverse of how it was removed. In some cases, the grill will need to be trimmed to make room for the relocated oil cooler. Hold the grill up to the vehicle and check for clearance. Mark the grill if any trimming is necessary. Cut the material to make the necessary clearance.
73. Install the plastic core support cover on the top of the core support and fasten with the original plastic retaining clips.

## »» **PARKING BRAKE CABLE**

74. Reroute the parking brake cable up over the cab mount.
75. Using the provided parking brake cable 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 29**. Torque 3/8" hardware to 30 ft-lbs.



Figure 29

76. Run the parking brake cable through the large round hole in the bracket and push it through until the retaining clip locks in place.

### **Step 75 Note**

Parking brake bracket hardware is located in hardware pack #208.

77. Reconnect the front parking brake cable to the coupler. Adjust the parking brake cable using the adjuster thread measurements taken earlier.

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### » SAFETY CABLE EXTENSION

78. Using the stock bolt, mount the provided safety strap extension to the rear frame mount. Attach the safety cables to the extension straps using 7/16" x 1-1/2" bolts, nuts, and washers.

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### » FUEL LINE RELOCATION

#### *Manual Shift Transfer Case Only*

79. Swing the fuel line bracket out away from the lower stud and place the provided fuel line relocation bracket (1-1/8" hole to hole) on the stud.
80. Using a 3/8" x 1-1/4" bolt, nut and 3/8" SAE washers attach the relocation bracket to the fuel line bracket through the lower mounting hole.
81. Torque all mounting hardware to 30 ft-lbs.
82. Check the fuel lines to see that they are not binding or stretched. It may be necessary to carefully bend the fuel lines slightly for proper clearance.
83. Reconnect transfer case shift linkage to the shift lever. Check operation of the shifter. Adjustment may be necessary.

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### » FUEL FILL EXTENSION

84. Disconnect the fuel filler from the fuel tank as well as any ground straps and remove the filler assembly from the vehicle
85. 03 Models Only: Cut the rubber filler hose in half about 6" below the metal filler neck. Only cut the outer rubber hose. There is an inner plastic hose that should not be cut. Install the provided 2" x 4" tube extension with the new hose clamps. Ensure there is an adequate amount of the extension in each half of hose and tighten the extension with the new hose clamps.
86. 04-07 Classic models: These models have a smaller diameter filler tube. R - move the the factory filler hose that connects the tank to the filler neck. Cut th hose in the middle and install the provided 1" OD by 4" tube using the supplied hose clamps.
87. All Models: Reinstall the modified filler assembly in the vehicle. Reattach th hose to the fuel tank and the neck to the body with the factory hardware/clamps. Reattach any ground wires that were removed. Adjust the hose extension as necessary.

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### » SPARE TIRE WINCH RELOCATION

88. Remove the plastic guide tube from the spare tire winch assembly.
89. Disconnect the spare tire winch from the frame by removing the single mounting bolt. Save hardware.
90. Trim the small tab protruding into the winch recess near the mounting hole **Figure 30**. Use caution when working with cutting tools near the fuel tank.
91. Locate the provided "C" shaped winch relocation bracket. Mount the bracket to the original winch mount hole with the factory hardware. The bracket will mount up through the frame. Mark the 2 additional holes to be drilled. Remove the bracket and drill holes to 3/8" **Figure 31**.
92. Turn to back of instructions sheet and cut out the provided template.

#### **Step 78 Note**

Safety strap hardware is located in hardware pack #208.

#### **Step 80 Note**

Fuel line relocation hardware is located in hardware pack #208.

#### **Spare Tire Winch Note**

All spare tire winch relocation hardware is located in hardware pack #204.

93. Align the paper template with the three existing holes. Mark the 2 additional holes to be drilled. Drill to 3/8". Figure 32



Figure 30

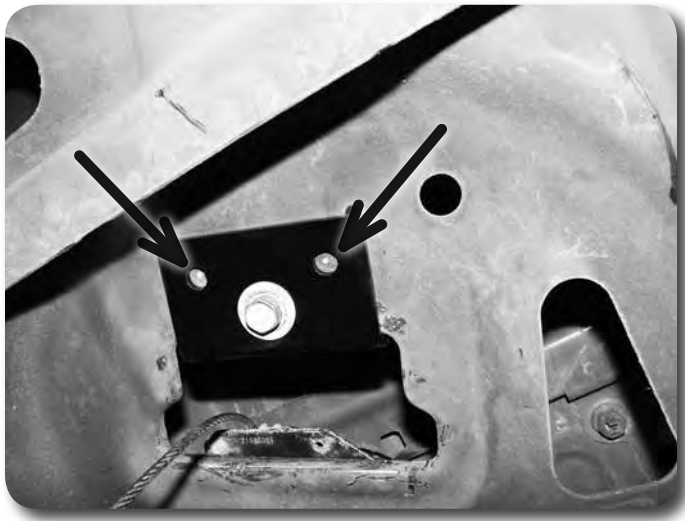


Figure 31



Figure 32

94. Reinstall the "C" bracket with a new 10mm x 20mm bolt and washer in the original hole and 3/8" bolts, nuts and washers in the two new holes. Leave hardware loose.
95. Place tire crank on top, and attach to the new "C" bracket with a 3/8" carriage bolt, nut and washer. Leave hardware loose.
96. Slide the new "L" shaped support bracket under the front side of tire crank. Attach bracket to the two new holes drilled earlier with 3/8" hardware. Figure 33,34



Figure 33

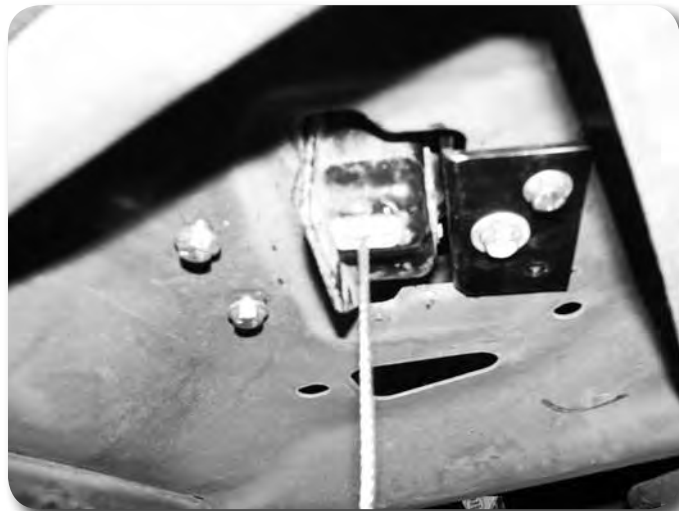


Figure 34

97. Tighten 3/8" and 10mm hardware to 30 ft-lbs.
98. Reinstall plastic crank guide.

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## » REAR BUMPER

99. Remove the two bolts mounting each of the factory bumper brackets to the bumper and remove the brackets from the bumper.
100. Attach the new bumper brackets to the bumper with 7/16" x 1-1/2" bolts, washers, and nuts. Snug hardware leaving some freedom for adjustment.

### Rear Bumper Note

All rear bumper bracket hardware is located in hardware pack #207.

101. Lift the bumper into position on the vehicle and fasten in place with new 3/8" x 1-1/2" bolts, nuts and washers through the forward-most hole in the bracket that runs through the factory spring hanger. Leave hardware loose.
102. Locate the new side bumper support brackets. These brackets have four holes - 1 round hole, 1 square hole and 2 countersunk holes. The square hole will be in the top position and accept a carriage bolt. Install the provided 1/2" carriage bolt and 1/2" flat head bolts in the brackets as shown in **Figures 35a/b**. Install a 7/16" x 1-1/2" bolt, nut and washers in the lower hole. Leave hardware loose.
103. Swing the outside bumper bracket over the two top bolts on the new outside relocation bracket and secure with 1/2" nuts, 1/2" SAE flat washers and lock washers **Figure 35a/b**. Leave hardware loose.

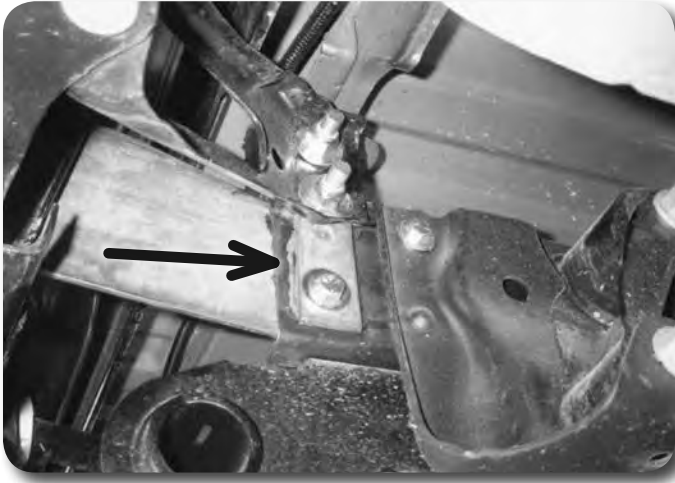


Figure 35a

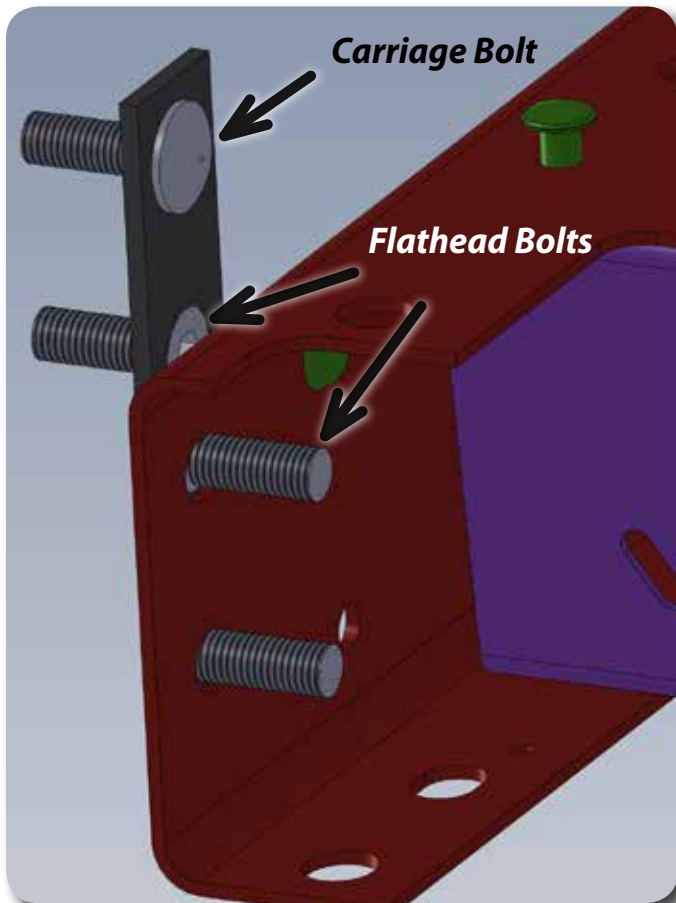


Figure 35b

104. Install 1/2" nuts, 1/2" SAE washers and lock washers on the bolts that mount inward through the frame and bumper bracket. Leave hardware loose.
105. If equipped with a factory class III hitch, use the two provided large rectangular washers and 14mm nuts with the stock bolt that mounts up through the bottom of the frame. Leave hardware loose.
106. If equipped with a factory receiver hitch, install the 2" diameter body spacers between the bumper and hitch. Fasten using two 14mm x 110mm bolts and two 1/2" USS washers Figure 36.



Figure 36

107. Adjust bumper to proper location, check tailgate operation for adequate clearance and tighten all mounting hardware. Torque 7/16" hardware to 45 ft-lbs, 1/2" hardware to 65 ft-lbs and 14mm hardware to 90 ft-lbs.
108. Reconnect license plate lights and any other wires removed during disassembly.
109. Reinstall the spare tire to its stowed position.
110. Reconnect battery.
111. Check all hardware for proper torque.
112. Check hardware after 500 miles.
113. Adjust headlights.





