



#F9384 Installation Instructions 2004-2005 F-150 4dr/5.4L 3" Body Lift w/ Factory Receiver Hitch

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

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» PRODUCT SAFETY WARNING

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

» TECHNICAL SUPPORT

Live Chat provides instant communication with Zone tech support. Anyone can access live chat through a link on www.zoneoffroad.com.

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to tech@zoneoffroad.com detailing your issue for a quick response.

888.998.ZONE Call to speak directly with Zone tech support.

» PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
5. Zone Offroad Products body lifts are designed to be used on vehicles in good operating condition. It is not recommended that body lifts be used on vehicles in poor physical shape. This includes rusted body mounts, damaged or worn frame-to-body mounting brackets, and poor mechanical condition. Perform a visual inspection of the vehicle before beginning installation.

Difficulty Level

easy 1 2 3 4 5 difficult

Estimated installation: 6-8 hours

Special Tools Required

None

Tire/Wheel Fitment

33 x 12.50 Tire

Kit Contents

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

Qty	Part	Qty	Part
1	1-1/4" x 0.090 electro weld tube	2	1/2"-13 x 1-1/2" bolt tabs
1	Rear Bumper Bracket (pass)	1	1/2" Bolt Fish Wire
1	Rear Bumper Bracket (drv)	16	3" x 3" Body Lift Block
2	Carriage bolt washer	4	2" x 3" Body Lift Block
2	Front bumper relocation brackets	6	2" x 3" x 1/8" Steel Bed Spacer
1	Spare tire relocation bracket	1	Steering extension
1	Emergency brake cable relocation bracket	4	Hose Clamps #20
1	Transmission shifter relocation bracket	1	1.00 x 0.05 x 4" Tube
2	Radiator drop bracket - F 150 - z shaped	1	1.313 x .313 x 1.025 sleeve spacer
1	ABS Relocation bracket (with 5/16" studs)	2	3" strap w/ 1/4" stud
		3	2" strap w/ 1/4" stud
		1	Bolt Pack



PRE INSTALLATION NOTES

1. The radiator **MUST** be drained and refilled for proper installation. Buy the correct coolant before you begin the installation. Coolant not included in kit.
2. A 9/16" drill bit is needed for installation.
3. T-45 and T-50 torx bits are required in addition to a complete set of sockets, wrenches, and various other tools.
4. Read through all instructions prior to installation.
5. This system will **NOT** work with any suspension system that relocates the rack and pinion.
6. Only fits 2004-2005 model years.

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety. Leave vehicle in Park.
2. Disconnect the positive and negative battery cables from the battery. The Supplemental Restraint System (airbags) will be deactivated when the battery is disconnected.
3. Measure and recorded the distance between the body and the bed as well as the bumpers to the body. These measures will be used for reference during installation.

»> INSIDE CAB

4. Remove the cap from the middle upper seat belt cover to expose the two mounting nuts **Figure 1**. Remove the nuts and the seat belt cover from the top of the seat. Save hardware.



Figure 1

5. Pull up on the seat back to release it from the back wall of the cab and remove it from the vehicle. Use caution, there are sharp edges on the bottom of the seat back that can cause damage.
6. Remove the 4 nuts/bolts that mount the back of the seat frame to the cab floor **Figure 2**—passenger side shown. Save hardware.



Figure 2—passenger side shown

7. Flip the seat bottom up and remove the 2 bolts mounting the jack brackets to the floor. Remove jack from vehicle and save hardware Figure 3.



Figure 3

8. Remove the 3 torx head bolts (T-50) mounting the front of the seat frame to the cab floor. Remove the seat bottom from the vehicle and save hardware.
9. Pull the rear plastic door sill plates up to free the retaining clips and remove them from the vehicle Figure 4.



Figure 4

10. Remove the plastic rear seat belt covers. They can be pulled off by hand.
11. Remove the rear seat belt mounting bolts (one per side, T-50 socket). Save mounting bolts.
12. Remove the rear middle plastic carpet fastener and save.
13. Pull the carpet up to expose the body mount bolts behind each of the front seats
Figure 5.



Figure 5

14. Pull the front plastic door sill plates up to free the retaining clips and remove them from the vehicle.
15. Pull the front carpet back to expose the body mount nuts.

» FRONT BUMPER

16. Remove the 3 plastic clips that mount the lower rubber shroud to the front bumper. Allow the shroud to hang down out of the way and save the clips Figure 6.



Figure 6

17. Disconnect the fog light wires from the fog lights. Disconnect the wire retaining clip from the bumper Figure 7.



Figure 7

18. Remove the 3 bolts mounting the upper plastic bumper cover to the lower steel bumper. Remove the bolt mounting the hood release to the bumper. Remove the hood cable clip from the passenger's side hood stop bracket. Save all hardware Figure 8.

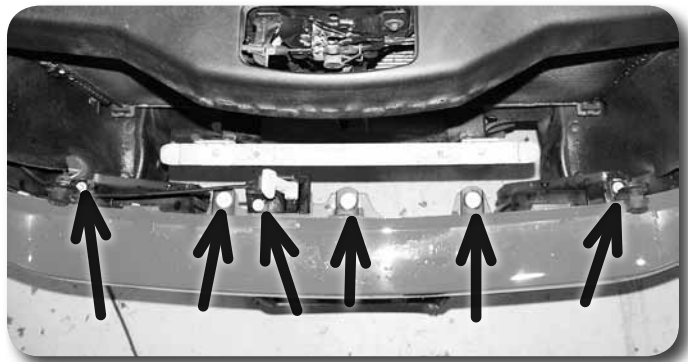


Figure 8

19. Remove the 2 hood stops from the bumper. Save stops and hardware.
20. Remove the 4 nuts mounting the bumper to the frame and remove the bumper from the vehicle Figure 9—drv side shown. Save hardware.

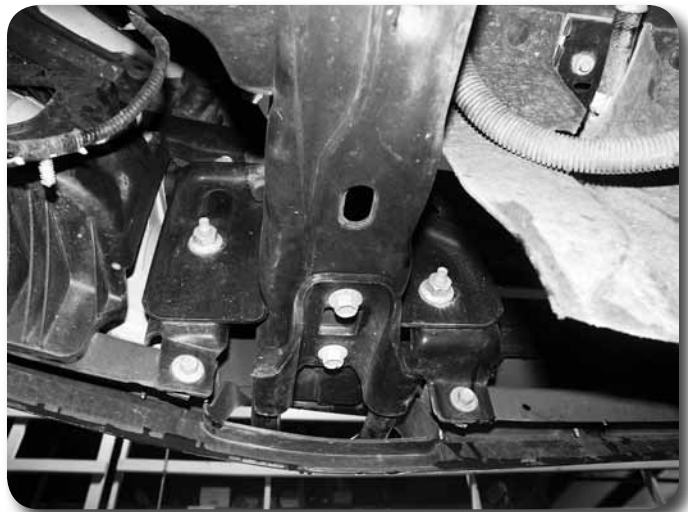


Figure 9—drv side shown

» **UNDER HOOD**

21. Remove the air intake mounting bolt and remove the intake tube from the vehicle Figure 10—shown from drv side.



Figure 10—shown from drv side

22. Remove the 2 nuts and the intake support bracket from the front of the engine. Save nuts and bracket Figure 11.

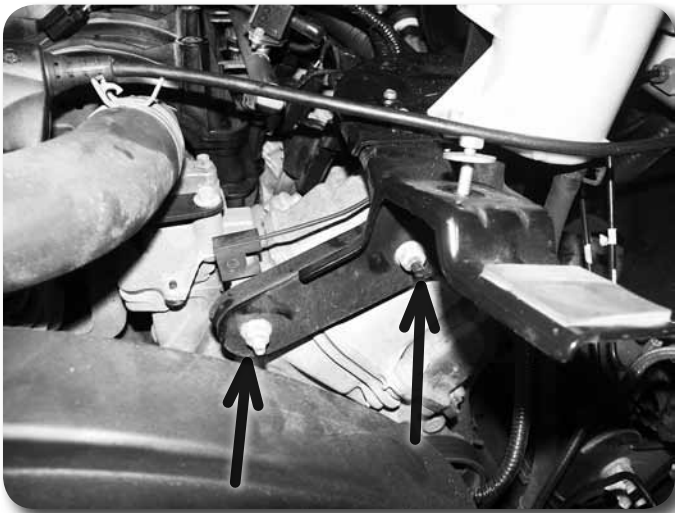


Figure 11

23. Remove the 7 plastic fasteners mounting the plastic core support cover. Remove cover and save along with fasteners Figure 12.



Figure 12

24. Disconnect the side core support rubber shrouds from the frame. There are 2 clips per side Figure 13—pass side shown.



Figure 13—pass side shown

25. Disconnect the ground wire from the passenger's side firewall Figure 14. Save bolt.

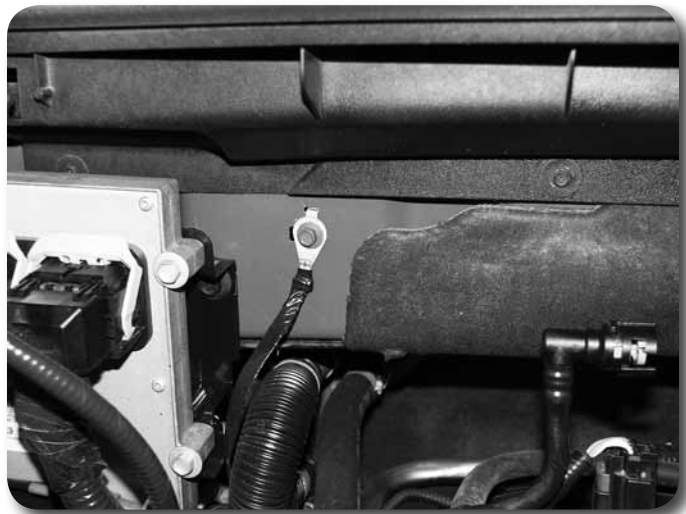


Figure 14

26. Disconnect the 3 wiring harnesses that plug into computer at firewall Figure 15.



Figure 15

27. Disconnect the solenoid from the driver's side firewall Figure 16. Save hardware.



Figure 16

28. Remove the 4 bolts mounting the engine fan to the fan hub Figure 17. Save bolts. Move the fan back against the engine.

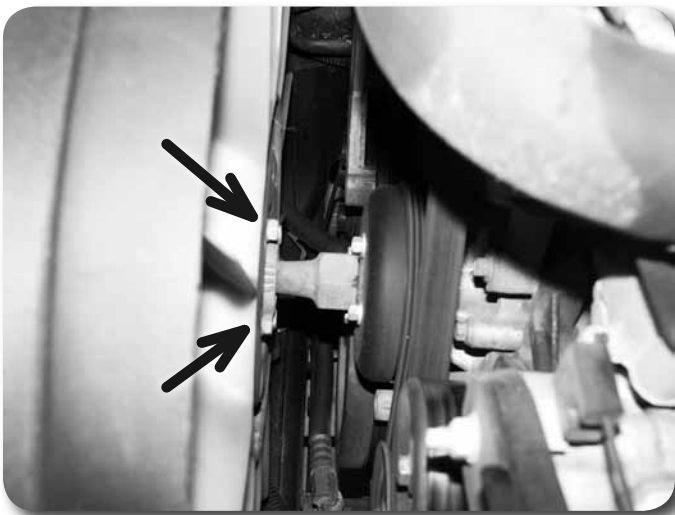


Figure 17

29. Remove the 2 (1 per side) fan shroud bolts **Figure 18 – drv side shown**. Save bolts. Pull the shroud up to release it from the lower retaining clips.



Figure 18 – drv side shown

30. Remove the 2 top radiator mounts from the core support **Figure 19**. Save mounts and hardware. Rotate the fan shroud so that driver's side is tilted up while pushing forward on the top of the radiator. Pull the shroud up and out past the fan hub and radiator. Set the shroud aside to be modified later.



Figure 19

31. Drain the radiator into a clean container.
32. Disconnect hose from bottom of coolant reservoir **Figure 20**.
33. Lock the steering wheel. Mark the relationship between the upper and lower portions of the steering shaft at the u-joint **Figure 20**. Remove the pinch bolt and separate the upper and lower shafts. Save hardware.



Figure 20

» UNDER BODY

34. Remove the 3 outer bolts Figure 21 and 1 top bolt Figure 22 mounting the ABS module to the driver's side frame. Save hardware.



Figure 21

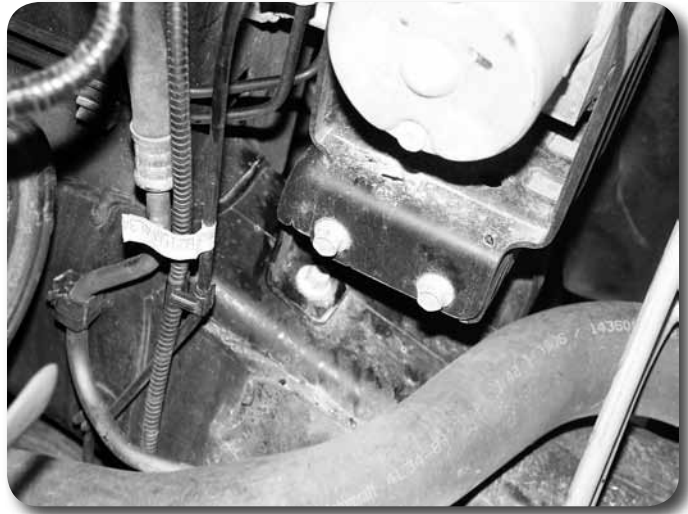


Figure 22

35. Disconnect the ground wire from the body mount located just behind the passenger's side front wheel Figure 37, see lifting body section. Save bolt.
36. Disconnect the shift linkage bracket from the driver's side of the transmission. Save hardware Figure 23.

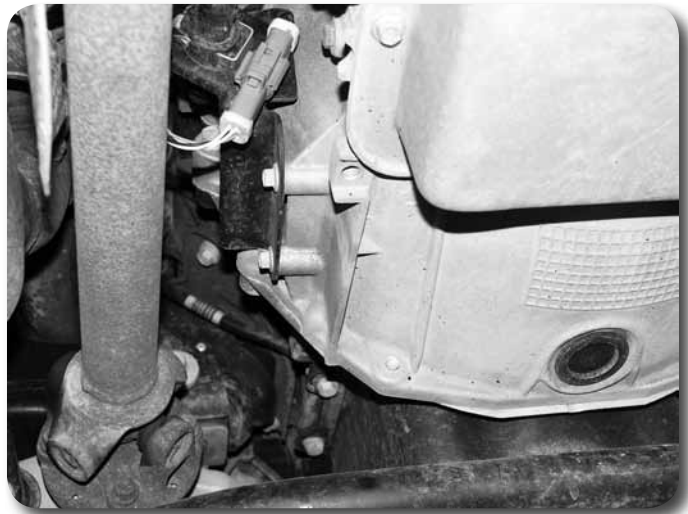


Figure 23

37. Remove the clips and plastic cover from the driver's side frame rail. Remove the wiring from the clips Figures 24 & 25.



Figure 24



Figure 25

38. Set the parking brake. Clamp the parking brake cable with vise grip pliers at the rear spring hanger and release the brake **Figure 26**. Remove the parking brake cable from the bracket on the frame **Figure 27**.

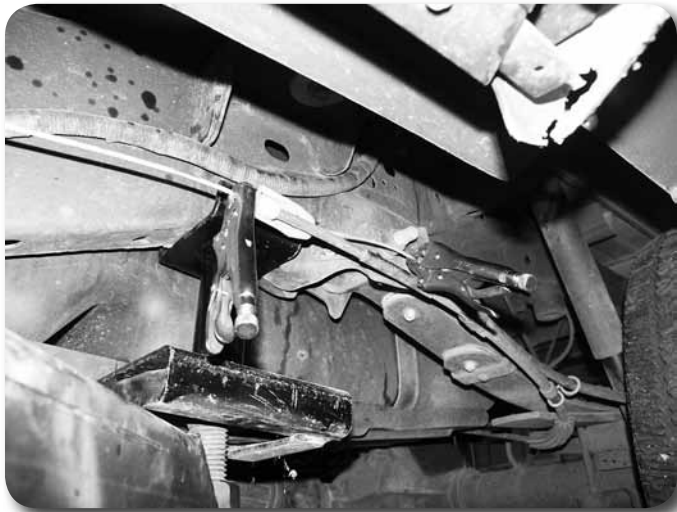


Figure 26



Figure 27

39. Remove the hose clamp mounting the fuel filler to the bed Figure 28. Save clamp.



Figure 28

40. Remove the three screws mounting the fuel filler neck to the body Figure 29. Save screws.



Figure 29

41. Lower the spare tire and remove it from the vehicle.
42. Compress the retaining tabs on the plastic spare tire crank guide tube and remove the guide from the frame. Save guide.
43. Remove the two bolts mounting the spare tire winch to the frame and remove it from the vehicle **Figure 30**. Save hardware.

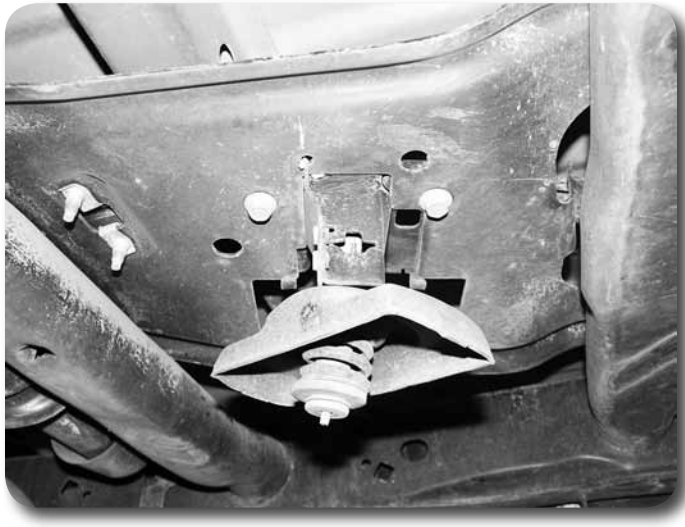


Figure 30

» REAR BUMPER

44. Disconnect the license plate lights from the rear bumper **Figure 31**.

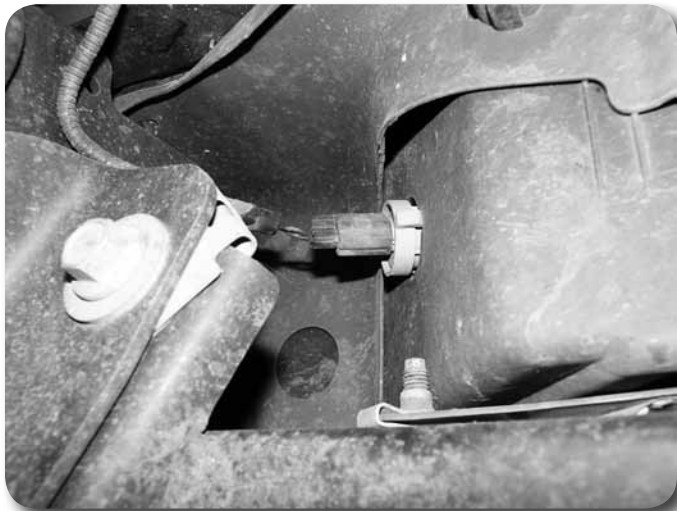


Figure 31

45. Disconnect the trailer wiring from the bumper as well as the wire loom clip **Figure 32**.
46. Remove the 8 bolts/nuts mounting the bumper to the frame and remove the bumper from the vehicle **Figures 32 & 33**. Save hardware.



Figure 32



Figure 33

47. Remove the plastic tread plate from the bumper by compressing the 16 plastic tabs Figure 34 and pulling it free.



Figure 34

48. Remove the 8 bolts (6 'T45' torx head, 2 hex head) mounting the outer bumper to the receiver/inner bumper frame **Figure 35 & 36**. Remove the outer bumper from the receiver. Save hardware.

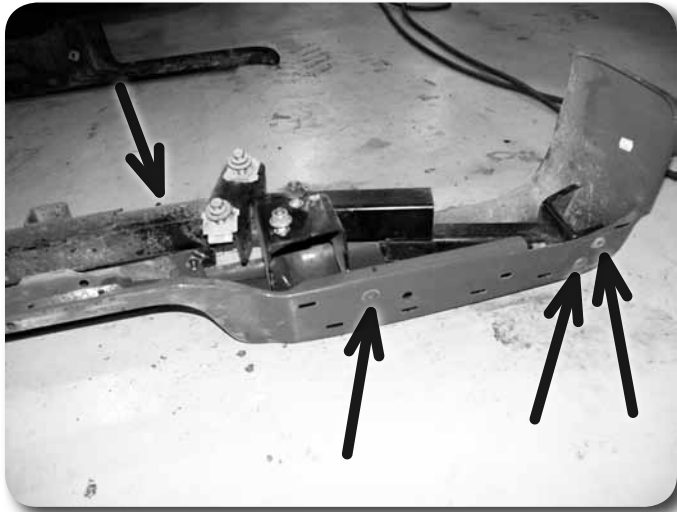


Figure 35—top



Figure 36—bottom bolts, shown from top

» **LIFTING BODY AND BED:**

Disassembly Note: You will NOT be able to unthread the bolts at P-2, D-2, and D-4. They are pressed into the bushings and must be removed by removing the mount and pressing them out. Figures 37, 38 & 39

Assembly Note: Use supplied Loctite on all threads during assembly.



Figure 37

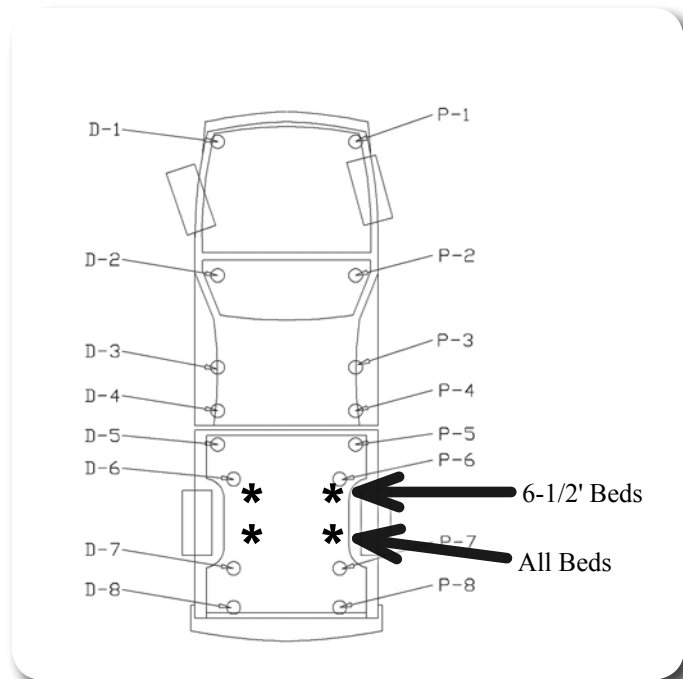


Figure 38

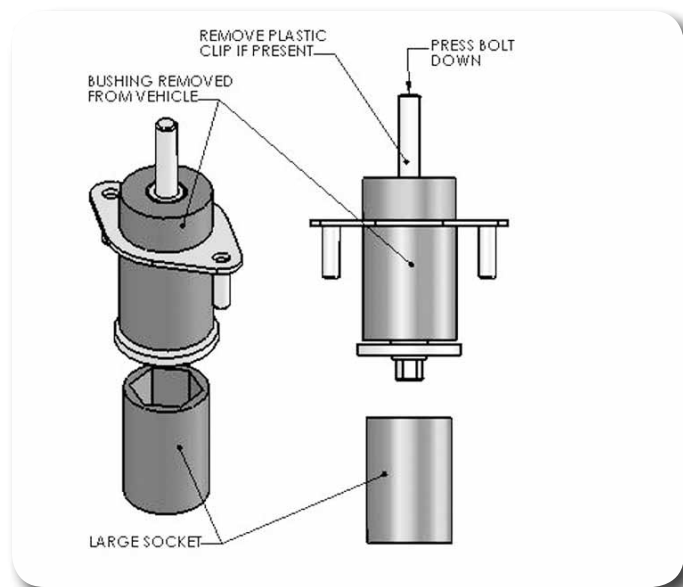


Figure 39

49. Remove torx plus head bolts (P-6, 7, 8, D-6, 7, 8). Note: A specific tool is available to fit these bolts. This tool is not a warranty item. Spray penetrating oil on all the nuts / nut clips that go to the bed bolts. Do NOT use an impact to break bolts loose.
50. Remove 2 bed mounts that run from bottom up at front of bed (P-5, P-6).
51. Slide bed back 2" to 3" enough to allow cab to be lifted.
52. Remove nut from mount located in front of wheel well on both sides (P-1, D-1). Remove bolt that is threaded into the body mount.
53. Remove nut from mount located at front seat floor board on passenger's side (P-2), and loosen the driver's side (D-2).
54. Remove nut from P-3, loosen nut at D-3.

55. Remove bolt from P-4, remove nut from D-4
56. Lift only one side of body at a time. Check for items that may cause binding, stretching, or interference.
57. Slowly lift passenger's side of body. Remove front mount (P-1) located just in front of wheel well. Remove 2 nuts from bottom of mount just behind the wheel well (P-2). Lift the body enough to allow for removal of both mounts.
58. Put P-1 mount into a vise and drill out to 1/2". It is easiest to drill from the 'top – down' as orientated in vehicle.
59. P-2 bolt must be pressed out of the body mount. Place mount as shown into press to allow bolt to be removed. If plastic cap is present on end of threads, it must be removed first **Figure 39**.
60. Once the two mounts have been modified, reinstall the mounts. The body must be tilted to allow for removal of body mounts with pressed in bolts.
61. Lower passenger's side of body, place bolts through body mounts, but do NOT install hardware at this time, the bolts will be removed again shortly. Remove remaining driver's side bolts.
62. Lift driver's side of body and remove mounts located at D-1, D-2, and D-4.
63. Drill D-1 mount to 1/2", press bolts out of body mounts at D-2 and D-4 locations.
64. Reinstall mounts with 3" tall body lift blocks at all 4 locations.
65. Install bolts as follows:
 - D-1: 1/2" x 9" grade 8 with 1-3/8" OD x 1/2" ID x 3/16" thick washer from top-down
 - D-2: 1/2" x 9" grade 8 from bottom up, use a 1-3/8" OD x 1/2" ID x 3/16" washer on top
 - D-3: 12mm x 220mm bolt from top down
 - D-4: 1/2" x 10" grade 8 bolt from bottom up
66. Lift passenger's side of body. Install lift blocks at P-1, P-2, P-3, and P-4.
67. Install bolts as follows:
 - P-1: 1/2" x 9"
 - P-2: 1/2" x 9"
 - P-3: 12mm x 220mm
 - P-4: 12mm x 240mm
68. Attach frame strap located at P-2 to body with a #12 x 3/4" sheet metal screw.
69. Slide bed forward slightly, have an assistant help lift one side of the bed at a time, place 3" diameter x 3" tall blocks at noted positions (P-5, 6, 7, 8, and D-5,6,7,8). Check body gaps from bed to body, adjust if necessary.
70. Run 10mm x 100mm bolt with 10mm washer from bottom up at position P-5 and D-5, use Loctite on threads.
71. Attach 12mm x 180mm bed bolts through lift blocks at P-6,7,8 and D-6,7,8 with Loctite. Use large diameter (1-3/8" OD) x 3/16" thick washer at each location.
72. Attach metal overload spacers (*) to bed **Figure 38** with 3/8" hardware. Insert bolt with washer as shown **Figures 40A & 40B**.
73. Recheck body gaps and tighten 12mm and 1/2" hardware to 65 ft-lbs, 10mm and 3/8" hardware to 35 ft-lbs.

Step 65,66 Note

All body mount hardware is located in hardware pack #267.

Step 68 Note

#12 sheet metal screw is located in hardware pack #267.

Step 70,71 Note

10mm and 12mm bed hardware is located in hardware pack #267.

Step 72 Note

3/8" bed overload spacer hardware is located in hardware pack #BP123401.



Figure 40A

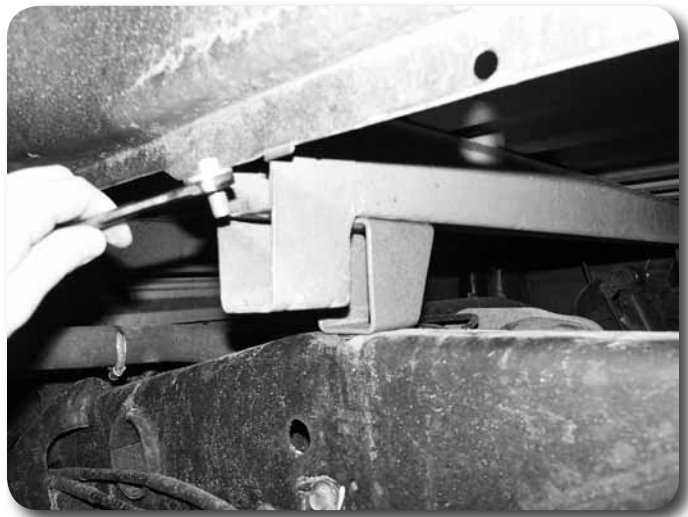


Figure 40B

» **REAR BUMPER:**

74. Locate the rear bumper inner frame that was disassembled earlier. Cut the outer support 4" from end of tube. The cut should be parallel with the end of the tube Figures 41A & 41B.

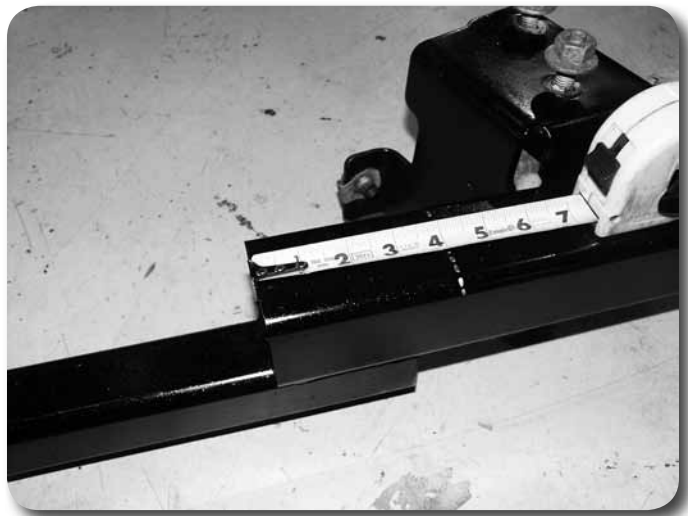


Figure 41A



Figure 41B

75. Place bumper relocation bracket with edge flush to inner bumper mounting plate. Mark 2 hole centers, verify that hole centers are 1-1/2" apart, and drill to 9/16" Figure 41C.



Figure 41C

76. Place outside edge of inner bumper frame flush with edge of relocation bracket. Mark the center of the 2 slots and drill to 9/16" Figure 42.



Figure 42

Step 75 Note
There is a driver's and passenger's side-specific bumper bracket. The slotted holes in the brackets should go toward the top-outer portion of the bumper assembly.

Step 77-82 Note

All rear bumper mounting hardware is located in hardware pack #266.

77. Install from the inside of main bumper two $\frac{1}{2}$ " x $1\frac{1}{2}$ " carriage bolts, carriage bolt tab and bolt retaining clips through the hole just drilled. The retaining clips will be used to keep the bolts from falling out and have the head remain seated in the bolt tab during installation of relocation bracket **Figure 43 & Fig 44**.

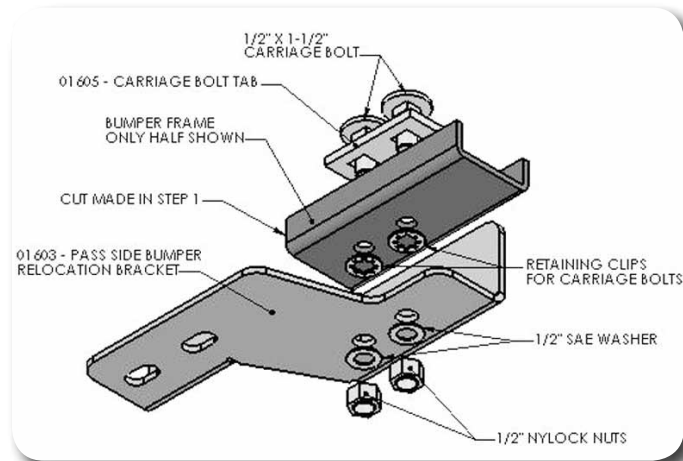


Figure 43

78. Attach relocation bracket to bumper with the carriage bolts and $\frac{1}{2}$ " washers and nylock nuts. Leave hardware slightly loose until final installation **Figure 44**.



Figure 44

79. Attach outer bumper wing to relocation bracket with $\frac{1}{2}$ " x $1\frac{1}{2}$ " bolt, $\frac{1}{2}$ " washers, and nylock nuts. Adjust bracket to center of slots, do not tighten hardware at this time.
80. Set inner bumper framework inside the metal bumper cover.
81. Attach 2 remaining rectangular spacer tubes to bumper cover with the factory bolt and new 10mm nut and washer. Attach the tube to the main bumper frame assembly with a 10mm x 25mm bolt and washer into factory nut clip **Figure 45**. Note: T45 torx bit required.
82. Attach bumper cover to inner bumper by installing 2" diameter x 3" tall blocks with 10mm x 100mm bolts and washers into factory nut clips **Figure 45**.

Step 81 Note

The rectangular spacers are the remaining 2 bed overload spacers that were not used when lifting the body/bed.

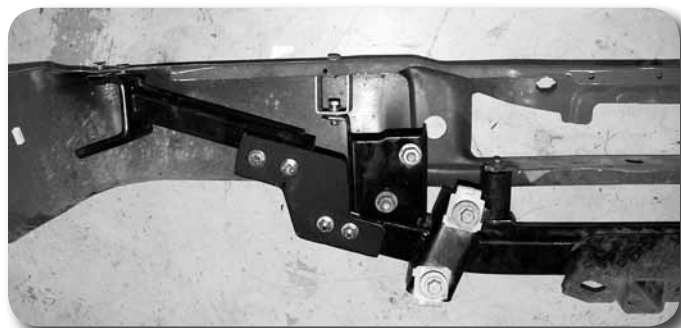


Figure 45

83. Attach outer wings of the inner bumper frame to bumper cover with factory hardware.
84. Tighten ½” hardware to 65 ft-lbs, 10mm hardware to 30 ft-lbs.
85. Reinstall plastic step onto metal bumper cover.
86. Reinstall bumper with factory hardware.
87. Check gaps as measured before, adjust as necessary.

» SPARE TIRE WINCH RELOCATION

88. Space original winch mount up 3” with 2” diameter x 3” tall blocks and provided 10mm x 100mm bolts and washers **Figure 46**.
89. Cut the spare tire crank guide tube bracket off flush with the back edge of the winch mount plate. **Refer to Figure 30**



Figure 46

90. Reinstall spare tire.



Figure 47

Step 88-91 Note

Spare tire winch relocation hardware is located in hardware pack #268.

Step 93,94 Note

E-Brake bracket hardware is located in hardware pack #298.

» EMERGENCY BRAKE CABLE RELOCATION BRACKET

91. Position the provided bracket over factory mount. Align holes in the bracket with the factory mount and attach with $\frac{1}{2}$ " x 1" bolt, nut and washers through old cable position **Figure 48**.
92. Attach bottom hole to OE mount with $\frac{5}{16}$ " x $\frac{3}{4}$ " self tapping bolt, tighten to 20 ft-lbs. Torque $\frac{1}{2}$ " hardware to 65 ft-lbs.
93. Install cable into relocation bracket.

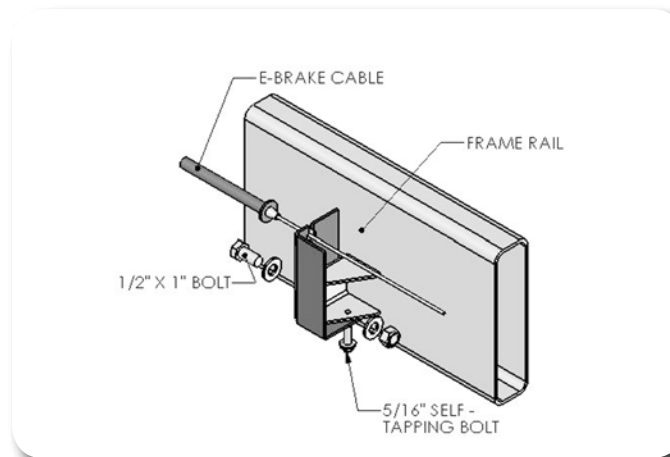


Figure 48

» FUEL FILL EXTENSION:

94. Cut fuel fill rubber hose 3-4" from end where it meets the metal extension **Figure 49**.
95. Insert the provided 1-1/4" OD steel extension into rubber hose. Attach with #20 hose clamps.
96. Reattach fuel fill to bed with factory hardware.

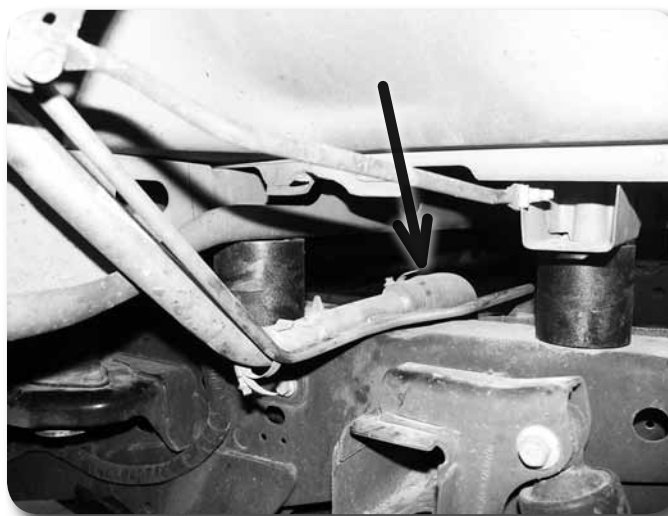


Figure 49

» TRANSMISSION CABLE RELOCATION BRACKET

97. Locate the provided transmission relocation bracket to the side of transmission, so that the studs face out. **Figure 50A & B** Attach with factory bolts.

98. Attach factory cable bracket to relocation bracket using the studs in the bracket. Secure with 5/16" nuts and washers.
99. There should be no tension on the cable when the vehicle is in park. Slight adjustment of bracket may be needed to defeat the neutral start safety switch.



Figure 50A



Figure 50B

Step 98 Note

Transmission cable bracket hardware is located in hardware pack #268.

» ABS MODULATOR

100. Locate the ABS relocation bracket with 2 captive studs. Install the studs in the top 2 factory holes. Mark 2 new hole centers to be drilled through the factory bracket. Figure 51.
101. Drill holes to 7/16", these holes will be exactly 1-1/2" below the top 2 holes. It may be easier to drill by removing the factory bracket from bottom of ABS modulator, disconnect the 3 bolts that connect top to bottom bracket.
102. Attach lower hole of relocation bracket to frame rail with factory bolt.
103. Place factory bracket on top of relocation bracket. Attach studs to existing holes with 5/16" nuts and washers. Attach lower 2 holes to factory frame rail holes with original bolts.
104. The bolt that ran from top-down will no longer be reused.

Step 103 Note

ABS bracket hardware is located in hardware pack #268.



Figure 51

» **RADIATOR SHROUD:**

105. Radiator must be drained (see service manual).
106. Disconnect upper radiator hose from radiator.
107. Trim edges on radiator shroud as shown in figure. Notch passenger's side of mount to clear relocation bracket as shown Figures 52A & B.

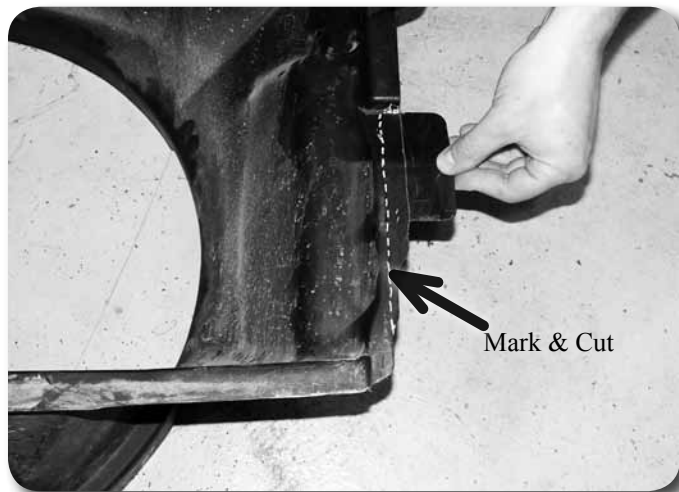


Figure 52A



Figure 52B

108. Remove transmission cooler lines from retaining clip. Form transmission cooler lines to clear radiator shroud by bending them towards the driver's side. Use caution not to kink the lines.
109. Install the provided 3" drop brackets with captive studs to the top fan shroud mounts. **Figure 53**



Figure 53

110. Test fit radiator shroud to make sure it will clear transmission cooler lines. Re-form lines if necessary **Figure 54**.
111. Attach the provided z-shaped shroud brackets to existing holes where OE clips used to be, below radiator, as shown in **Figure 54**. Attach with 5/16" self tapping bolts and fender washer. Make sure that the original air deflector guard is pinched between fender washer and bottom or radiator bracket **Figure 54**.
112. Mark slot centers on inside of radiator shroud, remove shroud and drill holes to 3/8".
113. Reinstall radiator shroud, do not attach to brackets, the shroud may need to be moved slightly to attach the fan
114. Attach fan to hub with factory bolts.
115. Attach radiator shroud to new lower z-shaped brackets with 1/4" x 1-3/4" bolts, with fender washers between bolt head and plastic. Use 1/4" USS washer between z-shaped bracket and 1/4" nut **Figure 54**.

Step 111-115 Note

Fan shroud mount hardware is located in hardware pack #268.



Figure 54

» STEERING EXTENSION

116. Install steering extension onto male part of shaft, attach with 3/8" x 1" allen head bolt. **Figure 55**
117. Align previous marks and attach female factory shaft to steering extension. Attach with original bolt.
118. Install 1/4" set screw into steering extension and snug tight.
119. Tighten 3/8" and 10mm bolt bolts to 30 ft-lbs

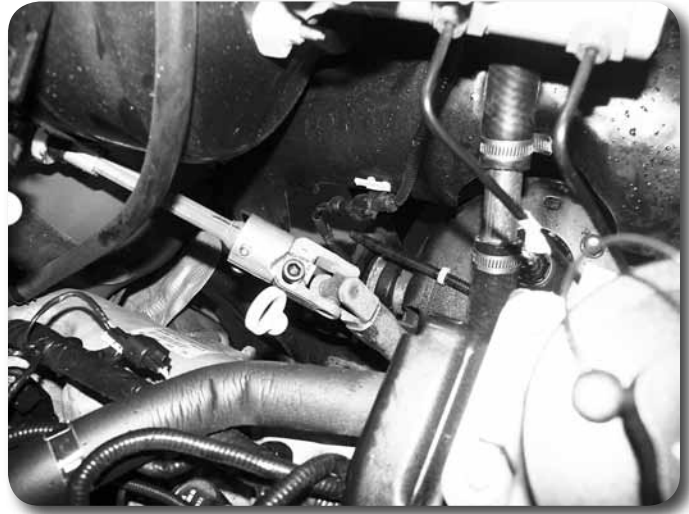


Figure 55

» RESERVOIR HOSE

120. Cut the radiator reservoir hose 4" from reservoir end **Figure 55**.
121. Install 1" OD steel hose extension and attach with #20 hose clamps.
122. Reattach to reservoir. Tighten clamps securely.

» FIREWALL

123. Reattach the 3 plugs that go into the computer **Figure 56**.
124. Install the provided 2" drop bracket w/captive stud for the ground strap on the passenger's side with factory bolt and new 1/4" nut and washer. Use serrated edge washer as shown to bite into the strap. Failure to do so may result in a poor ground. **Figure 56a, 56b**.

Step 124, 125 Note

Ground strap and solenoid relocation hardware is located in hardware pack #268.



Figure 56A



Figure 56b

125. Relocate driver's side solenoid with provided 2" drop brackets w/captive studs Figure 57. Attach bracket with factory bolts and new 1/4" nuts and washers.



Figure 57

» FRONT BUMPER

126. Measure on inside of bumper mounting bracket 2-3/4" and mark a vertical line. Measure and mark a line 2" up from center of inner slot. Cut area out with saw-zall, cutoff wheel, or plasma cutter Figure 58.

127. Mark holes 3" above factory outer slot. Drill to 9/16" Figure 58



Figure 58

Step 128-132 Note

Front bumper hardware is located in hardware pack #268.

128. Attach the provided 3" relocation bracket to backside of factory mounting bracket. Attach with 1/2" x 1-1/2" bolt, washers, and nut. Run the bolt from front to back Figure 59.
129. Temporarily install bumper and mark the factory outer slot center onto the inner bumper plate that is mounted to bumper. Remove bumper and drill holes to 9/16". Note: The lower plastic valance will now be between the tow hook and frame rail. Figure 60A & B

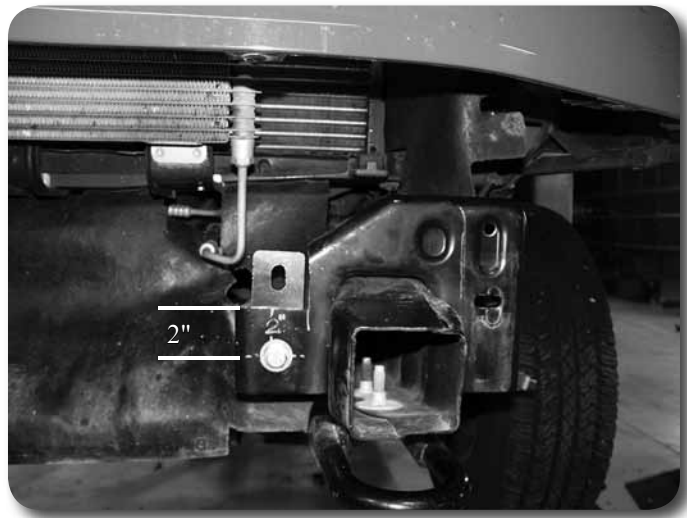


Figure 59



Figure 60A—bumper bracket shown



Figure 60B

130. Reinstall bumper after drilling holes. Place a provided 3/16” thick spacer washers between bumper and the new relocation plate. Attach with factory hardware.
131. Thread ‘fish wire’ bolt puller through lower slot and hole drilled in bumper bracket. The head of the bolt will be on the inside of the bumper (where a wrench will not fit.) Figures 61A & B



Figure 61A



Figure 61B

132. Attach a supplied 1/2" bolt tab to the fish wire and pull from front to back through hole drilled and slot in bumper bracket. Unthread fish-wire and attach with 1/2" washer, lock washer and regular nut.
133. Check bumper gaps and adjust if necessary. Tighten hardware to 65 ft-lbs.
134. Reconnect fog lights – if equipped.
135. Reconnect bumper to grill by installing factory bolts **Figure 62**.
136. Reattach hood release **Figure 62**.
137. Reinstall lower hood stops.
138. Reattach the front of the lower air deflector to the backside of bumper cross member using factory push pins. (See radiator shroud steps).

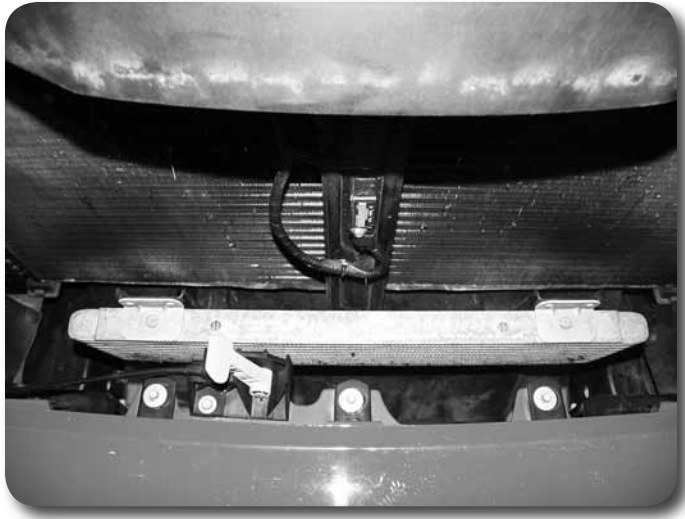


Figure 62

» **FINAL STEPS:**

1. Reinstall air intake duct support bracket on front-side of engine with factory nuts (See disassembly – Figure 11)
2. Install upper radiator plastic cover with push pins. Note: 2 of these that attached to the radiator shroud will NOT be reused **Figure 63**.



Figure 63

3. Reinstall air intake duct. Use new 6mm x 50mm bolt with 1/4" USS washer and provided 1" steel spacer between intake and support bracket. **Figure 64**

Step 3 Note

Air duct hardware is located in hardware pack #268.

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.

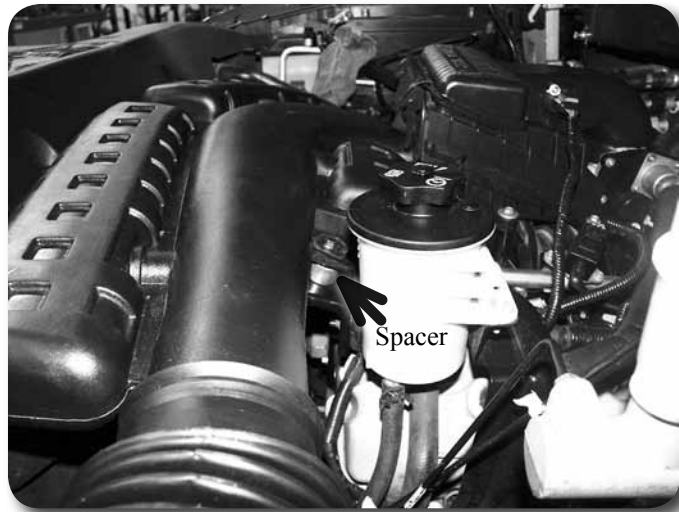


Figure 64

4. Reconnect radiator hose, refill radiator per manufacturer's standards. Make sure the correct coolant type is used, do not mix coolants.
5. Reconnect battery
6. Start vehicle to confirm that transmission relocation bracket is in correct position. If not, adjust until neutral start safety switch allows vehicle to start. There should be no tension on cable when vehicle is in park.
7. Follow coolant refill procedure according to service manual.
8. Recheck all fasteners for proper torque.
9. Check all cables, hoses, and wires for clearance and they are properly connected.
10. Turn steering wheel from lock to lock to verify no interference.
11. Test drive vehicle and check transmission through all gear options.
12. Recheck all fasteners after 500 miles and at regularly scheduled maintenance intervals.