



2003 - 2004 DODGE RAM 1500 INSTALLATION INSTRUCTIONS - KIT #60123

⚠WARNING

Installation of a Performance Accessories body lift will change the center of gravity and the handling characteristics of the vehicle. Because of the higher center of gravity and larger tires, the vehicle will handle and react differently both on and off road. You must drive it safely! Extreme care must be taken to prevent vehicle rollover or loss of control, which could result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers and always make sure all vehicle occupants have their seat belts fastened.

⚠WARNING

Read and understand all instructions, warnings, cautions, and notes in this sheet and in your owners manual before you begin the installation of this body lift kit.

⚠CAUTION

Proper installation of a Performance Accessories body lift kit requires knowledge of the factory recommended procedures for disassembly and assembly of original equipment components. We recommend that the factory shop manual and any special tools necessary to your vehicle be on hand during the installation. Installation of this body lift kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of your vehicle. We strongly recommend that a certified mechanic familiar with the installation of similar components install this body lift kit.

⚠WARNING

This body lift kit should only be installed on vehicles in good working condition. Before installation, the vehicle should be thoroughly inspected for evidence of corrosion or deformation of the sheet metal around the factory body mounts. This body lift kit should not be installed on any vehicle that is suspected to have been in a collision or misused. Off road use of your vehicle with this body lift installed may increase the stress applied to the factory body mounts. We do not recommend that any vehicle with a body lift installed be involved in any extreme off road maneuvers such as jumping. Failure to observe this warning may result in serious personal injury and/or severe damage to your vehicle.

⚠WARNING

Many states now have laws restricting bumper heights and vehicle lifts. Local laws should be consulted to determine if the changes you intend to make to your vehicle comply with state laws. Before combining a body lift with a suspension lift, consult an installation professional to see how this will affect your specific application.

⚠WARNING

The installation of larger wheel and tire combinations may reduce the effectiveness of the Anti-lock Braking System.

⚠WARNING

Always wear eye protection when operating power tools.

⚠WARNING

Ensure that your vehicle tires are properly blocked and secured before you begin installation of this lift kit.

⚠WARNING

The Supplemental Restraint System (SRS, or air bag) must be deactivated during lift kit installation to avoid accidental air bag deployment while working near SRS sensors and wiring. Do not allow anyone near the air bag during lift kit installation. Accidental deployment can result in serious personal injury or death. Refer to your factory service manual/owner's manual for the recommended procedure to disable the SRS. The SRS must be reactivated before driving the vehicle.

⚠NOTE

Performance Accessories recommends using the Loctite® supplied in the kit on all hardware unless noted in the instructions.

A. Before you start.

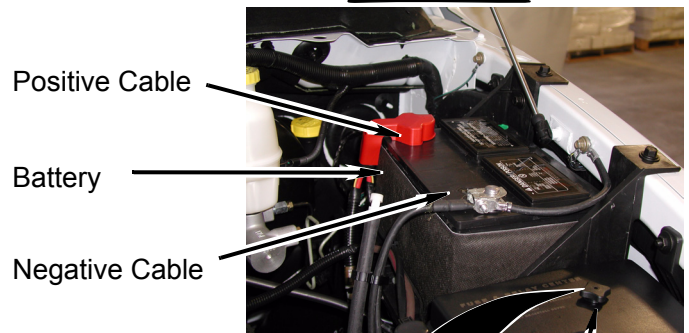
△NOTE

As you read through this procedure, note that each part referenced has been identified in the corresponding photo. Kit parts are prefaced by the word *kit* in italics.

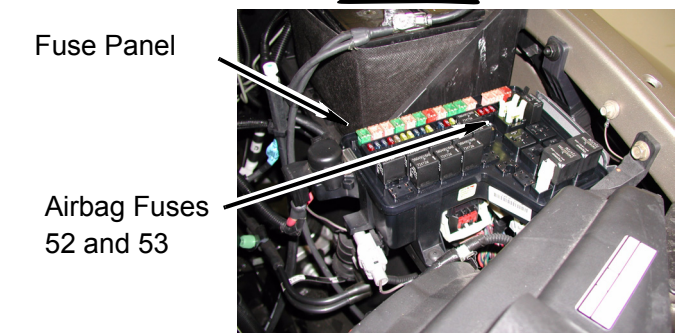
△NOTE

You will find it easier to keep track of hardware if immediately after removal you put the fasteners for each subassembly in a paper lunch bag and write on the bag where they go.

1. Read all warnings and instructions completely and carefully before you begin.
2. Check to make sure the kit is complete (refer to the Parts List, section E).
3. Only install this kit on the vehicle for which it is intended. If anytime during the installation you encounter something different from what is outlined in the instructions, call technical support at (928) 636-0979.
4. Park the vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
5. Disconnect both battery cables.
 - a. Disconnect the negative cable first, then the positive cable from the battery.
6. Remove Airbag Fuses.
 - a. Unscrew thumb wheel and remove fuse cover. Remove the two airbag fuses #52 and #53 from the fuse panel. Fuse locations may vary, so check fuse chart under fuse cover.



Thumb Wheel and Cover



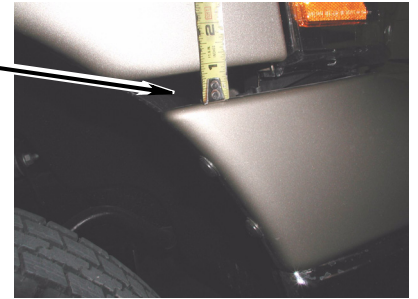
B. Get ready to install the kit.

1. Remove the front bumper.
 - a. Measure distance between the front bumper and front fenders. Record measurements.

Driver Side _____ Passenger Side _____



Measure Gap



⚠NOTE

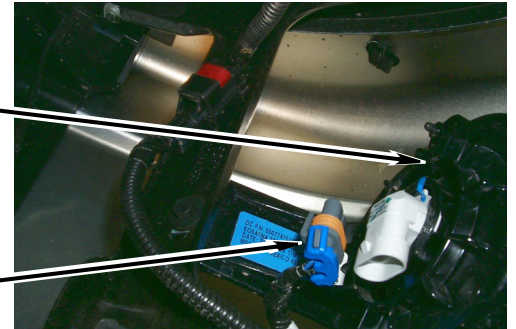
Disconnect any wire connectors from the front bumper in preparation for its removal.

- b. If so equipped, disconnect fog lamp wire connectors from both fog lamps.



Fog Lamp

Wire Connector

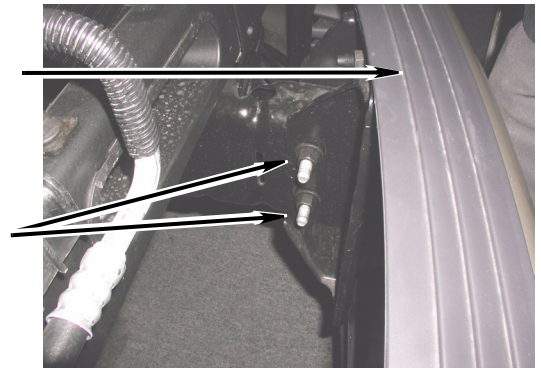


- c. Remove four nuts, four bolts, and front bumper from frame.



Bumper

Nuts,
Bolts

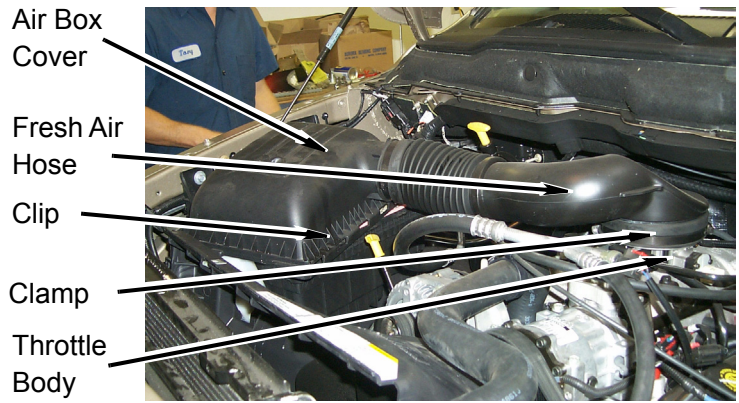


2. Under the hood. (Air intake)

2003 model year vehicle

- a. Release the four clips holding the airbox cover and loosen the clamp on the fresh air hose to throttle body. Remove airbox cover and fresh air hose from vehicle.

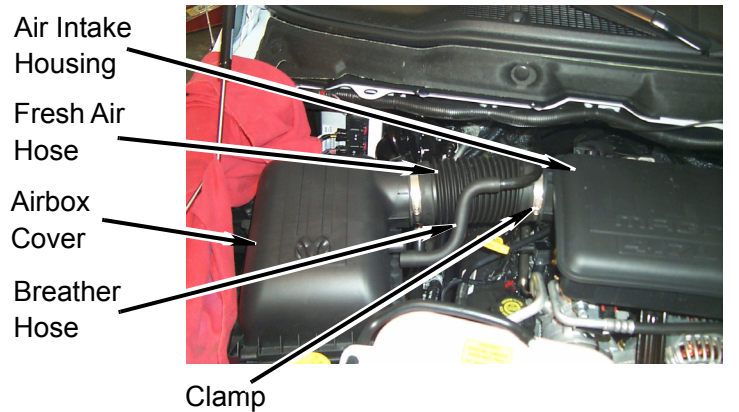
2003 MODEL YEAR



2004 model year vehicle

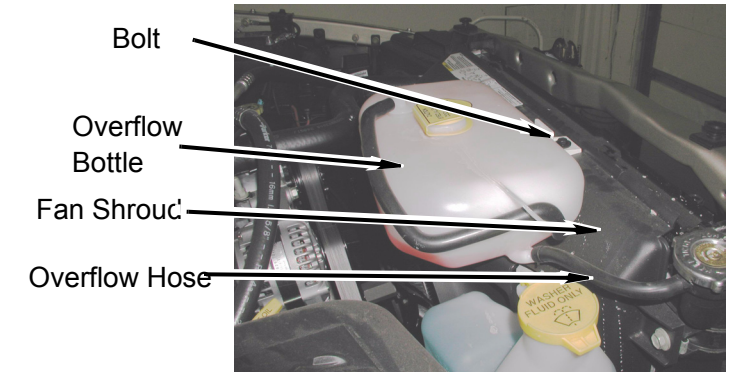
- b. Release four clips holding the airbox cover to airbox. Remove breather hose from airbox cover. Loosen the fresh air hose clamp at the air intake housing. Remove airbox cover and fresh air hose from vehicle.

2004 MODEL YEAR



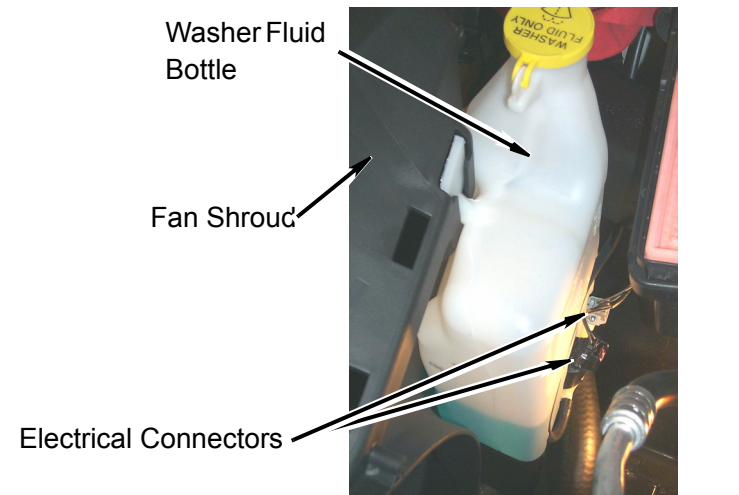
3. Fan shroud.

- a. Remove the bolt, overflow hose, and overflow bottle from the fan shroud.

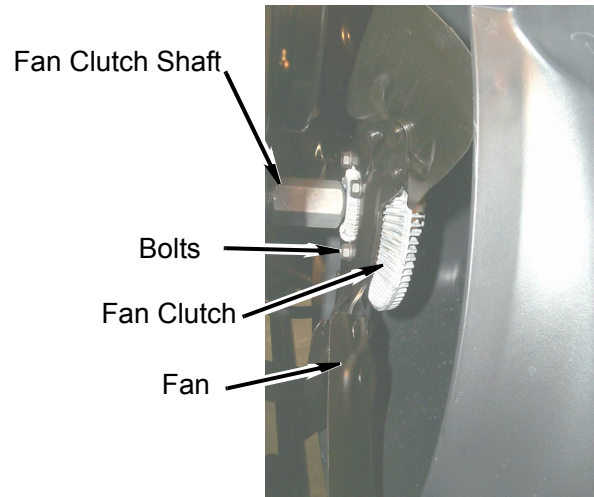


△NOTE
The black electrical connector, on the window washer fluid bottle, has a red release clip that must be slid outward before removing. Both electrical connectors can then be removed from the window washer fluid bottle by pushing in on the release tab and pulling up on the connector.

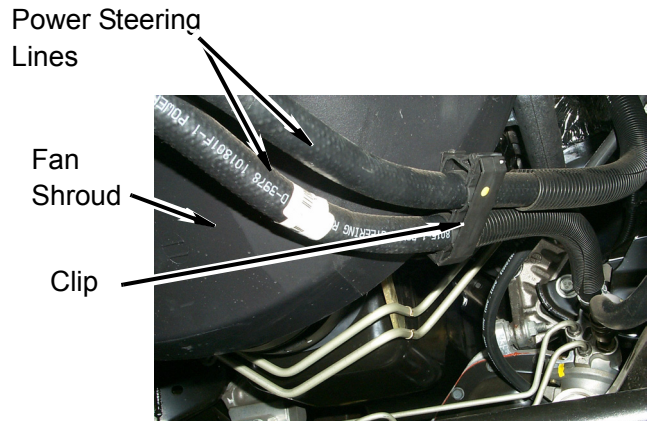
- b. Remove two electrical connectors from window washer fluid bottle.
- c. Remove window washer fluid bottle from fan shroud. Position window washer fluid bottle off to the side of engine compartment.



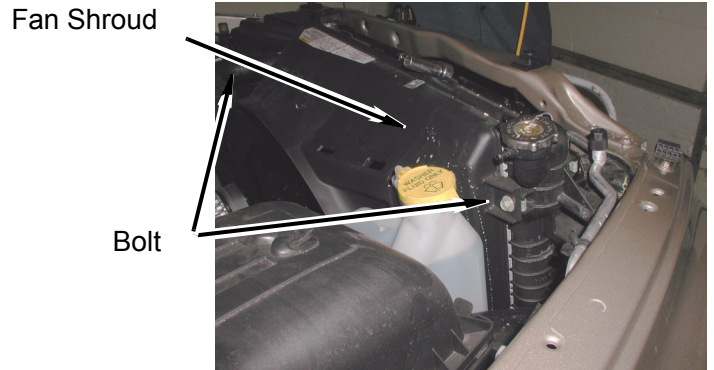
- d. Remove four bolts and fan from fan clutch. Pull fan toward engine, rest fan on fan clutch shaft.



- e. Remove two power steering lines and clip from the fan shroud.



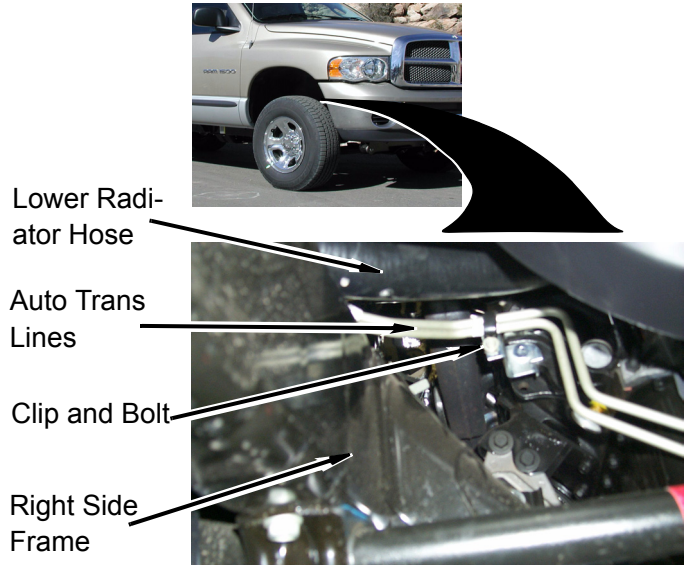
- f. Remove two bolts and fan shroud from radiator.
- g. It may be necessary to hold upper radiator hose out of way during the fan shroud removal.



⚠CAUTION
Do not damage the radiator while removing the fan shroud.

⚠NOTE
This does not apply to manual transmission vehicles.

- h. If so equipped, remove bolt, clip and two automatic transmission cooler lines from engine block.



4. Steering

⚠NOTE

Ensure steering shaft does not turn independently of the steering gearbox. This could cause the air bag system to malfunction, resulting in serious personal injury or damage to the equipment.

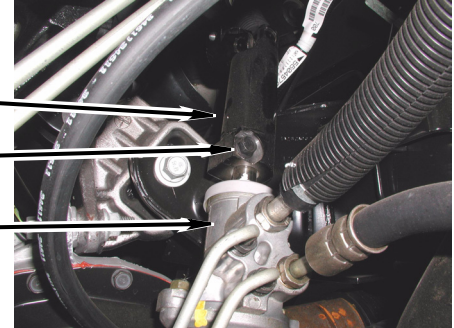
- a. Straighten steering wheel and strap wheel so it will not turn.

⚠NOTE

Intermediate shaft may not separate from rack and pinion until the cab is lifted.

- b. Remove bolt and intermediate shaft from rack and pinion. Slide intermediate shaft up to separate from rack and pinion.

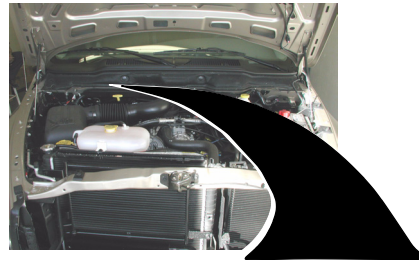
Intermediate Shaft
Bolt
Rack and Pinion



⚠NOTE

This does not apply to the 2004 model year Ram 1500.

- c. Remove nut and ground strap from stud located on the passenger side of the firewall.



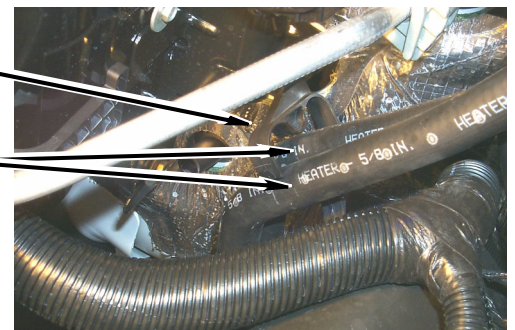
Nut and Stud
Ground Strap



- d. Remove two heater hoses from clip on the passenger side of the firewall.



Clip
Heater Hoses

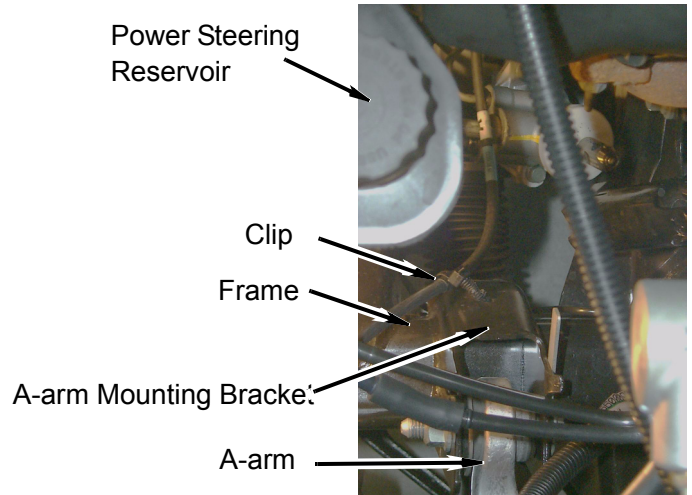


△NOTE

The following items may vary depending on vehicle model year.

5. Along the frame rails/under cab.

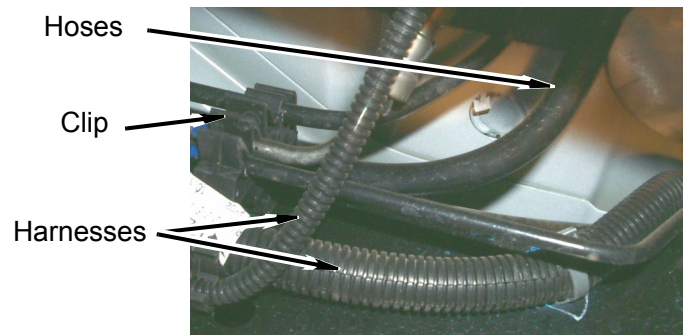
- a. Remove clip from driver side frame.



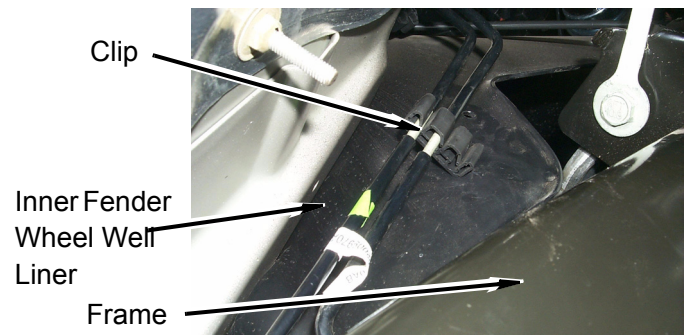
△NOTE

Automatic transmission only.

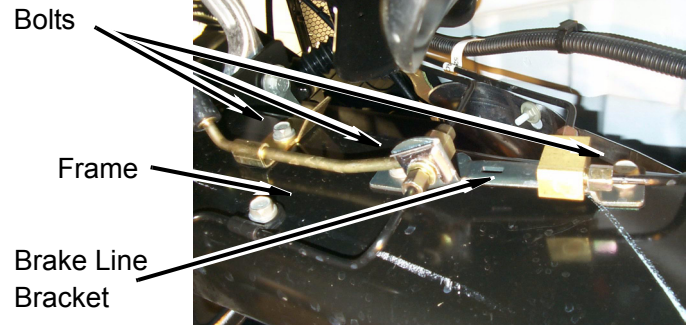
- b. Remove clip, two harnesses, hose, and three hard lines from frame driver side.



- c. Remove brake lines from the retaining clip on the driver and passenger side inner wheel well.



d. Remove three bolts and brake line bracket from frame.



e. Remove the bolt and ground strap from frame behind the left front wheel.



f. Remove harness clip from frame body mount bracket.



6. Parking brake cable

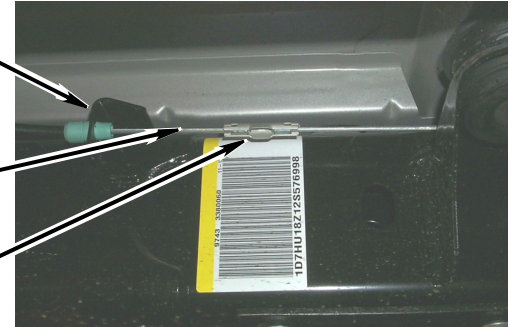
- a. Pull some slack in the parking brake cable and clamp cable at driver side frame mount with a vice grip.
- b. Separate the parking brake cable at the cable connector.
- c. Remove parking brake cable from driver side frame mount.



Frame Mount

Park Brake Cable

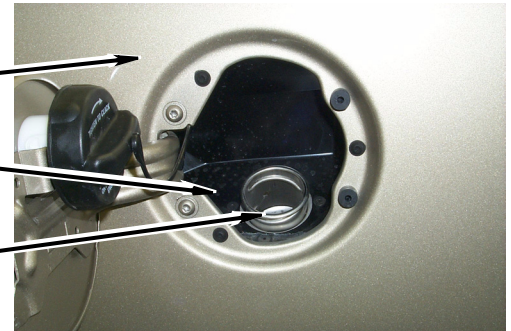
Park Brake Cable Connector



Bed

Bolts

Fuel Filler



⚠WARNING

Use extreme caution when working near fuel lines and fuel tank. Clean up spilled fuel immediately. Any spark could cause an explosion or fire resulting in serious personal injury and property damage.

7. Remove the fuel filler.

- a. Remove gas cap from fuel filler.
- b. Remove three bolts from bed and fuel filler.

8. Remove the rear bumper.

- a. Measure the distance between rear bumper and tailgate on both the driver and passenger sides.

Driver Side _____ Passenger Side _____

⚠NOTE

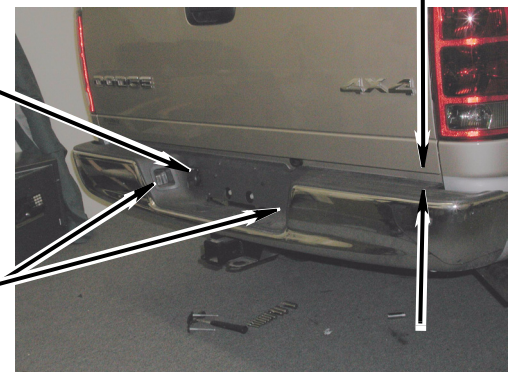
Some connectors may have locking tabs that require them to be slid to the side or pressed to get the connectors apart.

- b. Remove all wire connectors attached to the back side of the rear bumper. This includes license plate light and trailer tow electrical connectors.
- c. Remove two screws and license plate from rear bumper.

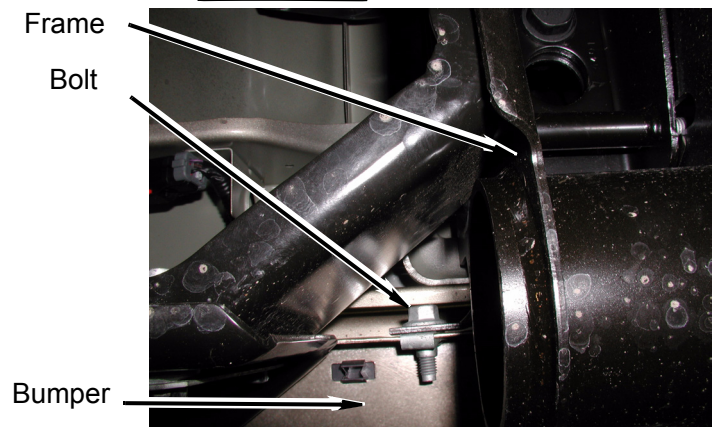
Measure Gap

Trailer Tow Connector

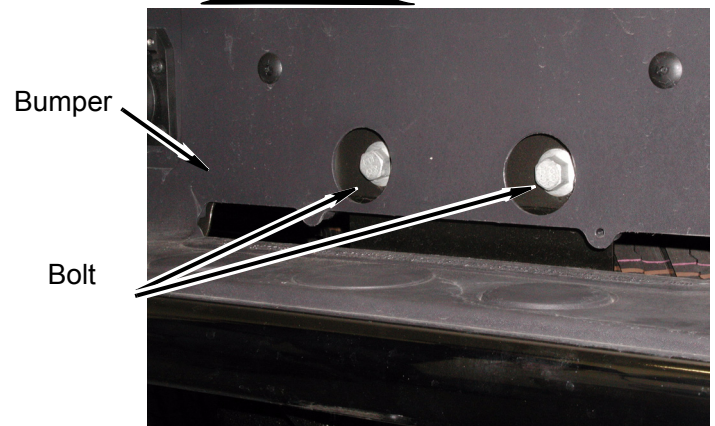
License Plate Lights



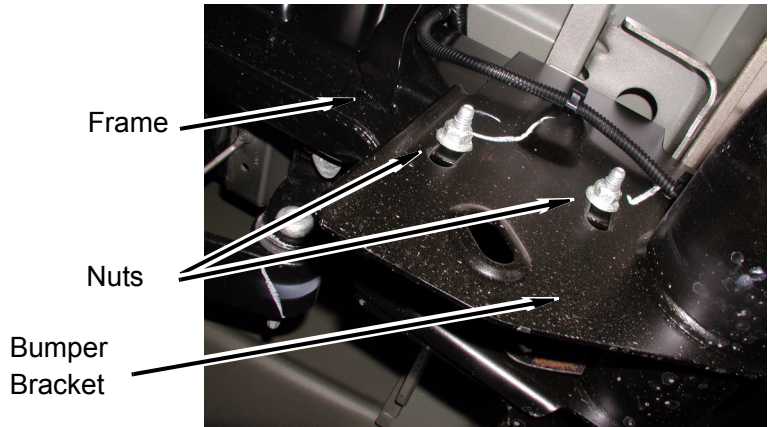
d. Remove two bolts from bumper and frame.



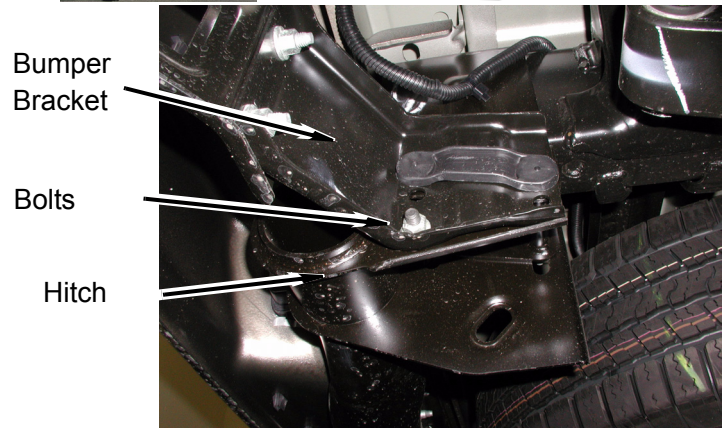
e. Remove two bolts from rear bumper and hitch.



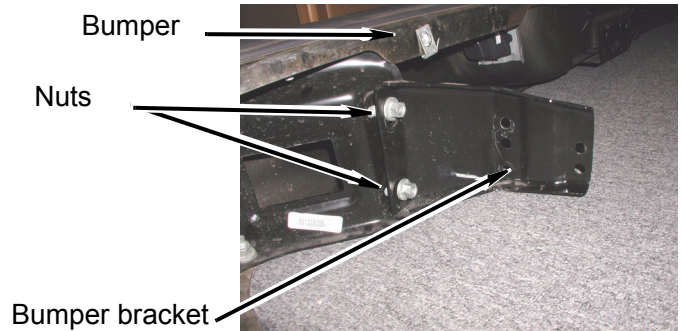
- f. Remove four nuts and two double bolt fasteners from bumper brackets and frame.



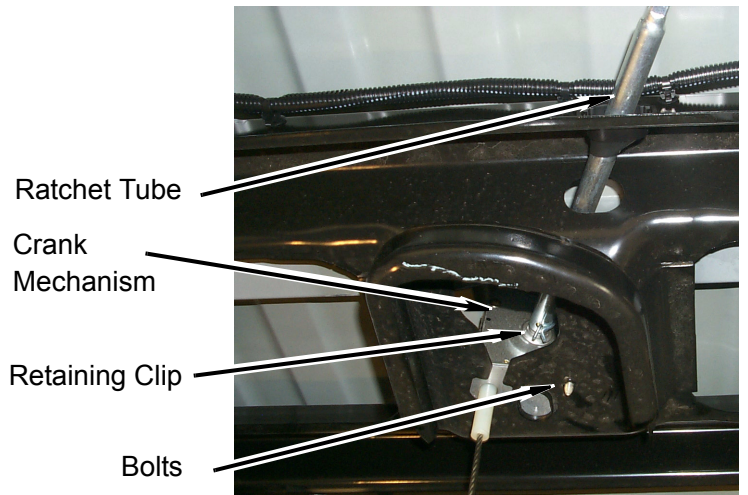
- g. Remove the two nuts and bolts from the bumper brackets and hitch.



- h. Remove rear bumper from frame.
- i. Remove four nuts, two double bolt fasteners and rear bumper brackets from rear bumper.



- 9. Spare tire.
 - a. Lower spare tire to the ground (see owner's manual).
 - b. Remove retaining clip and ratchet tube from spare tire crank mechanism.
 - c. Remove two bolts and spare tire crank mechanism from crossmember.



10. Manual transmission vehicles

⚠NOTE

Steps 10 through 12 are for manual transmission vehicles only. Steps 13 pertain to manual 4wd vehicles only. Automatic transmission/transfer case vehicles skip these steps.

- a. Shift transmission into neutral.
- b. Remove transfer case shift lever boot from center console and slide boot up the shift lever.
- c. Unscrew transmission shift lever from shift tower.

⚠NOTE

Some of the bolts are under the rubber inserts in the cup holders.

- d. Remove the bolts holding the center console to the floor.
- e. Remove the center console from the floor by feeding the transfer case shift boot through the opening in the console.
- f. Remove the six bolts holding the shift lever boot seal to the floor.
- g. Remove rubber cover from shift tower.

Transfer Case Shift Lever

Transfer Case Shift Lever Boot



Transfer Case Shift Lever Boot

Transmission Shift Lever
Rubber Cup Holder Inserts



Center Console

Transfer Case Shift Lever Boot



Shift Lever Boot Seal

Bolts

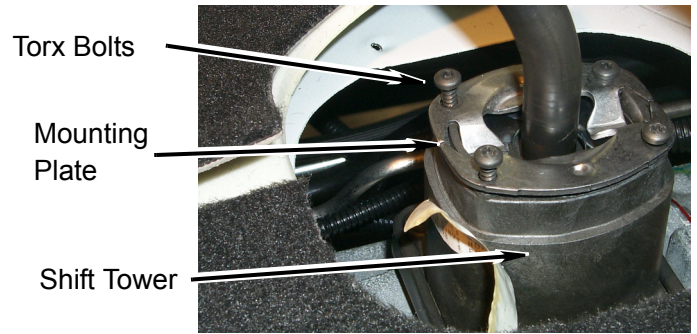


Rubber Cover

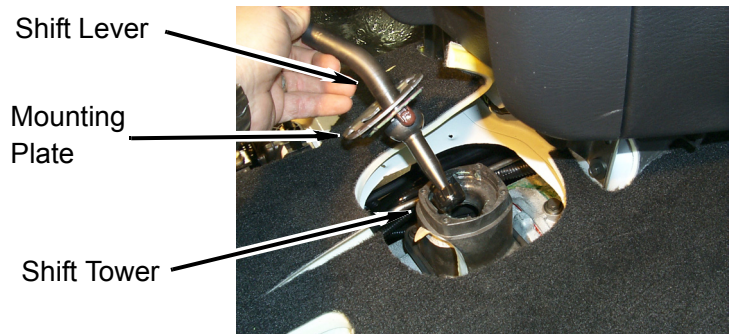
Shift Tower



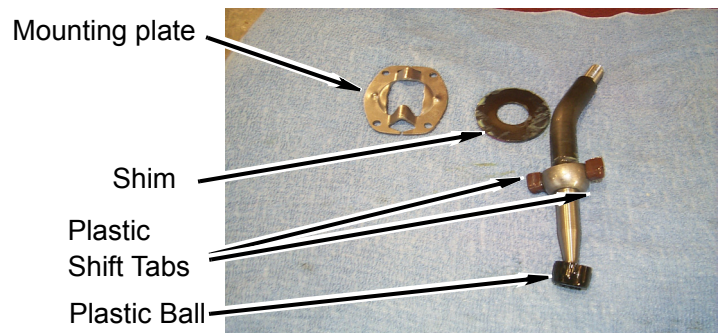
- h. Remove four torx bolts from shift tower mounting plate.



- i. Remove shift lever from shift tower.



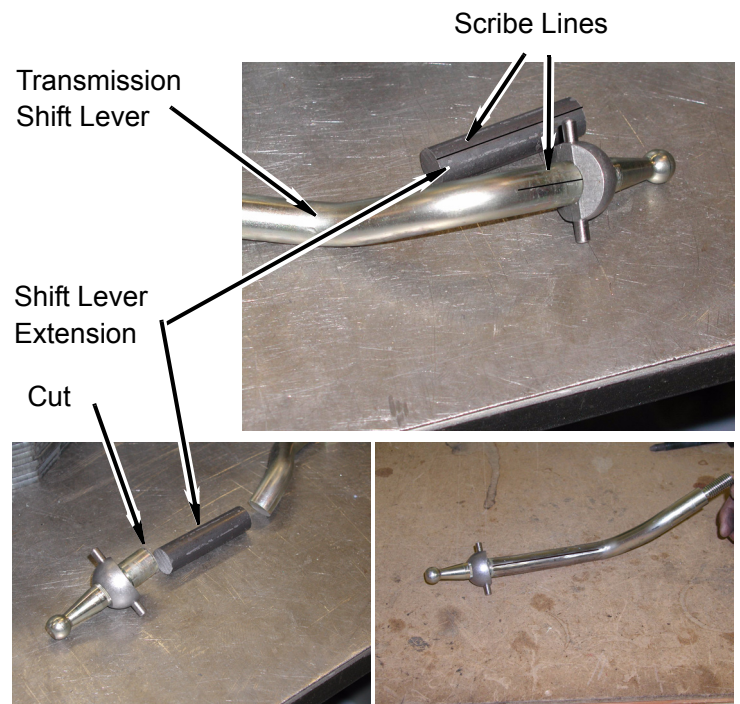
- j. Remove two plastic shift tabs, plastic ball, shim, and mounting plate from shift lever.



⚠WARNING
 Be careful not to damage any of the parts attached to the shift levers during cutting and welding or damage to the equipment could result. A certified welder should perform all welding.

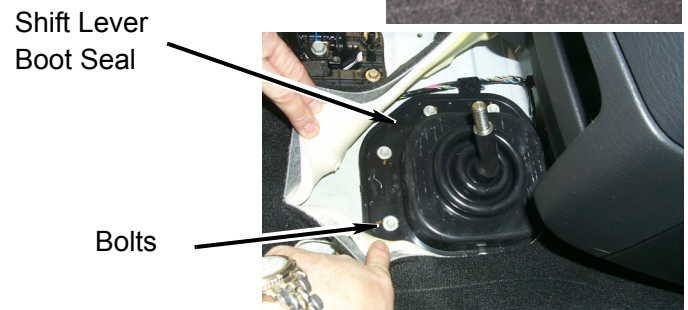
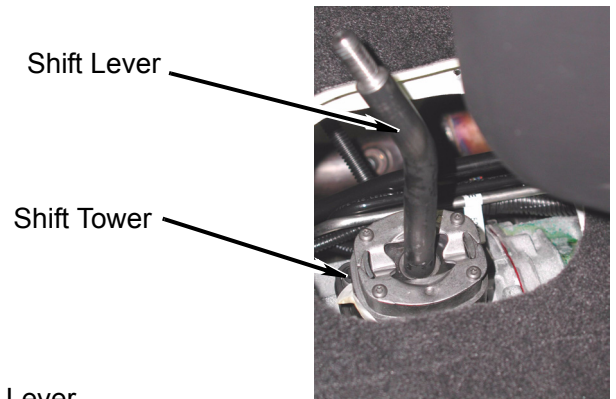
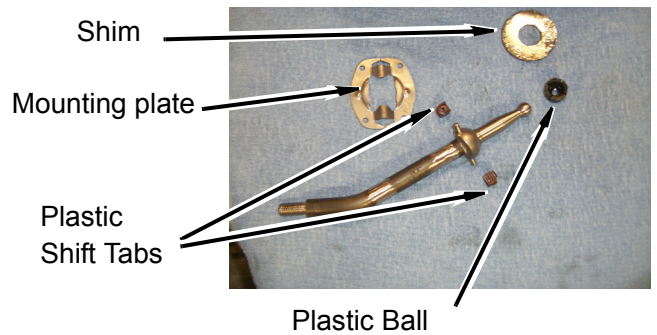
11. Lengthen transmission shift lever.

- a. Scribe a line along the side of the transmission shift lever (below the lowest bend). Cut the lever into two pieces as shown and deburr as necessary.
- b. Scribe a line along the side of the *kit* transmission shift lever extension. Position transmission shift lever extension between the two pieces of the shift tower lever. Ensure the scribed lines on the *kit* transmission shift lever extension and transmission shift lever align. Weld the extension in place.
- c. Grind the weld surfaces smooth in order to re-install the previously removed shim and plate to the shift lever.



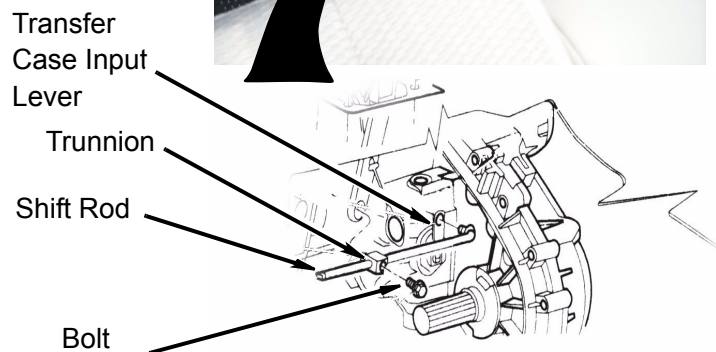
12. Install modified transmission shift lever.

- a. Install two plastic shift tabs, plastic ball, shim, and mounting plate on shift lever.
- b. Install shift lever to shift tower with the four torx bolts.
- c. Install rubber cover on shift tower.
- d. Install the shift lever boot seal to the floor with the previously removed six bolts.
- e. Install the center console to the floor by feeding the transfer case shift boot through the opening in the console.
- f. Screw the transmission shift lever back onto the shift tower lever.
- g. Install the bolts holding the center console to the floor.
- h. Install the transfer case shift lever boot to the center console by pressing in all the clips.
- i. Replace the rubber cup holder inserts into the center console.
- j. Check transmission shift lever operation. Ensure there is complete engagement in all gears.



13. Transfer case shift linkage

- a. Move transfer case shift lever into 2H position.
- b. Remove trunnion and shift rod from 4wd shift lever and transfer case input lever.



C. Install the kit.

1. Prepare to lift cab from frame.

⚠WARNING

Failure to replace the OEM cab mounting hardware (except mounting bolts in the kit) in the stock locations could result in serious personal injury or damage to the vehicle.

⚠NOTE

Depending on model year, some washers used with cab bolts may be captive washers and some may be standard washers. Standard washers are to be used during reassembly.

- a. Measure gap between cab and bed for later reference.

Driver Side _____ Passenger Side _____

- b. Loosen but do not remove the two core support bolts from core support mounting pads at front of vehicle.
- c. Loosen but do not remove four (six on the extended cab models) cab mounting bolts.

⚠WARNING

Use extreme caution when lifting cab from frame. Ensure lifting device is securely placed. Keep hands out from between frame and cab, or serious personal injury could result.

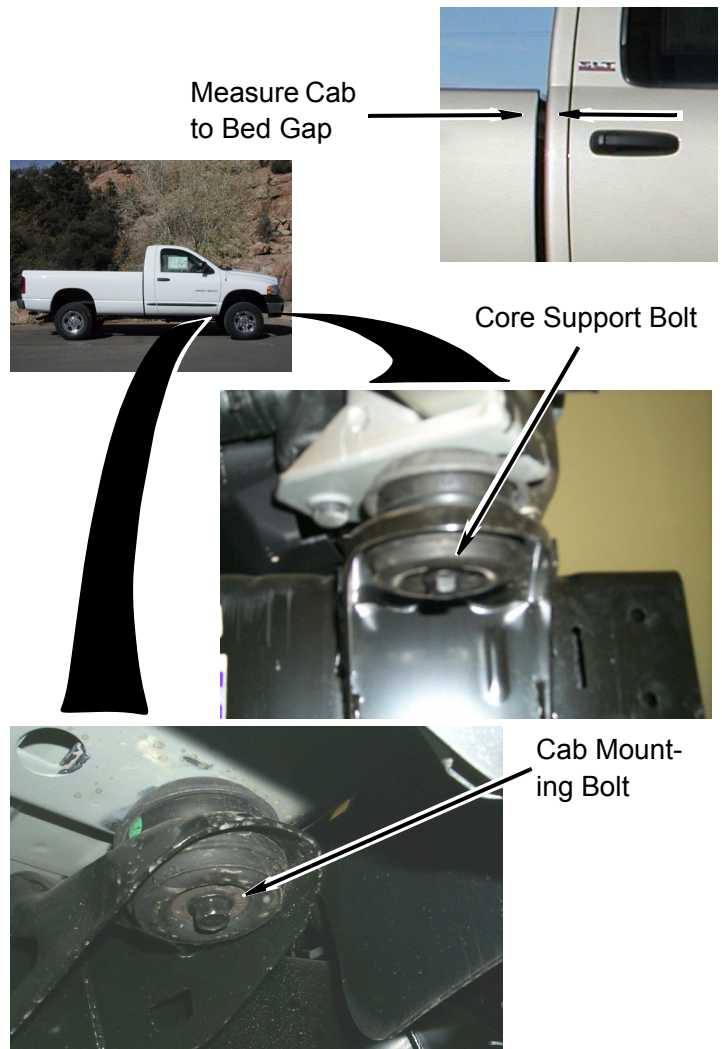
⚠CAUTION

Continually check hoses, wires, lines, etc. to be sure that everything is flexing properly and not binding, or damage to the vehicle could result. Be especially careful of the a/c hoses at the firewall, the belt pulley, and at the core support. Ensure brake lines stretch while lifting. Bending the lines to gain ample slack may be necessary. Be extremely careful not to kink the lines.

⚠NOTE

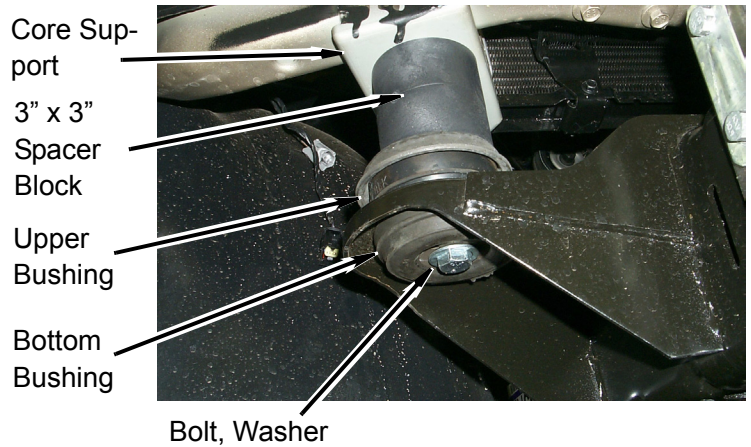
Ensure stock spacers and cab mounting pads stay on vehicle unless otherwise specified in these instructions. Kit spacer blocks are installed in addition to the stock spacers and cab mounting pads.

- d. Remove four bolts, washers (if present), and bottom bushings from the passenger side of cab only. Start with the core support and work toward the back of the cab.



2. Installation of passenger side cab spacer blocks.

- a. Using a hydraulic jack and a wooden block, slowly lift the cab on the passenger side just high enough to position a *kit* 3" x 3" spacer block between the core support mounting pad and the upper bushing metal cup.
- b. Position a *kit* 3" x 3" spacer block on each of the body mounting locations.
- c. Install the *kit* 3" x 3" spacer block on core support using a *kit* 12mm x 1.75 x 180mm bolt, a *kit* 7/16" USS washer, and bottom bushing as shown. Do not tighten.
- d. Install the *kit* 3" x 3" spacer block body mounts using a *kit* 12mm x 1.75 x 180mm bolts, *kit* 7/16" USS washers and previously removed parts as shown. Do not tighten.
- e. Slowly release the hydraulic jack and lower the cab onto the spacer blocks.



3. Install the cab driver's side spacer blocks.

- a. Repeat steps 2a through 2e above for the cab driver's side.

4. Finish the cab spacer block installation.

- a. Set cab to bed spacing per the previously recorded measurement from step C1a.
- b. Remove each of the *kit* 12mm x 1.75 x 180mm bolts, installed above, one at a time. Place a few drops of Loctite® on the threads near the bolt end and install. Tighten the bolts to 55 lb-ft. Verify cab to bed spacing after all bolts have been tightened. Refer to step C1a for measurement.

5. Install the bed passenger's side spacer blocks.

- a. Loosen but do not remove the six (eight on a long bed) bed mounting bolts.
- b. Remove the bed mounting bolts on the passenger side of the vehicle.
- c. Using a hydraulic jack and a wooden block, slowly lift the bed on the passenger side just high enough to position a *kit* 3" x 3" spacer block between the bed and the bed mounting pads.
- d. Position a *kit* 3" x 3" spacer blocks on each of the bed mounting locations.



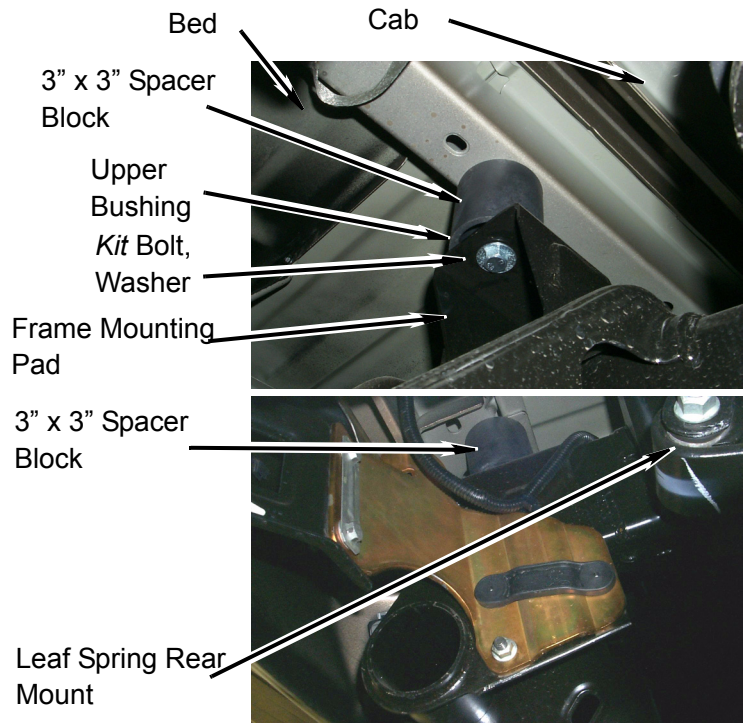
- e. Install the bed mounts using two *kit* 12mm x 1.50 x 100mm bolts, two *kit* 7/16" USS washers and the removed bottom bushing as shown. Do not tighten.
- f. Install the farthest back bed mounts, nearest the rear bumper, using *kit* 12mm x 1.50 x 120mm bolt, *kit* 7/16" USS washer and the removed bottom bushing as shown. Do not tighten.
- g. Slowly release the hydraulic jack and lower the bed onto the spacer blocks.

6. Install the bed driver's side spacer blocks.

- a. Repeat steps 5a through 5g above for the bed driver's side.

7. Finish the bed spacer block installation.

- a. Set the cab to bed spacing per the previously recorded measurements in step C1a.
- b. Remove each of the bolts, installed above, one at a time. Place a few drops of Loctite® on the threads near the bolts end and re-install. Tighten the bolts to 55 lb-ft. Verify cab to bed spacing after all bolts have been tightened.



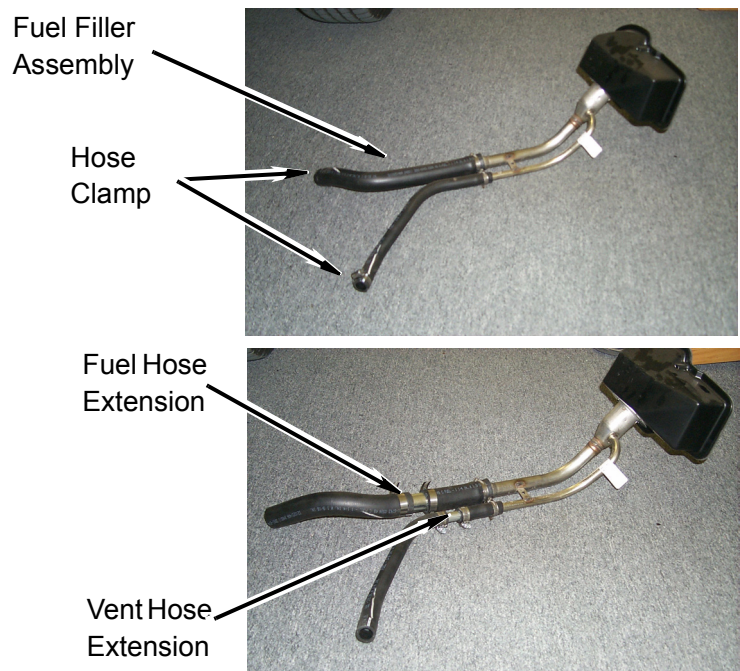
⚠WARNING
 Use extreme caution when working near fuel lines and fuel tank. Clean up spilled fuel immediately. Any spark could cause an explosion or fire resulting in serious personal injury and property damage.

8. Install fuel filler.

2003 model year vehicle

- a. Remove two hose clamps and fuel filler assembly from the fuel tank.
- b. Carefully cut the vent and fuel hose where shown (Approximately 2" from the metal tube end).
- c. Install the *kit* (1 1/4" x 5") fuel hose extension on the filler hose with two *kit* #36 hose clamps.
- d. Install the *kit* (5/8" x 4") vent hose extension on the vent hose with the two *kit* #10 hose clamps.
- e. Install the fuel filler assembly on the fuel tank with the hose clamps.
- f. Install fuel filler assembly to the bed with the three mounting bolts.

2003 MODEL YEAR

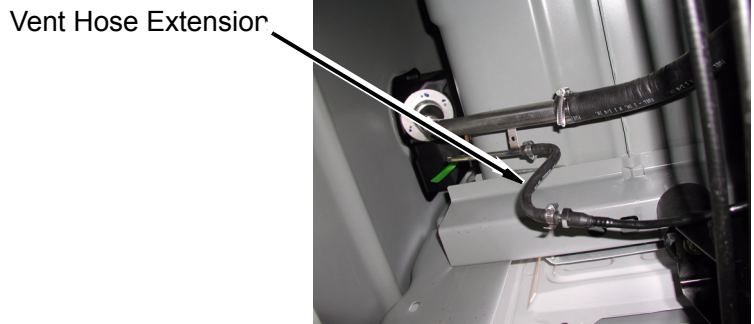
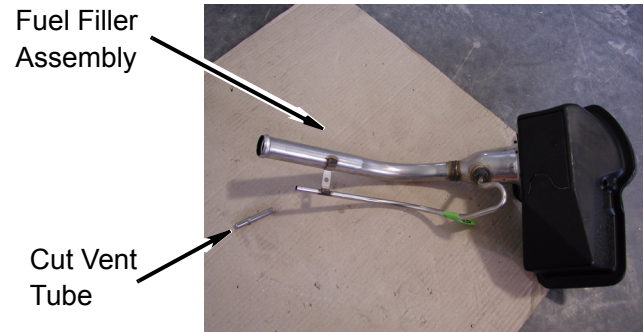
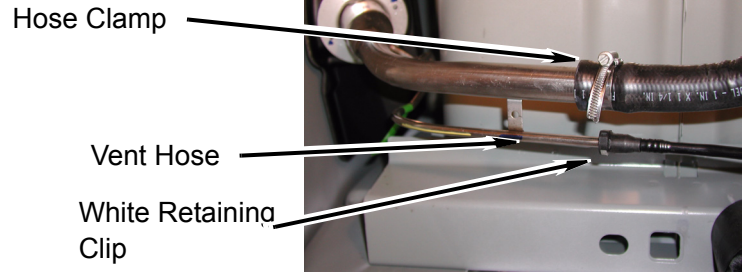


- g. Install gas cap.

2004 model year vehicle

- h. Slide the white retaining clip outward, unlocking vent hose from fuel filler assembly.
- i. Remove hose clamp and fuel hose, vent hose, and fuel filler assembly from vehicle.
- j. Carefully cut the vent tube (metal portion), in half, where shown (Approximately 2" up the metal tube end).
- k. Install *kit* (1/4" x 3") vent hose extension on vent tube using the two #6 hose clamps.

2004 MODEL YEAR

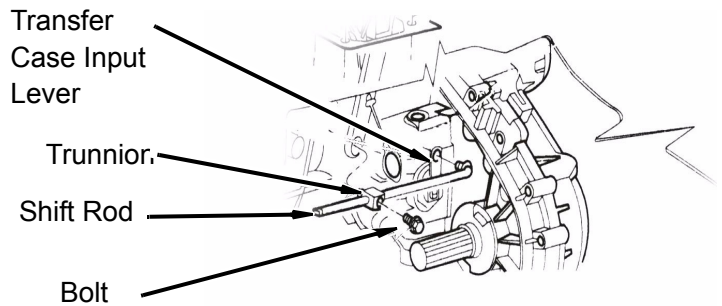


△NOTE
 The fuel filler hose may require some adjustment/realignment to allow the fuel filler assembly attachment to the body in the next step.

- l. Install the fuel filler assembly on the fuel hose and vent hose. Push in white retaining clip.
- m. Install fuel filler assembly on the bed with three bolts.
- n. Install gas cap.

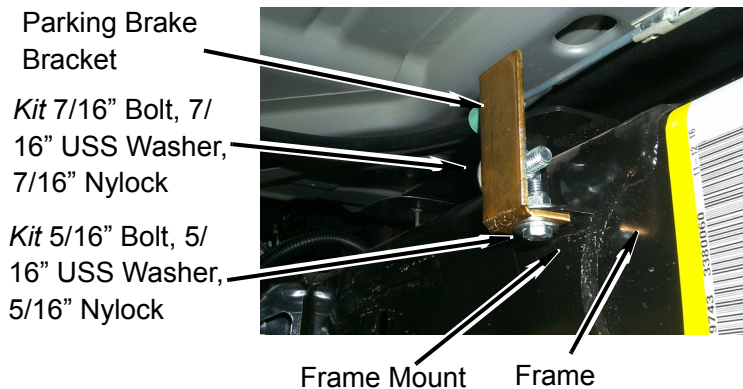
△NOTE
 Step 3 is for vehicles with manual transfer case only. Other models skip this step.

- 9. Transfer case shift linkage
 - a. Install shift rod in transfer case input lever.
 - b. Install trunnion in 4wd shift lever.
 - c. Verify the 4wd shift lever operation. Ensure there is complete engagement in all ranges. It may be necessary to adjust the position of the trunnion on the shift rod to achieve the desired results.



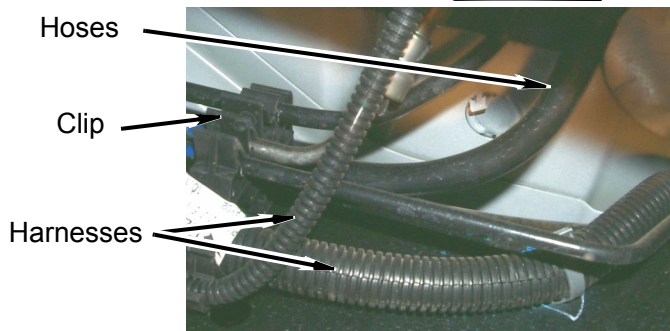
10. Along the frame rails/under cab.

- a. Using the *kit* parking brake bracket, as a template, mark and drill a 5/16" hole in the bottom of the frame mount on the driver side frame rail.
- b. Install *kit* parking brake bracket on frame mount using a *kit* 5/16" x 1" bolt, two *kit* 5/16" USS washers, and one *kit* 5/16" nylock nut as shown.
- c. Install a *kit* 7/16" x 1" bolt, two *kit* 7/16" SAE washers, and a *kit* 7/16" nylock nut to the side of the parking brake bracket as shown.
- d. Route front parking brake cable through the largest hole in the parking brake bracket and reconnect the front parking brake cable to rear cable.



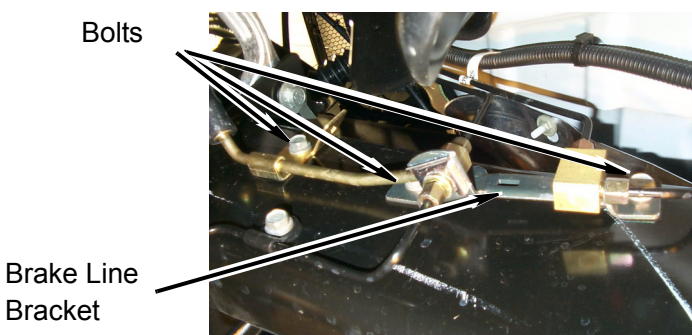
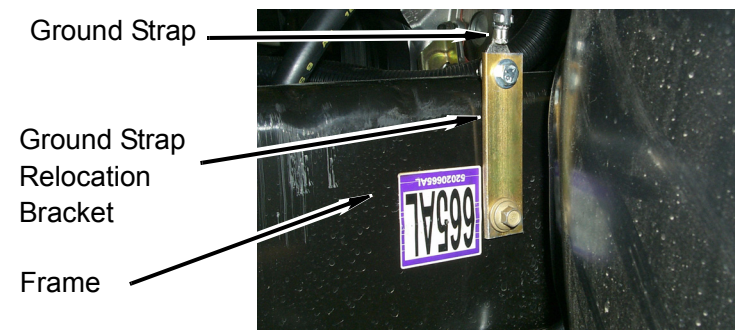
NOTE
Automatic transmission only.

- e. If possible, install clip, two harnesses, hose, and three hard lines on frame driver side.
- f. Install the *kit* ground strap extension bracket to frame with bolt.
- g. Install ground strap to *kit* ground strap extension bracket with a *kit* 1/4" x 1" bolt, two *kit* 1/4" SAE washers, and *kit* 1/4" nylock nut.



WARNING
Some slight bending of brake lines may be required to get the bolts to align with the holes in the frame. Use caution when bending brake lines.

- h. Install brake line bracket to frame with three bolts.

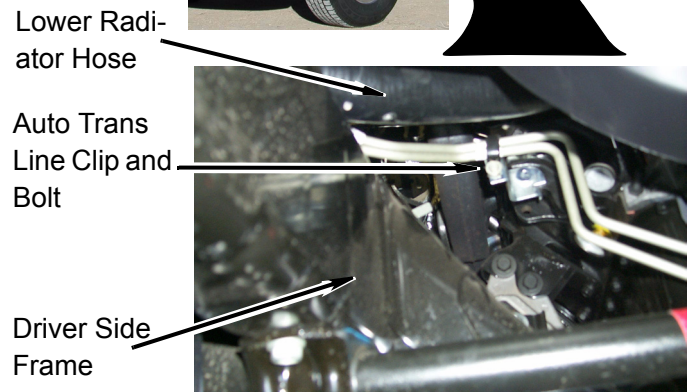
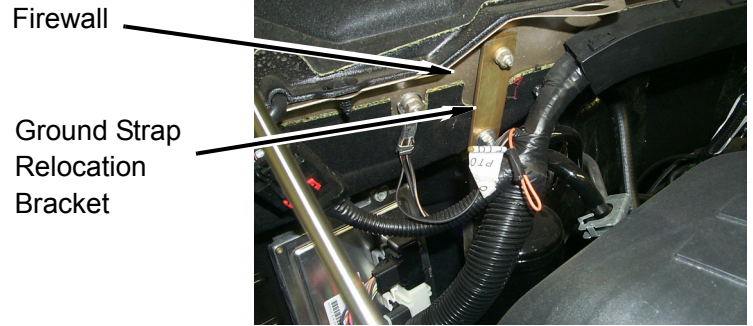


11. Under the hood.

NOTE

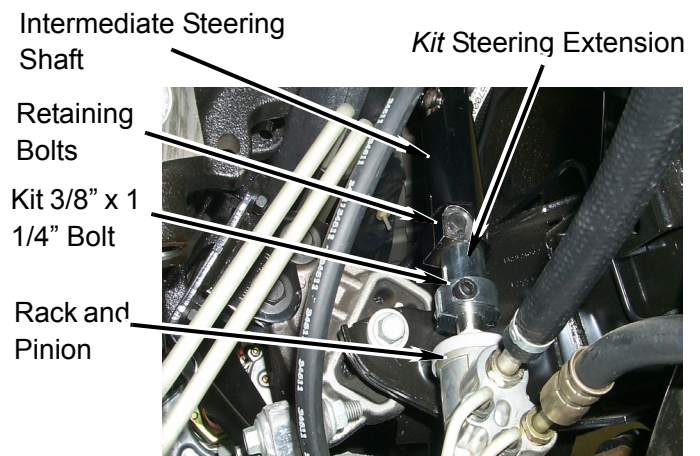
Steps C11a and C11b do not apply to the 2004 model year Ram 1500.

- a. Install *kit* bracket on the firewall stud with nut.
- b. Install ground strap on *kit* bracket with *kit* 1/4" x 1" bolt, two *kit* 1/4" SAE washers, and *kit* 1/4" nylock nut.
- c. If removed, install automatic transmission line clip and two lines on engine block with bolt.

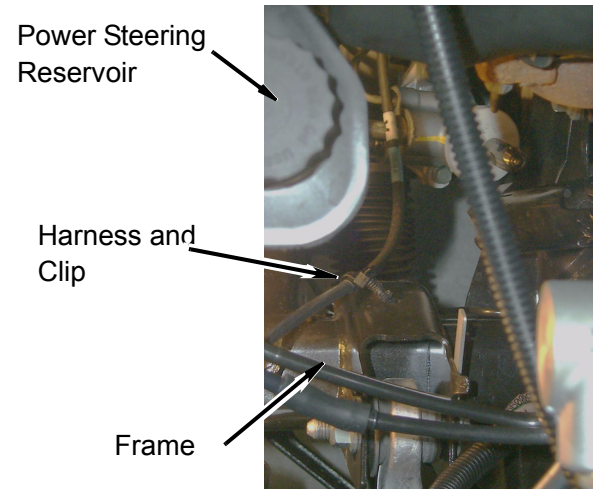


12. Steering extension install.

- a. Place a few drops of Loctite® on the threads of the retaining bolts.
- b. Install the *kit* steering extension on the rack and pinion shaft with the *kit* 3/8" x 1 1/4" socket head bolt. Do not tighten.
- c. Install Intermediate steering shaft on *kit* steering extension with the stock retaining bolt.
- d. Tighten steering bolts to 33 lb-ft.



13. If possible, install harness and clip on A-frame mount.

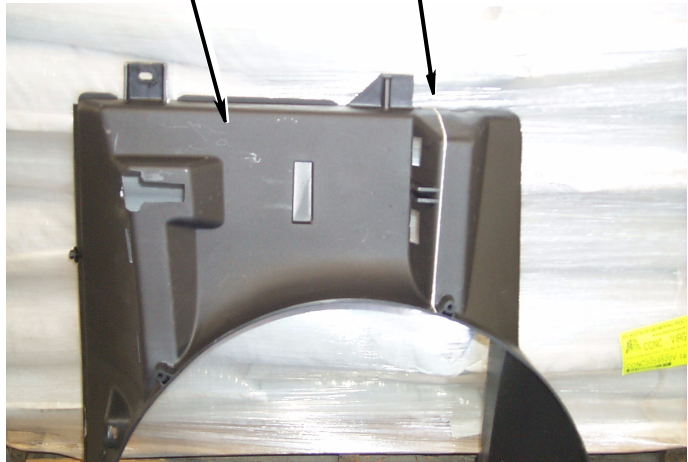
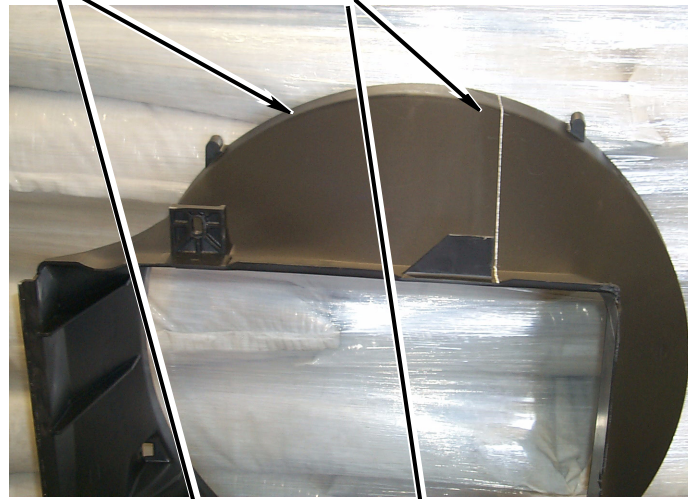


14. Radiator shroud.

- a. Mark a cut line on the fan shroud as shown. Ensure cut line is exactly as marked.
- b. Using the cut lines drawn, cut the fan shroud in half.

Fan Shroud

Cut Lines



- c. Cut mounting tab from lower half of fan shroud.



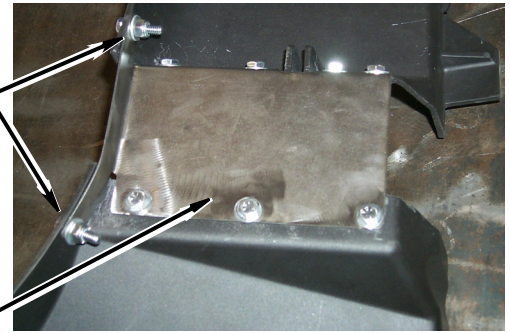
Mounting Tab Cut
(before and after)

d. Using the two *kit* fan shroud brackets as a template, position each bracket on the outside lower fan shroud previously cut. Mark and drill a 1/4" hole in each of the marked locations.

e. Install the *kit* fan shroud brackets on the outside of the fan shroud with 9 *kit* 1/4" x 1" bolts, 18 *kit* 1/4" SAE washers, and 9 *kit* 1/4" nylock nuts provided. **Ensure bolt heads are facing as shown.**

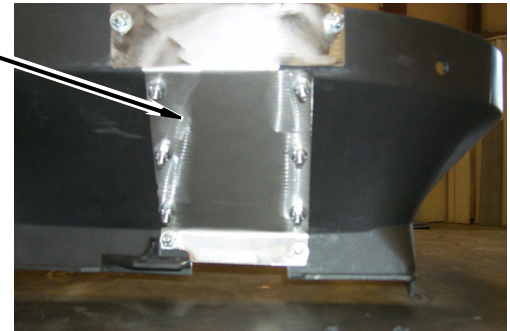
The Two Indicated Bolts Have the Threads on the Outside of the Shroud.

Passenger Side Fan Shroud Bracket



Driver Side Fan Shroud Bracket

All Bolts on the Driver Side Bracket have the Threads on the Outside of the Shroud.

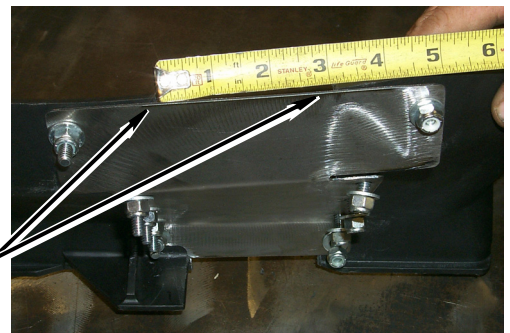


f. Match up lower fan shroud, with installed *kit* brackets, to the upper fan shroud. Measure three inches (3") between the two fan shroud halves as shown.

g. Using the *kit* fan shroud brackets as a template, mark and drill the required 1/4" holes in the top half of the fan shroud.

h. Install the two *kit* brackets to the upper fan shroud using the 9 *kit* 1/4" x 1" bolts, 18 *kit* 1/4" SAE washers, and 9 *kit* 1/4" nylock nuts provided. **Ensure bolt heads are facing as shown above.**

Measure 3" Between Fan Shroud Halves



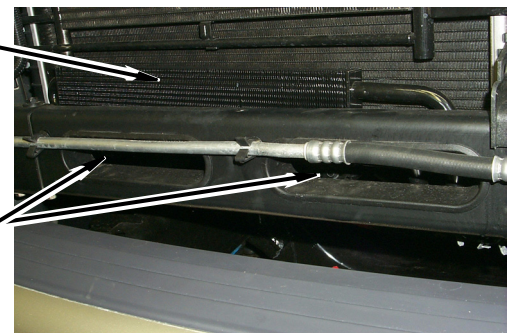
Completed Fan Shroud



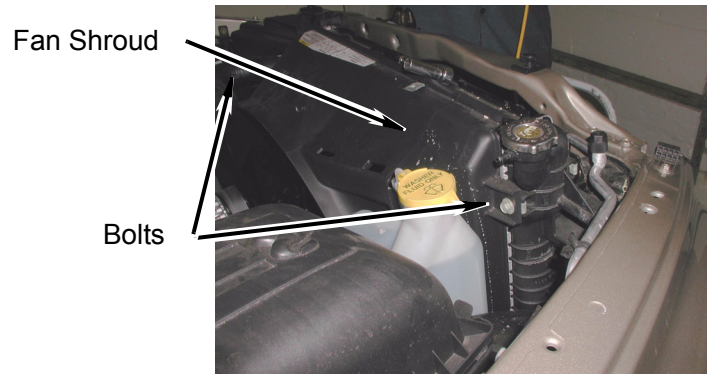
i. Remove the two bolts holding the power steering cooler to the radiator. Allow the power steering cooler to hang down under the vehicle. Do not disconnect lines.

Power Steering Cooler

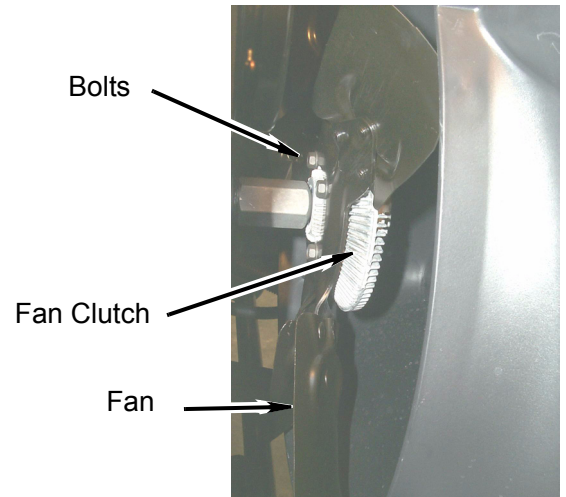
Bolts



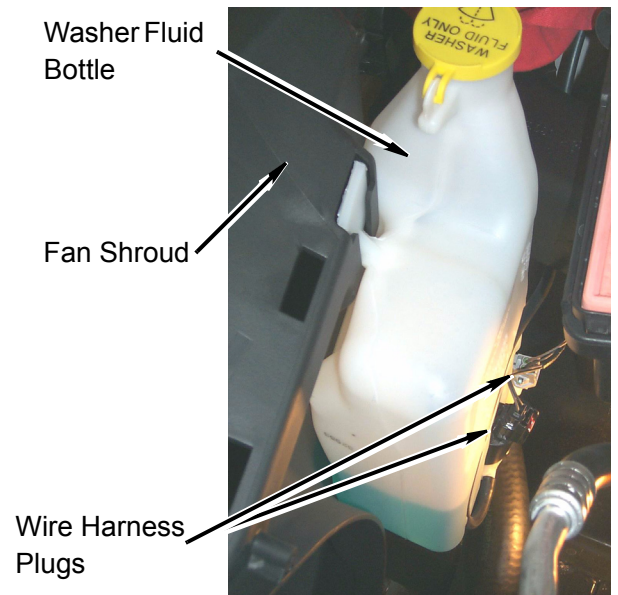
- j. Position fan shroud onto the radiator. Ensure fan shroud tabs are fully in radiator slots. Fasten the fan shroud to radiator with two fan shroud bolts.



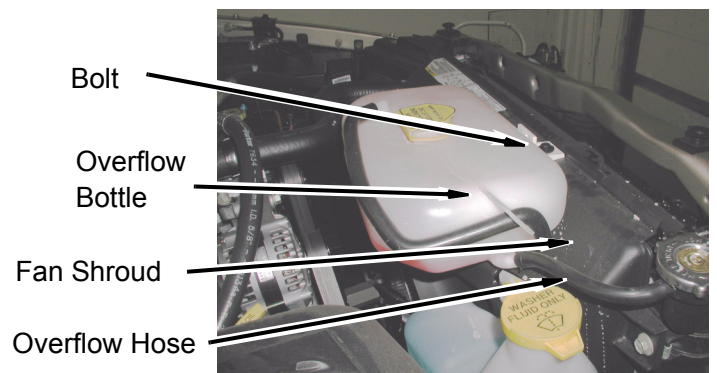
- k. Install cooling fan to fan clutch with four bolts.



- l. Install washer spray bottle on fan shroud and connect the two wire harness plugs.

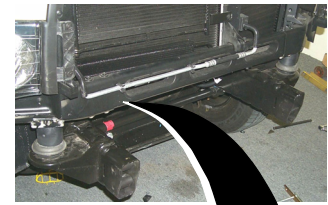


- m. Install radiator overflow bottle onto the radiator shroud with bolt. Connect the overflow hose to radiator and check coolant level.



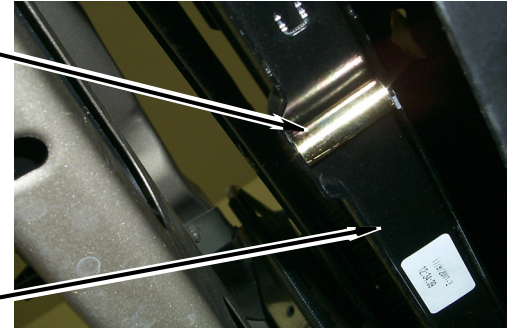
15. Power steering cooler and lower fan shroud block off plates

- a. Position two *kit* 1 1/2" tube spacers in the bottom of the radiator as shown.



1 1/2" Tube Spacer

Radiator

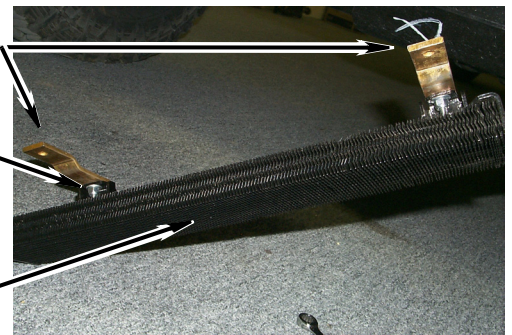


- b. Install two *kit* s-brackets on the power steering cooler brackets. Use two *kit* 1/4" SAE washers, and two *kit* 1/4" nylock nuts to install the *kit* s-brackets.

Kit "S"-Brackets

Kit 1/4" Washers, Nuts

Power Steering Cooler

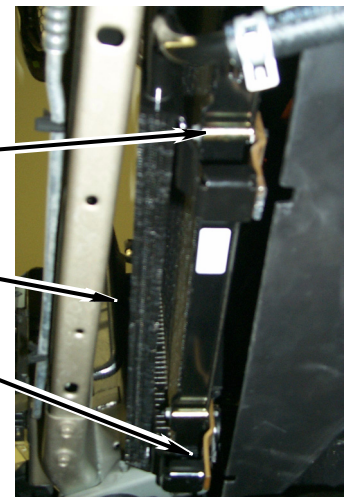


- c. Install the power steering cooler on the radiator using the *kit* s-brackets and a bolt through each of the two *kit* 1 1/2" tube spacers. Do not tighten.

1 1/2" Tube Spacer

Power Steering Cooler

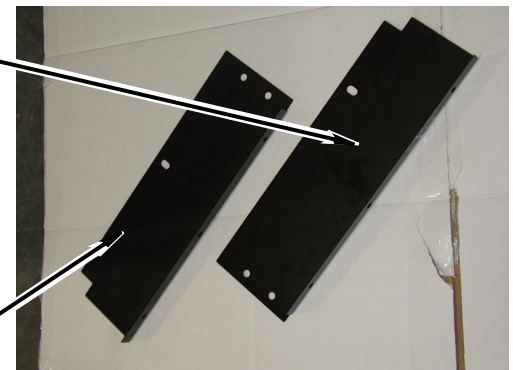
Kit "S"-Brackets



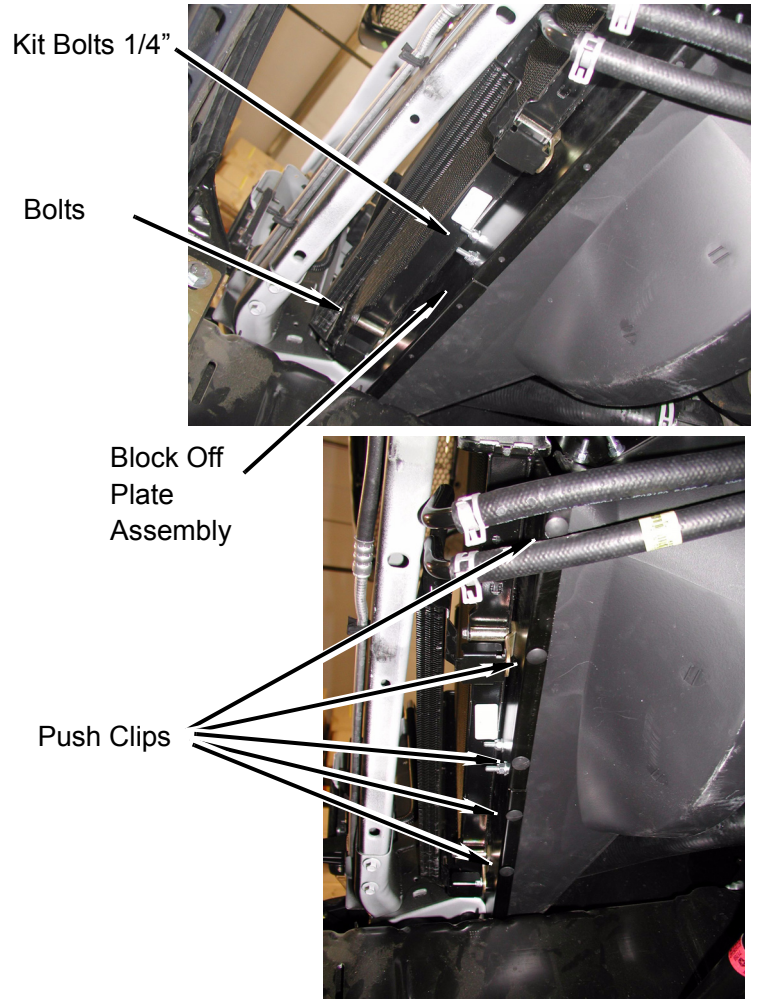
- d. Install the left and right block off plates together at the center using two *kit* 1/4" x 1" bolt, two *kit* 1/4" SAE washers, and two *kit* 1/4" nylock nuts. Do not tighten.

Fan Shroud Block Off Plate (right)

Fan Shroud Block Off Plate (left)



- e. Slide the *kit* fan shroud block off assembly in front of the fan shroud. The two bolts, holding the power steering cooler, will pass through the two holes provided along the upper edge of the fan shroud block off assembly.
- f. Drill five 15/64" holes in the lower fan shroud edge using the fan shroud block off plate as a template.
- g. Secure the fan shroud block of plate to shroud with five *kit* push clips.
- h. Tighten two *kit* bolts at the center of the two fan shroud block off plates.
- i. Secure the power steering cooler and fan shroud block off plates to the radiator. Install a lock-washers and nut to each of the bolts previously inserted through the two *kit* 1 1/2" tube spacers in step c above.

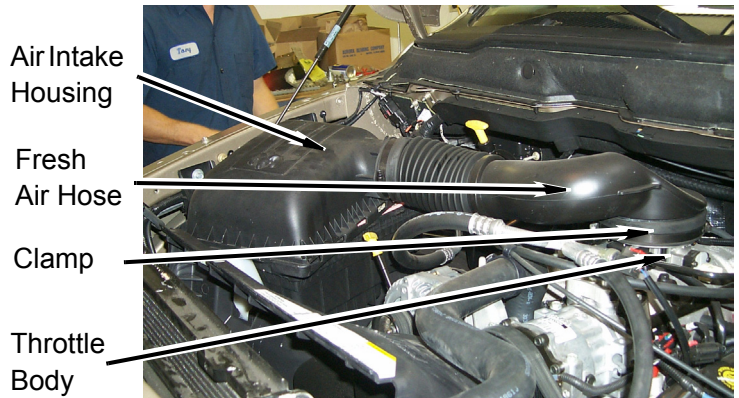


16. Air intake.

2003 model year vehicle

- a. Install the fresh air hose on throttle body. Place the air box cover on airbox and secure airbox cover clips. Tighten the hose clamp to the throttle body.

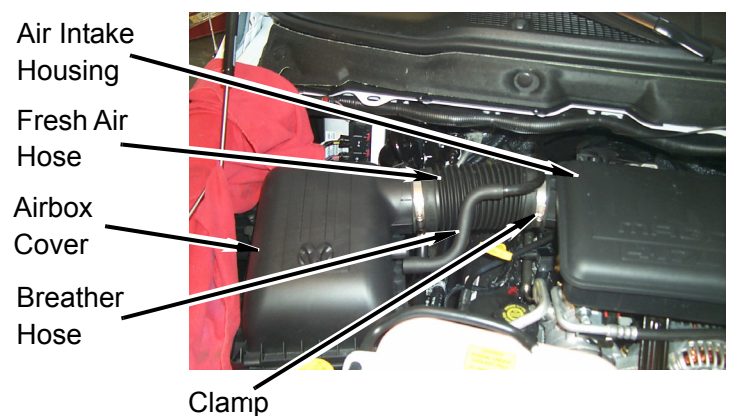
2003 MODEL YEAR



2004 model year vehicle

- b. Install fresh air hose to the air intake housing. Place the airbox cover on the airbox and secure the four clips. Tighten the hose clamp on fresh air hose to air intake housing.

2004 MODEL YEAR



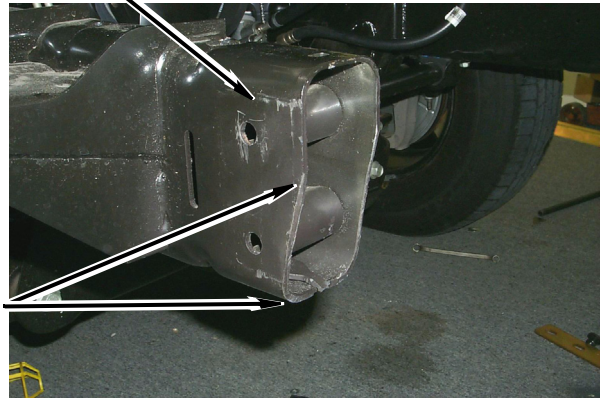
17. Install the front bumper.

- a. Trim lower edge of the two front frame horns as shown.

Front Frame Horn

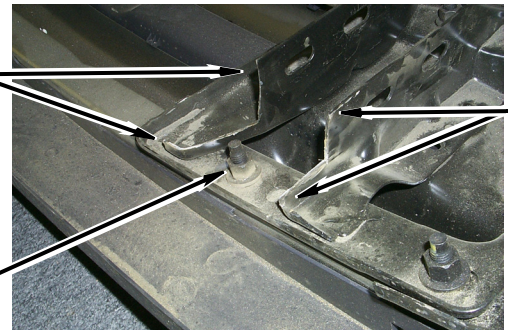


Cut



- b. Trim lower edge of the two front bumper brackets as shown.
- c. Test fit bumper to the front of the vehicle. If the bumper does not align, it may be necessary to trim one or both of the bolts indicated in the photos.

Cut



Cut

Bolt

Front Bumper Brackets



Cut

Cut

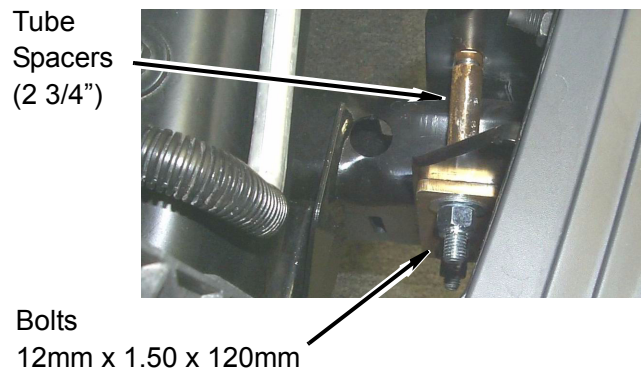
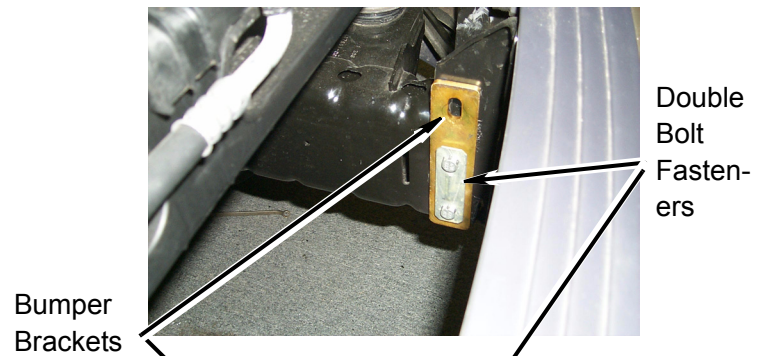
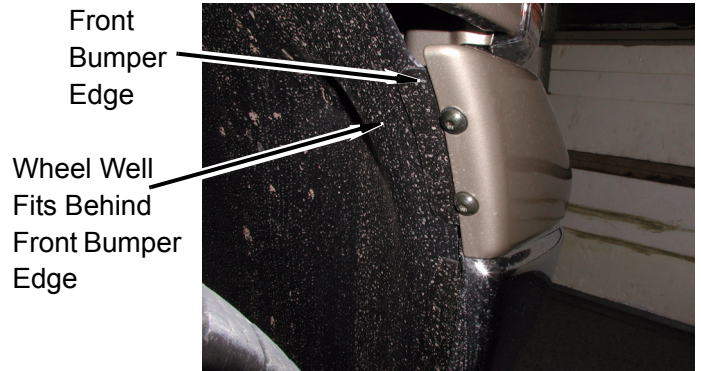


Bolt

NOTE

Steps d. through g. require two people - one to position and hold the front bumper and another to install the brackets and hardware.

- d. Once it is determined that the bumper fits, place a few drops of Loctite® at the end of the bolt threads and complete installation as follows.
- e. Position front bumper to frame. Ensure both edges of wheel well fit on the back side of bumper edge. Raise bumper until bottom holes on *kit* front bumper brackets align with holes on frame.
- f. Install four *kit* bumper brackets, two double bolt fasteners, and four nuts through bumper brackets and frame. Do not tighten.
- g. Install two *kit* 2 3/4" tube spacers between top holes of four *kit* bumper brackets. Use two *kit* 12mm x 1.50 x 120mm bolts, four *kit* 7/16" USS washers, and two *kit* 12mm nylock nuts. Do not tighten.
- h. Snug all nuts and bolts holding the front bumper. Check measurements between front bumper and front fenders from step B1a. Adjust bumper to fender clearance and tighten bolts to 55 lb-ft.

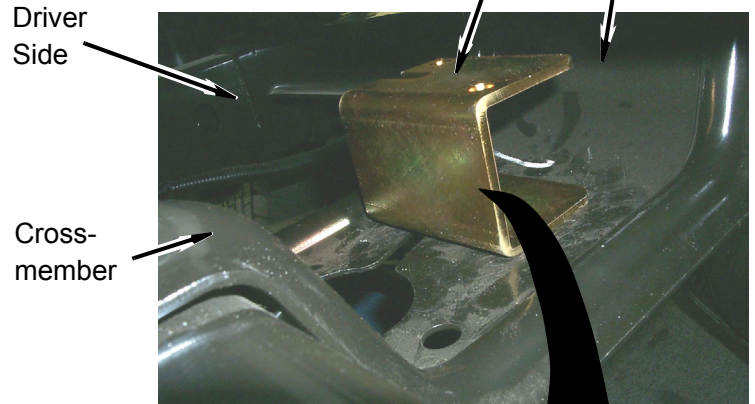


18. Spare tire carrier.

- a. Position *kit* spare tire carrier relocation bracket on crossmember and start driver side bolt. Do not tighten.
- b. Position spare tire crank mechanism through hole in crossmember. Position spare tire crank mechanism on the *kit* spare tire carrier relocation bracket.
- c. Turn the *kit* bracket toward front of vehicle and slide spare tire crank mechanism cable through slot in *kit* spare tire carrier relocation bracket.



Spare Tire Carrier Relocation Bracket
Toward Front of Vehicle



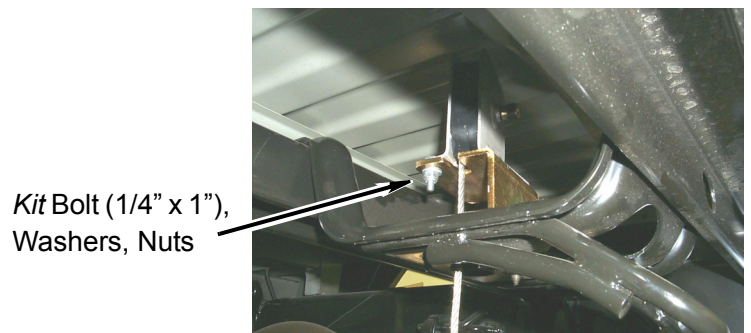
Driver Side
Cross-member

- d. Install passenger side bolt and tighten.
- e. Tighten driver side bolt.



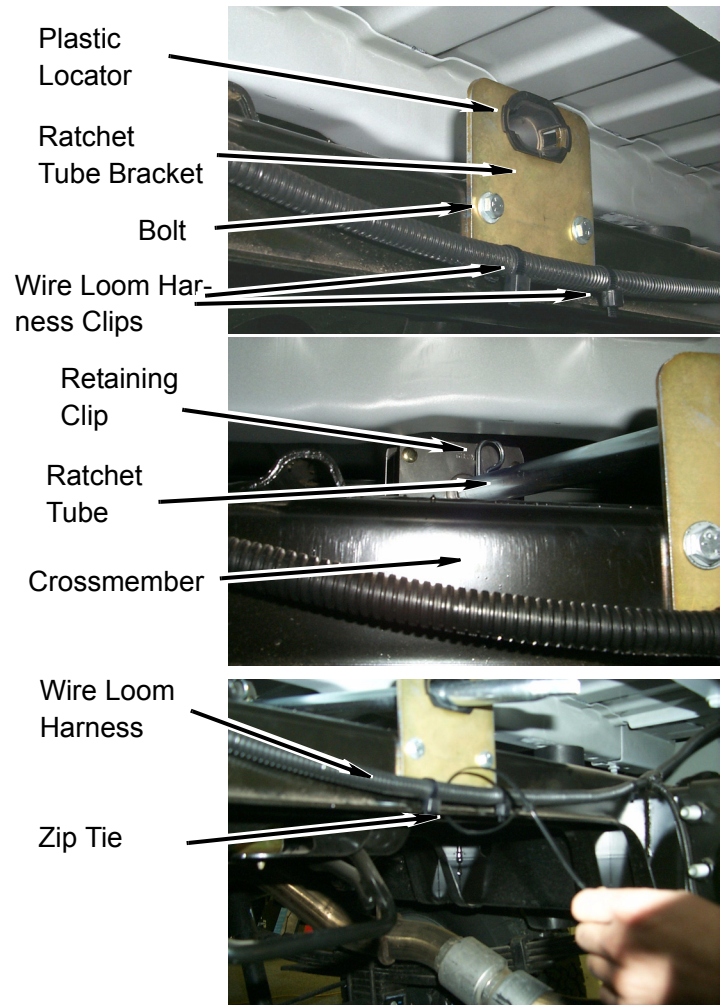
Driver Side Bolt
Spare Tire Crank Mechanism

- f. Install spare tire crank mechanism to the *kit* spare tire carrier relocation bracket with the two *kit* 1/4" x 1" bolts, four *kit* 1/4" SAE washers, and two *kit* 1/4" nylock nuts.



Kit Bolt (1/4" x 1"), Washers, Nuts

- g. Remove plastic locator and two wire loom clips from stock location on crossmember. Install the plastic locator on the *kit* ratchet tube bracket.
- h. Position ratchet tube through plastic locator and install ratchet tube bracket on crossmember with two *kit* 1/4" x 1" bolts, four *kit* 1/4" SAE washers, and two *kit* 1/4" nylock nuts.
- i. Install ratchet tube on spare tire crank mechanism with retaining clip.



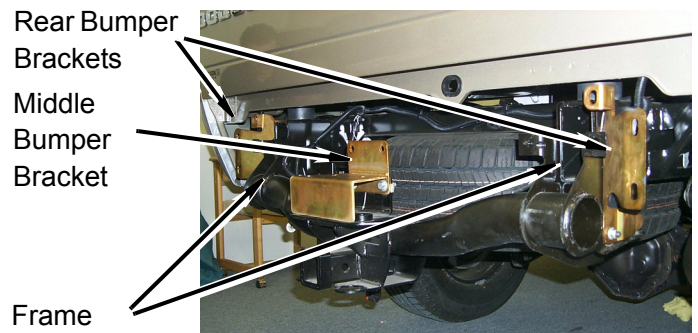
- j. Zip tie wire loom harness to crossmember.
- k. Raise spare tire (see owner's manual).

⚠WARNING

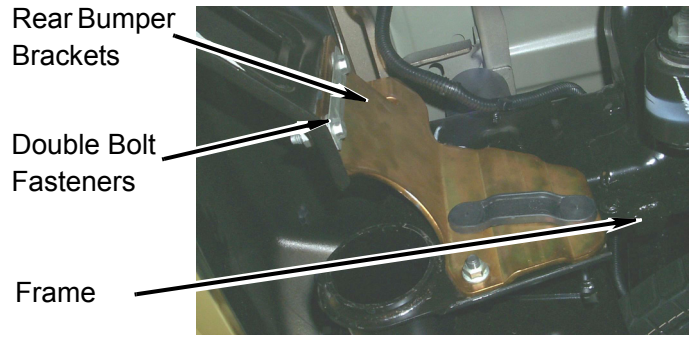
The following procedure is intended only to enhance the appearance of the vehicle. The rear bumper will no longer be rated for towing of any kind. Towing with the rear bumper after it has been lifted can result in death, serious personal injury, or damage to the vehicle. Towing after the bumper has been lifted should be accomplished using a rated Class III receiver type hitch.

19. Install the rear bumper.

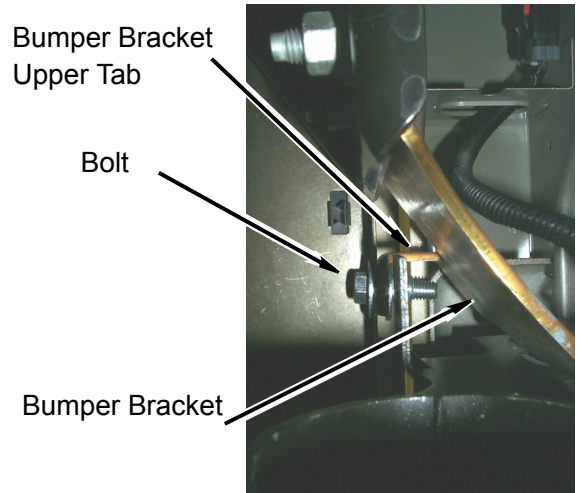
- a. Install two *kit* rear bumper brackets on frame. Place a few drops of Loctite® at the end of the bolt threads and install the four *kit* bolts (two per bracket). two *kit* 7/16" x 1 1/2" bolts, four *kit* 7/16" USS washers, and two *kit* 7/16" nylock nuts. Do not tighten.
- b. Install *kit* middle bumper bracket on trailer hitch (or frame if no hitch) with two bolts. Do not tighten.



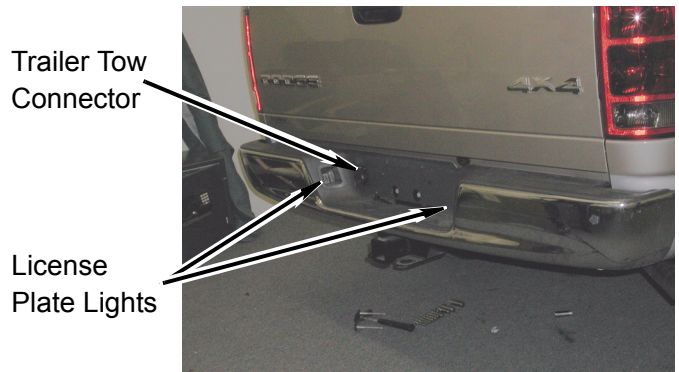
- c. Install rear bumper on two *kit* rear bumper brackets with two double bolt fasteners and two nuts. Do not tighten.
- d. Install rear bumper on *kit* middle bumper bracket with two *kit* 7/16" x 1 1/2" bolts, four *kit* 7/16" USS washers, and two *kit* 7/16" nylock nuts. Do not tighten.



- e. Install two *kit* 7/16" x 1 1/2" bolts, four *kit* 7/16" USS washers, and two *kit* 7/16" nylock nuts through *kit* bumper bracket upper tab and rear bumper. Do not tighten.
- f. Adjust bumper to tailgate clearance using measurement from step B8a and tighten bolts and nuts to 55 lb-ft.



- g. Connect the hitch and license plate electrical connectors on bumper.
- h. Install license plate on rear bumper with two screws.

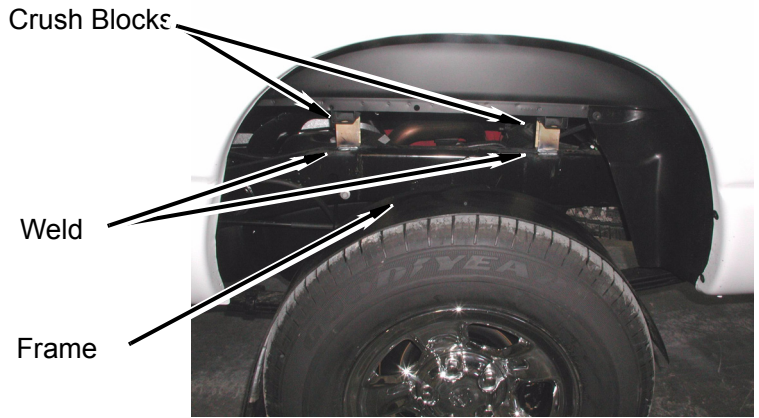


20. Install bed crush blocks.

⚠WARNING

A certified welder should perform all welding.

- a. Weld four *kit* crush blocks on frame. Two crush blocks per side.

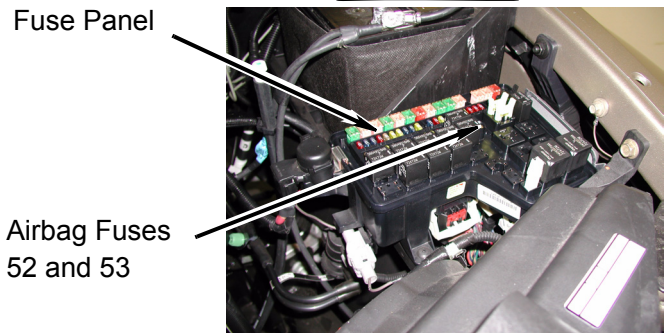


D. After installation is complete.

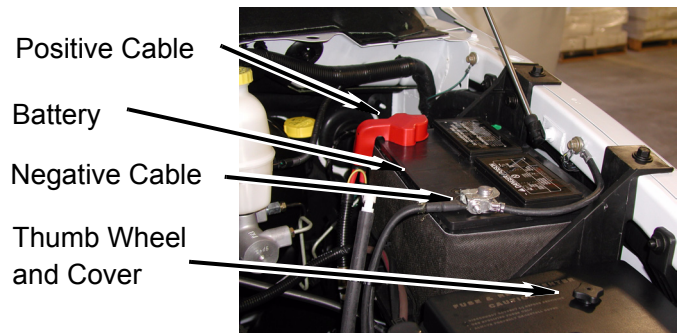
1. Install two airbag fuses #52 and #53 in fuse panel. Install cover and tighten thumbwheel.



2. Connect both battery cables to the battery. Be sure to reconnect the positive cable first, then the negative cable.



3. Stick *kit* warning sticker on the dash in plain sight of all vehicle occupants.



4. Double check the vehicle.

⚠CAUTION

Retorque all fasteners after 500 miles and after off road use. All body lift components should be visually inspected and fasteners retorqued during routine vehicle servicing.

- a. Check all mounting hardware to ensure it is properly tightened.

- b. Check all wires, hoses, cables, etc. to ensure they have been properly connected and there is ample slack. With the number of hoses on this vehicle, it is vital that this be checked thoroughly.
- c. Check vehicle electrical system.
- d. Start vehicle and check the steering in both directions to ensure that there is no bind. Check clutch operation. Check the operation of the brake system and the parking brake. Check both shift levers' operation. Ensure that there is proper engagement in all gears and 4 wheel drive ranges.

⚠CAUTION

Never open a closed cooling system after the vehicle has been started. Only fill the cooling system if the cap has been removed while the vehicle was still cold.

- e. Check coolant level. Fill coolant to the proper level (refer to the Owner's Manual).
- f. Test drive vehicle in all gears and 4 wheel drive ranges. Pay close attention to all vehicle systems. Check all hardware again in 500 miles and as part of your regular maintenance schedule.

⚠CAUTION

Performance Accessories does not recommend any particular wheel and tire combinations for use with its body lifts and cannot assume responsibility for the customer's choice of wheels and tires. Reference your owner's manual for recommended tire sizes and warnings related to the use of oversized tires. Larger wheel and tire combinations increase stress and wear on steering and suspension components, which leads to increased maintenance and higher risk for component failure. Larger wheel and tire combinations also alter speedometer calibration, braking effectiveness, center of gravity, and handling characteristics. Consult with an experienced local off road shop to find what wheel and tire combinations work best with your vehicle.

⚠NOTE

All warranty information, instruction sheets, and other documents regarding the installation of this product must be retained by the vehicle owner. Information contained in the instructions and on the warranty card will be required for any warranty claims. The vehicle owner needs to understand the modifications made to his vehicle and how they affect vehicle handling and performance. Failure to provide the customer with this information can result in damage to the vehicle and severe personal injury.

E. Kit Parts List.

Quantity	Description
	Kit
16	Blocks 3" x 3"
4	Blocks, 3" crush
4	Bracket, front bumper
1	Bracket, left side fan shroud
1	Bracket, middle rear bumper
2	Bracket, rear bumper
1	Bracket, right side fan shroud
1	Bracket, spare tire mechanism
1	Bracket, spare tire ratchet tube
1	Hose, fuel extension (1-1/4" x 5") [2003 only]
1	Loctite, 6ml bottle
1	Plate, lower left fan shroud blocker
1	Plate, lower right fan shroud blocker
1	Sticker, logo
1	Sticker, warning to driver
	Bolt pack BP60123
1	Bolt, 3/8" x 1 1/4", socket head
6	Bolts, 12mm x 1.50 x 100mm
4	Bolts, 12mm x 1.75 x 120mm
8	Bolts, 12mm x 1.75 x 180mm
1	Bracket, parking brake
1	Extension, steering
17	Washers, 7/16" USS
	Hardware pack HP60123
25	Bolts, 1/4" x 1"
1	Bolts, 5/16" x 1"
6	Bolts, 7/16" x 1 1/2"
1	Bolts, 7/16" x 1"
2	Bracket, 1 1/2" transmission cooler spacer tubes
2	Bracket, 2 3/4" front bumper spacer tubes
2	Bracket, 2" S-shaped w/studs
2	Clamp, #10 hose [2003 only]
2	Clamp, #36 hose [2003 only]
2	Clamp, #6 hose [2004 only]
1	Extension, manual transmission shift lever, 3/4" x 3"
1	Hose, vent extension, 1/4" x 3" [2004 only]
1	Hose, vent extension, 5/8" x 4" [2003 only]
	Installation instructions
37	Nuts, 1/4" nylock
2	Nuts, 12mm nylock
1	Nuts, 5/16" nylock
5	Nuts, 7/16" nylock
5	Pin, ratchet fastener
1	Strap, 3" ground
1	Strap, 3" ground (big hole)
27	Washers, 1/4" SAE
2	Washers, 5/16" USS
18	Washers, 7/16" USS
1	Zip Tie Fastener



Front bumper bracket (assembled)



Rear bumper bracket



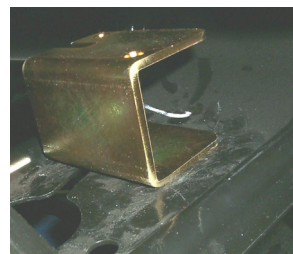
Hitch bracket



Fan shroud brackets



Parking brake bracket



Spare tire bracket