



3651 N Highway 89 • Chino Valley, AZ 86323  
(928) 636-7080 • www.p-a-g.net

# TOYOTA TUNDRA 2 & 4WD 3" BODY LIFT KIT INSTALLATION INSTRUCTIONS 2006 KIT# 5623

## ⚠ WARNING

Installation of a Performance Automotive Group body lift kit will change the vehicle's center of gravity and handling characteristics both on- and off-road. You must drive the vehicle 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

Before you install this kit, read and understand all instructions, warnings, cautions, and notes in this instruction sheet and in the vehicle owner's manual.

## ⚠ CAUTION

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

## ⚠ WARNING

DO NOT combine suspension, body, or other lift devices. Use of vehicle with combined lifts may result in unsafe and/or unexpected handling characteristics.

## ⚠ WARNING

This kit should only be installed on a vehicle that is in good working condition. Before you install the kit, thoroughly inspect the vehicle for corrosion or deformation of the sheet metal around the factory body mounts. If the vehicle is suspected to have been in a collision or misused, do not install this kit. Off-road use of your vehicle with this kit installed may increase the stress applied to the factory body mounts. We do not recommend that any vehicle with a body lift kit 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 and municipalities have laws restricting bumper heights and vehicle lifts. Consult state and local laws to determine if the changes you intend to make to the vehicle comply with the law.

## ⚠ WARNING

The installation of larger tires may reduce the effectiveness of the braking system.

## ⚠ WARNING

Always wear eye protection when operating power tools.

## ⚠ WARNING

Before you install this kit, block the vehicle tires to prevent the vehicle from rolling.

## ⚠ WARNING

Accidental deployment of the air bag can result in serious personal injury or death. To avoid accidental deployment during installation of the kit, the Supplemental Restraint System (SRS, or airbag) must remain deactivated. Do not allow anyone near the airbag during installation. Refer to the factory service manual or owner's manual for the recommended procedure to disable the SRS. After you install the kit, reactivate the SRS before driving the vehicle.

## NOTE

Performance Automotive Group recommends using the Loctite® supplied in the kit on the threads of all kit nuts and bolts unless specified otherwise in these instructions.

# Before Starting Installation

## NOTE

Kit parts are prefaced by the word *kit* and appear in **bold** print.

1. Carefully read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list at the end of this document.

## NOTE

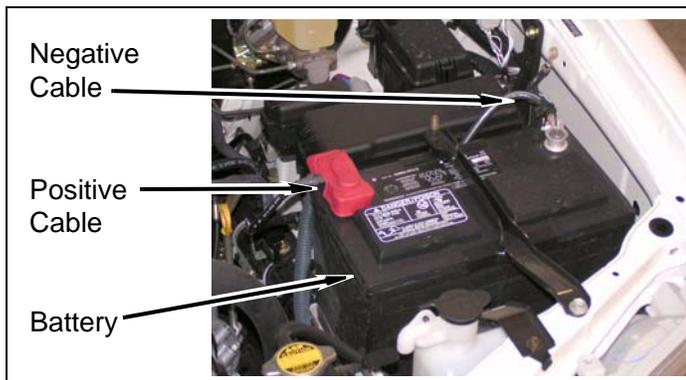
If parts are missing from kit, please be prepared to provide the following information:

1. **Name** of purchase location
2. **Bar Code** on side of box
3. **Date** above bar code
4. **Date** inside box cover
5. **Inspector #** from inside box cover

3. **Only install this kit on the vehicle for which it is specified.** If anytime during the installation you encounter something different from what is outlined in the instructions, call technical support at (928) 636-7080.
4. Special tools needed:
  - a. Die grinder or similar tool capable of cutting metal.
5. Park vehicle on a clean, dry, flat, level surface and block tires so vehicle cannot roll in either direction.

## Engine Compartment

1. Disconnect both battery cables. Disconnect negative cable first, then positive cable.



## Inside Cab

1. Airbag Fuse

## NOTE

The location of the airbag fuse may vary; check the owner's manual.

- a. Remove fuse cover.
- b. Remove airbag fuse.

# Prepare to Install Kit

## Measurements

1. Measure and record distance between rear bumper and bed

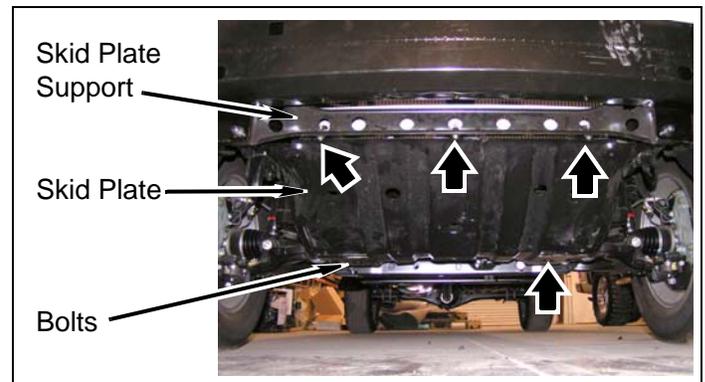
Driver Side \_\_\_\_ Passenger Side \_\_\_\_

2. Measure and record distance between cab and bed.

Driver Side \_\_\_\_ Passenger Side \_\_\_\_

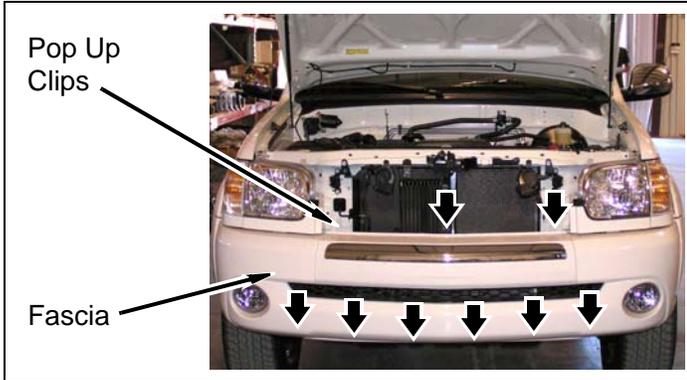
## Front of Vehicle

1. Remove five bolts and skid plate from skid plate support and crossmember.

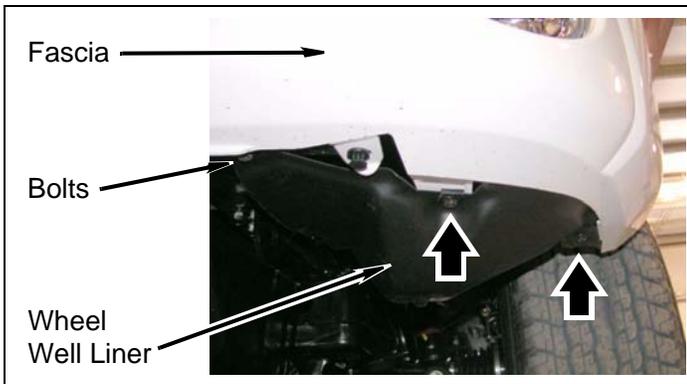


2. Front bumper

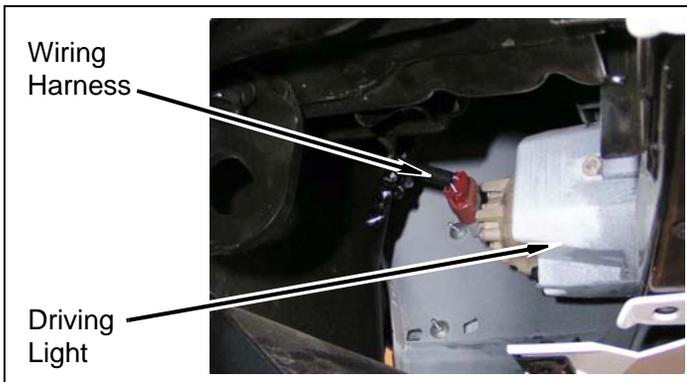
a. Remove nine pop up clips from fascia.



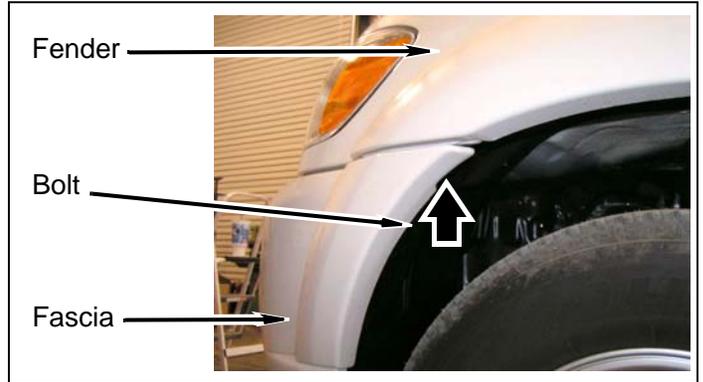
b. Remove six bolts from bottom of fascia and two wheel well liners.



c. Remove two driving light wiring harnesses from two driving lights.

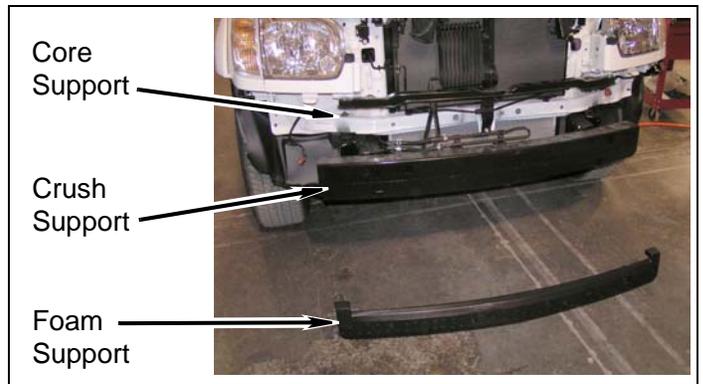


d. Remove two bolts from fascia and two fenders.

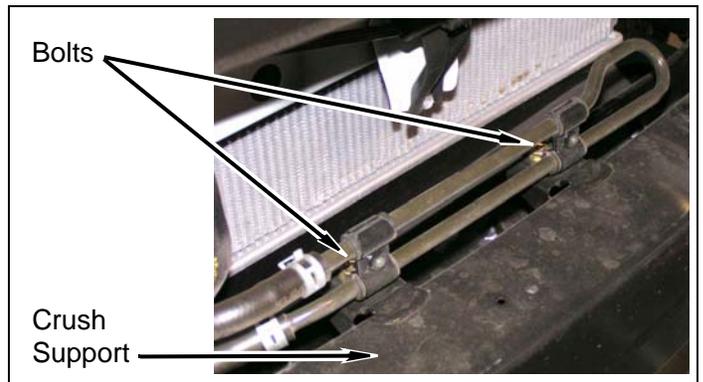


e. Remove fascia from vehicle.

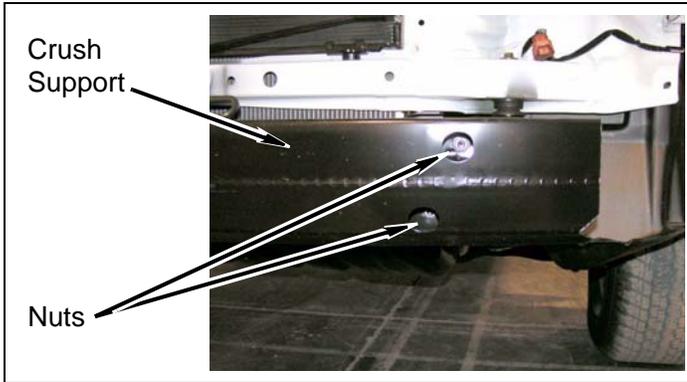
f. Remove foam support from bumper crush support.



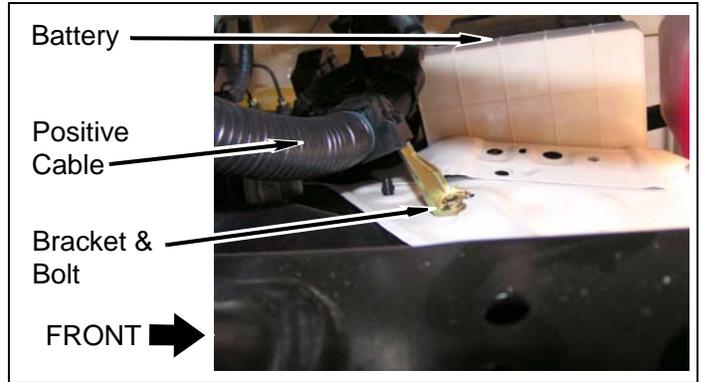
g. Remove two bolts and power steering cooler from bumper crush support.



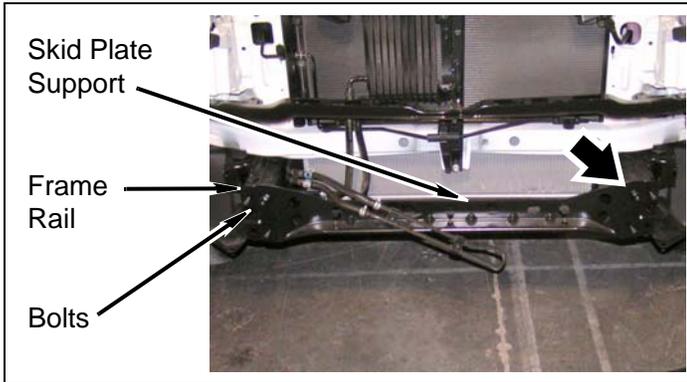
h. Remove four nuts and bumper crush support from frame rails.



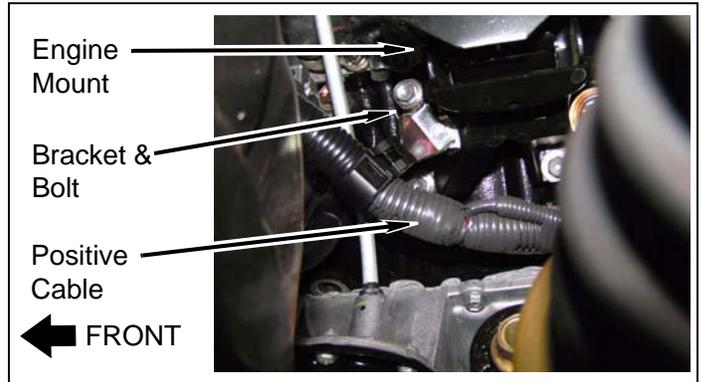
2. Remove bolt and positive battery cable bracket from driver side wheel well.



i. Remove two bolts and skid plate support from frame rails.

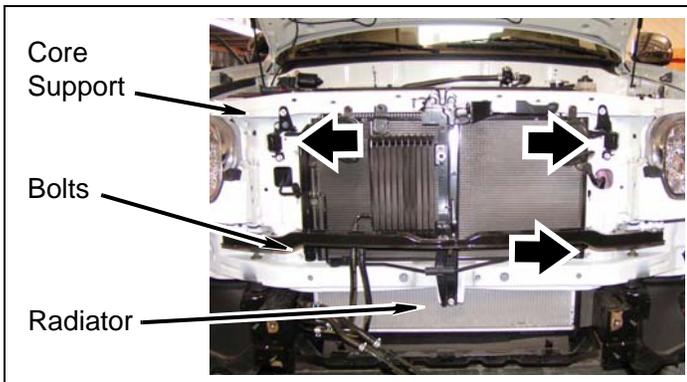


3. Remove bolt and positive battery cable bracket from driver side engine mount.

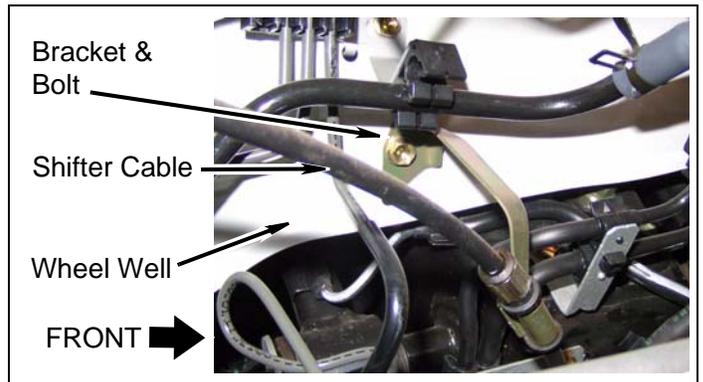


### Engine Compartment

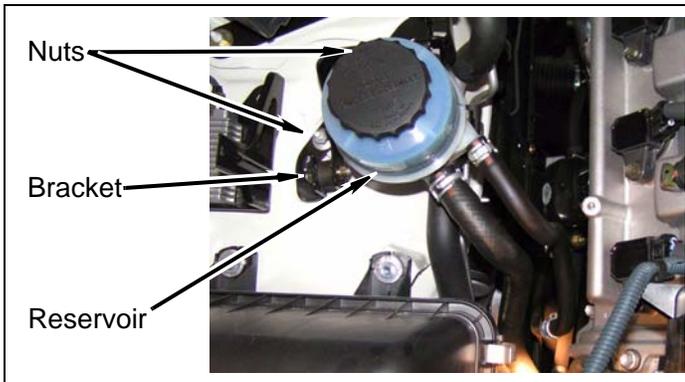
1. Remove four bolts and radiator from core support.



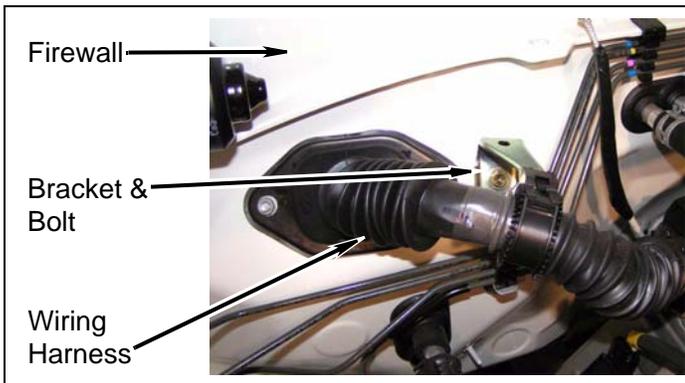
4. Remove bolt, shift cable, and bracket from driver side wheel well.



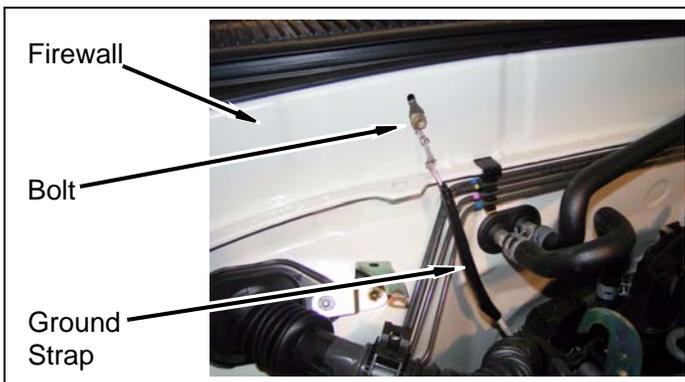
5. Remove two nuts and power steering reservoir bracket from passenger side wheel well.



6. Remove bolt, bracket, and engine wiring harness from passenger side firewall.



7. Remove bolt and ground strap from firewall.



**⚠ 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.

8. Steering Shaft

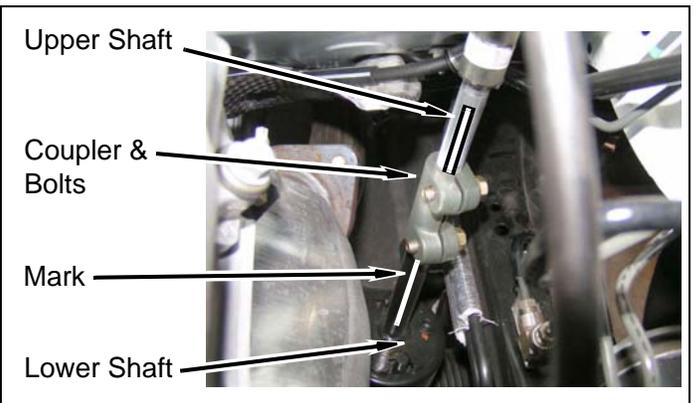
**⚠ WARNING**

Accidental deployment of the air bag can result in serious personal injury or death. To avoid accidental deployment during installation of the lift kit, the Supplemental Restraint System (SRS, or airbag) must remain deactivated. Do not allow anyone near the airbag during installation. Refer to the factory service manual or owner's manual for the recommended procedure to disable the SRS. After kit installation, the SRS must be reactivated before driving the vehicle.

**⚠ CAUTION**

If the following step is not performed, the airbag clockspring could be damaged. Do not turn the steering wheel while the steering shaft is disconnected.

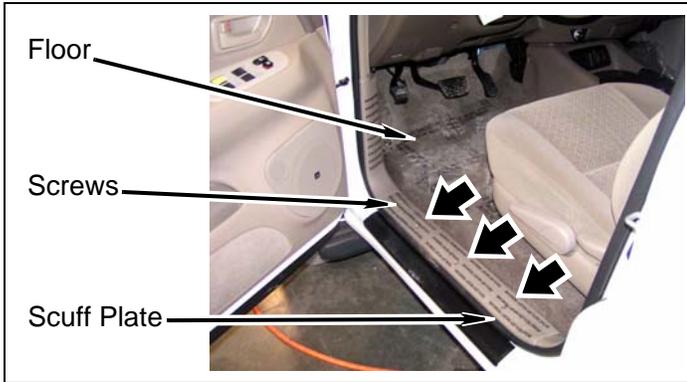
- a. Straighten and strap steering wheel to prevent accidental movement.
- b. Mark upper steering shaft, coupler, and lower steering shaft lengthwise.
- c. Remove two bolts from coupler and slide coupler up on upper steering shaft.



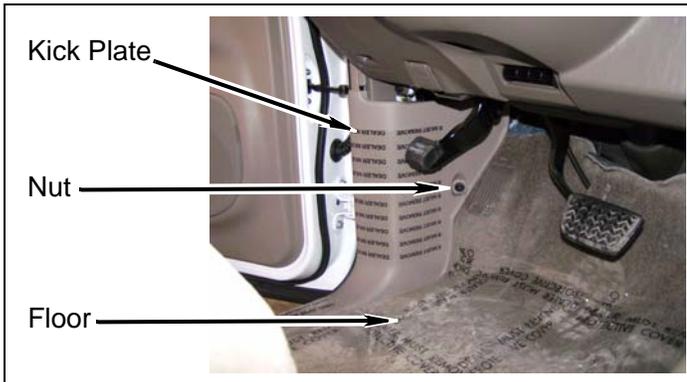
**Inside of Vehicle**

1. Driver side interior
  - a. Flip rear seats forward, if equipped.

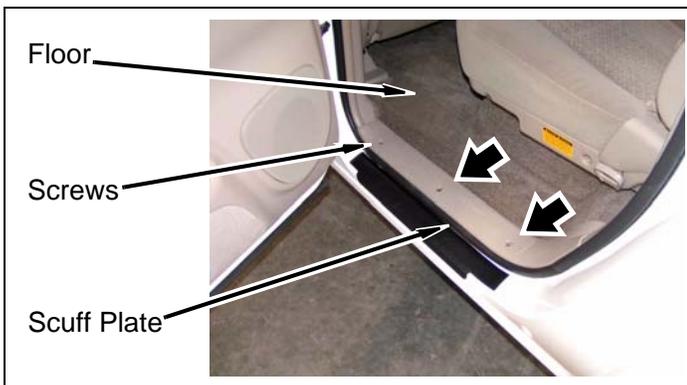
b. Remove four screws and front scuff plate from floor.



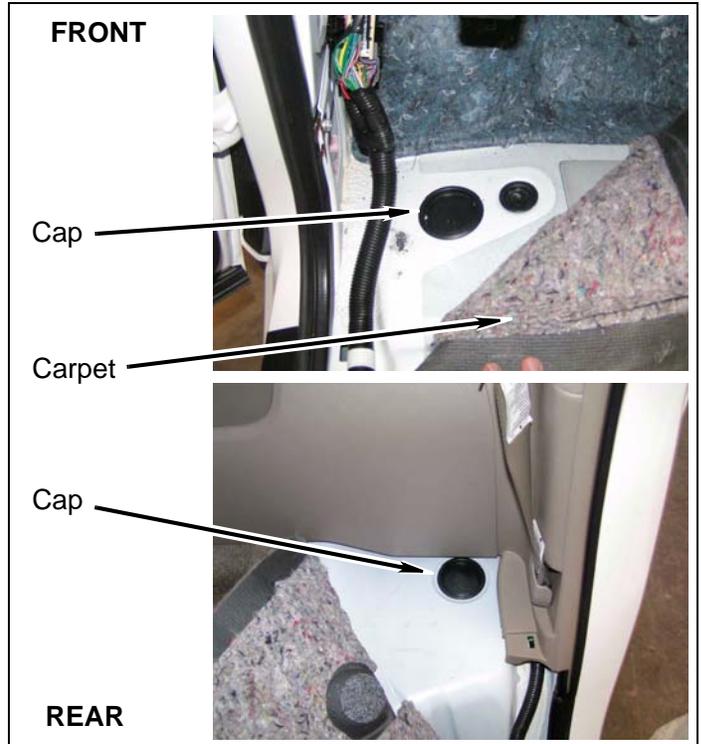
c. Remove nut and pull kick panel back from cab.



d. Remove three screws and rear scuff plate from floor.



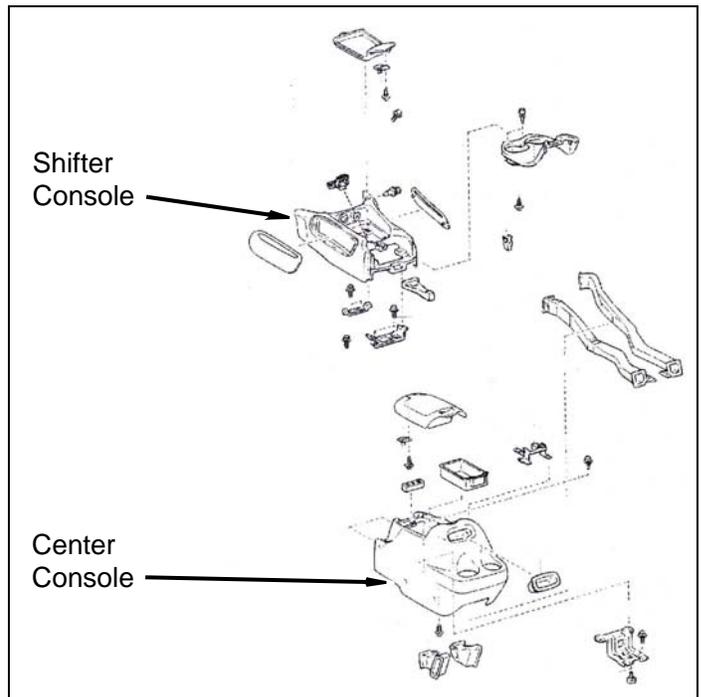
e. Pull carpet up and remove two cab bolt caps from floor.



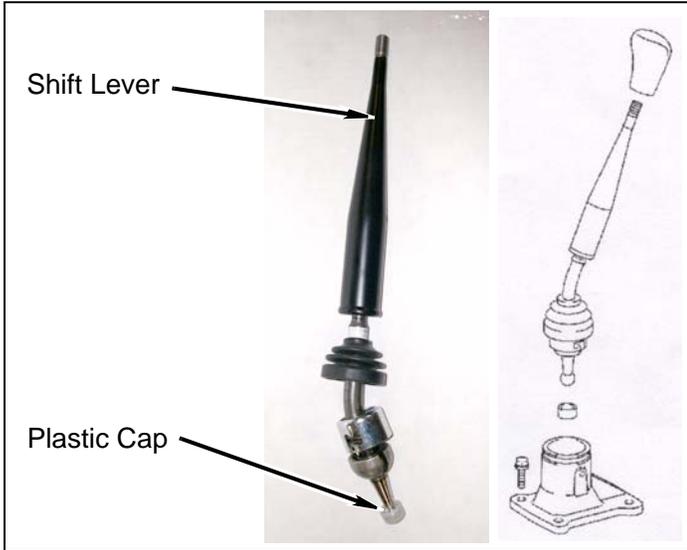
f. Repeat above steps for passenger side interior.

## 2. Manual transmission: shift lever

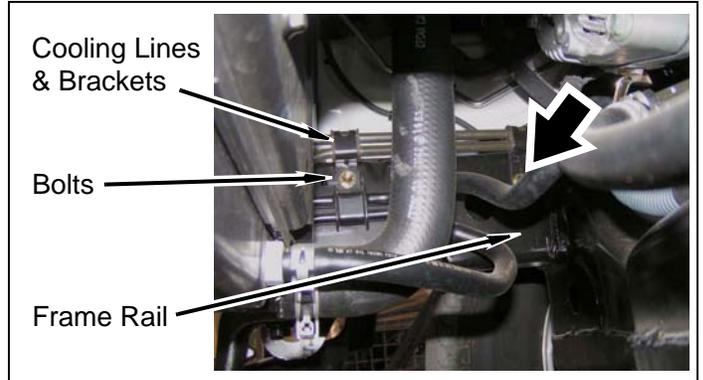
a. Remove shift knob, shift boot(s), and center console from vehicle.



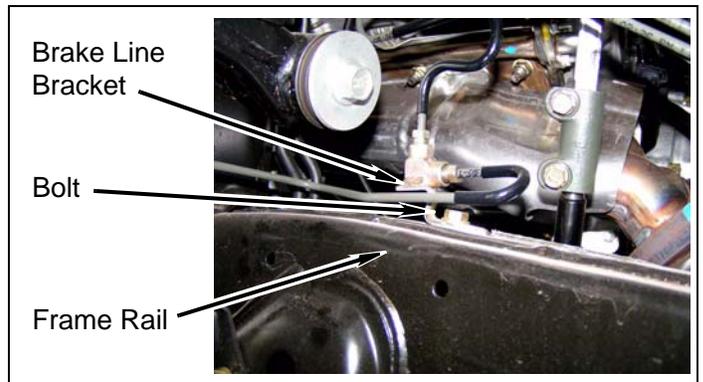
b. Remove shift lever from vehicle.



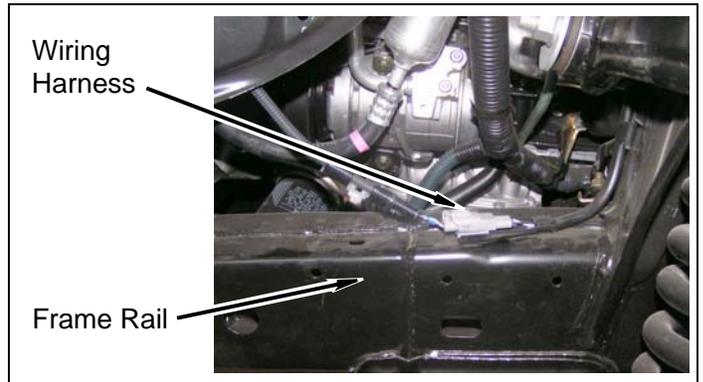
b. Remove two bolts, two brackets, and power steering cooling lines from inside passenger side frame rail.



c. Remove two brake line junction brackets from driver and passenger side frame rails.



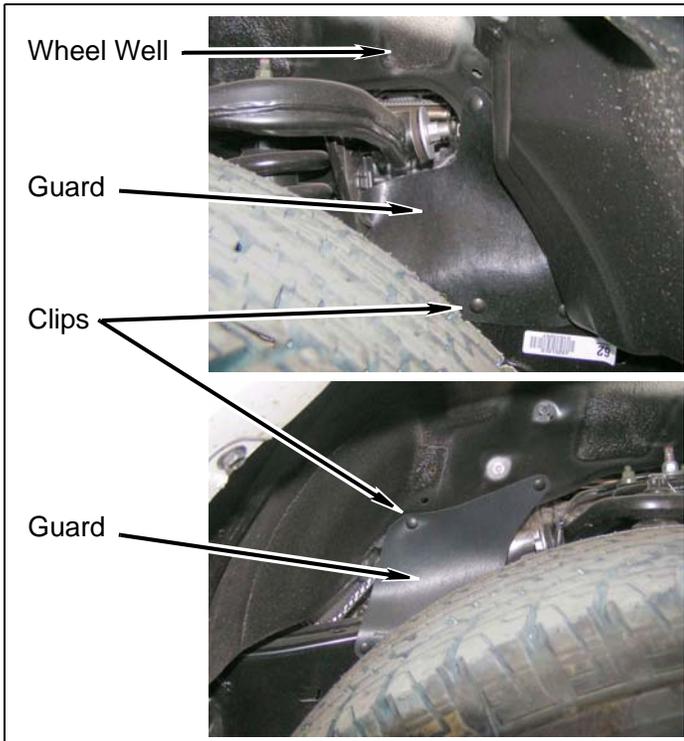
d. Remove two wiring harnesses from driver and passenger side frame rails.



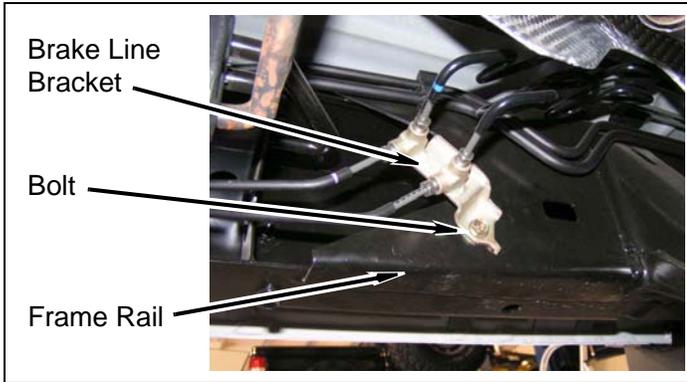
## Underside of Vehicle

### 1. Frame

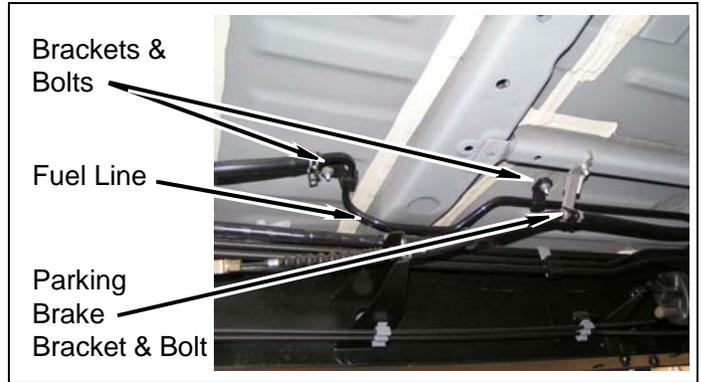
a. Remove panel clips and four guards from driver side wheel well, passenger side wheel well, and frame.



- e. Remove bolt and brake line bracket from inside driver side frame rail.

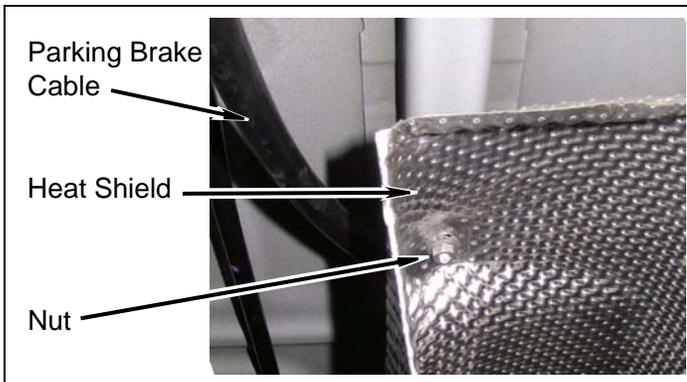


- 4. Remove nut, bracket, and parking brake cable bracket from driver side underbody.

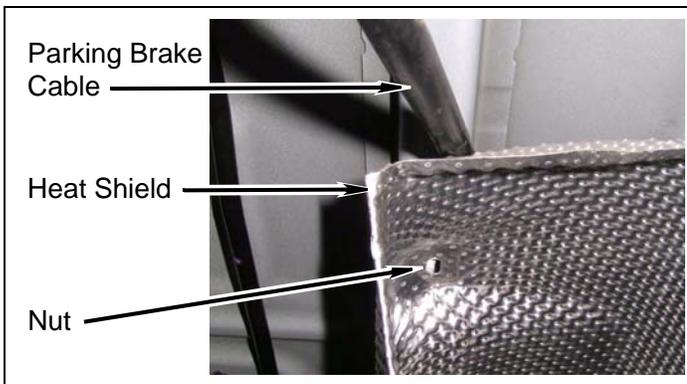


2. Heat shield

- a. Remove nut from heat shield and driver side underbody.



- b. Move parking brake cable from underneath heat shield towards driver side.



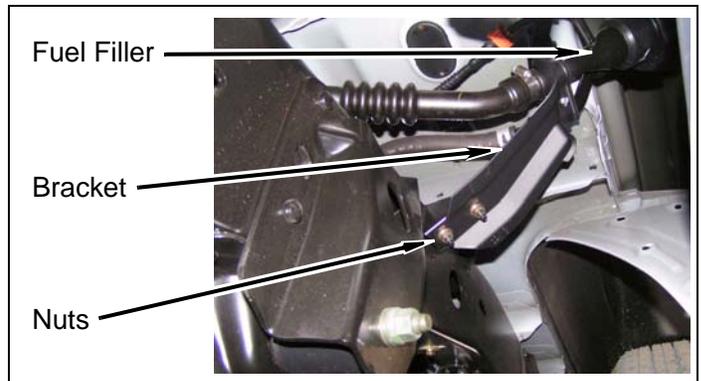
- c. Install nut and heat shield onto driver side underbody

- 3. Remove two nuts, two brackets, and fuel line from driver side underbody.

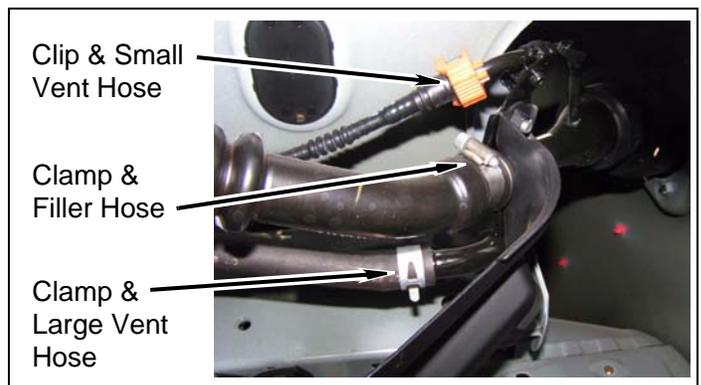
Rear of Vehicle

- 1. Fuel filler

- a. Remove fuel cap.
- b. Remove two nuts, bracket, and fuel filler from frame.

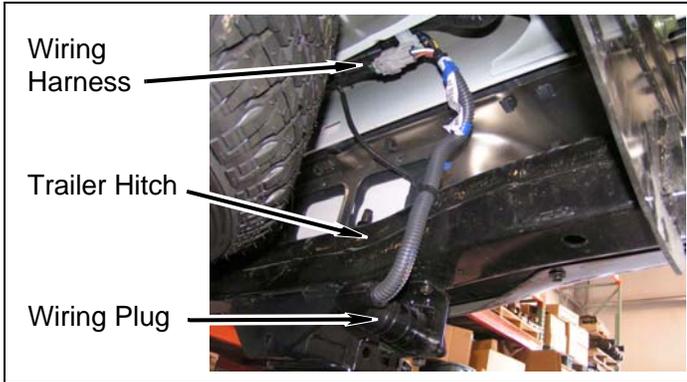


- c. Remove clamp and filler hose from fuel filler.
- d. Remove plastic clip, clamp, large vent hose, and small vent hose from fuel filler.

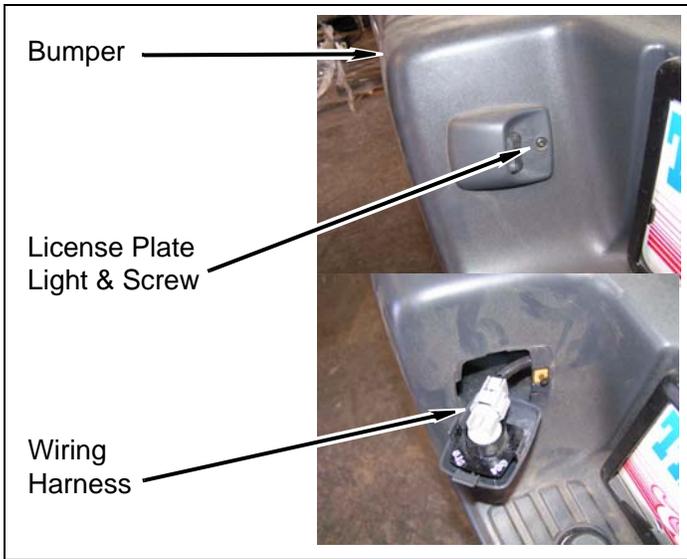


2. Rear bumper (with factory trailer hitch)

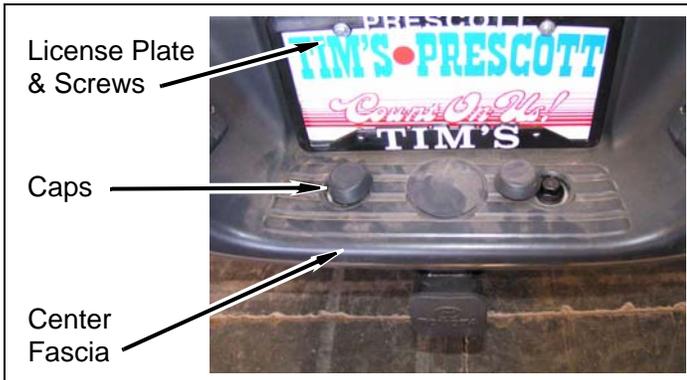
- a. Disconnect trailer hitch wiring harness, if equipped.



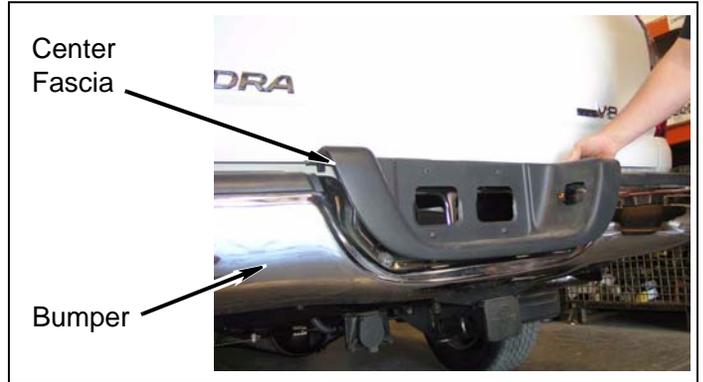
- b. Remove two screws and license plate from bumper.
- c. Remove two screws and two license plate lights from bumper and two license plate wiring harnesses.



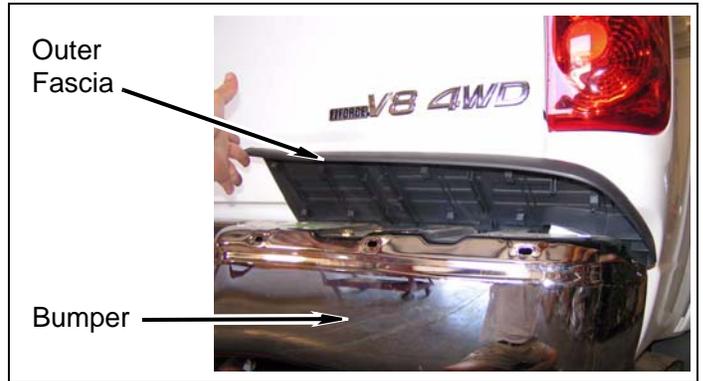
- d. Remove two caps from center bumper fascia.



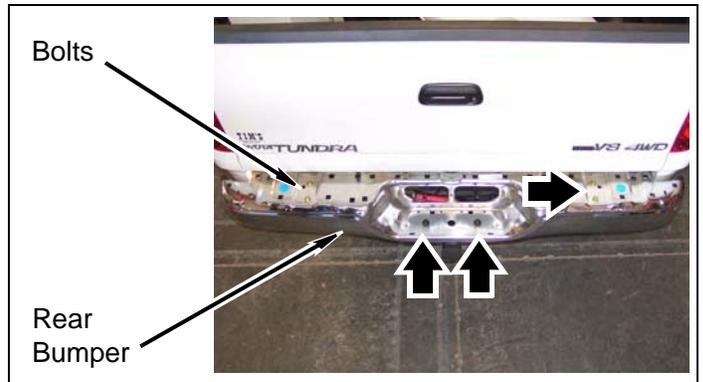
- e. Remove center bumper fascia.



- f. Remove two outer bumper fascias.

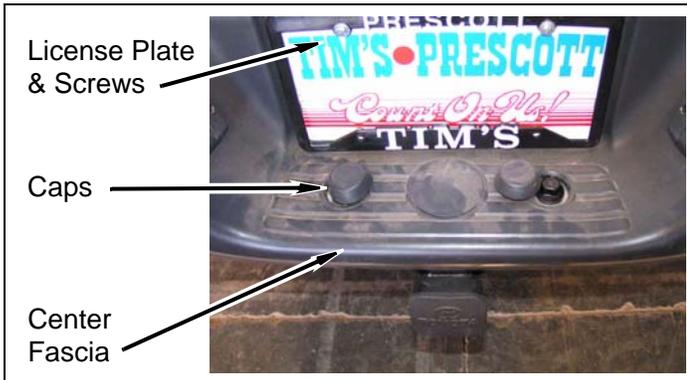


- g. Remove six bolts and rear bumper from vehicle.

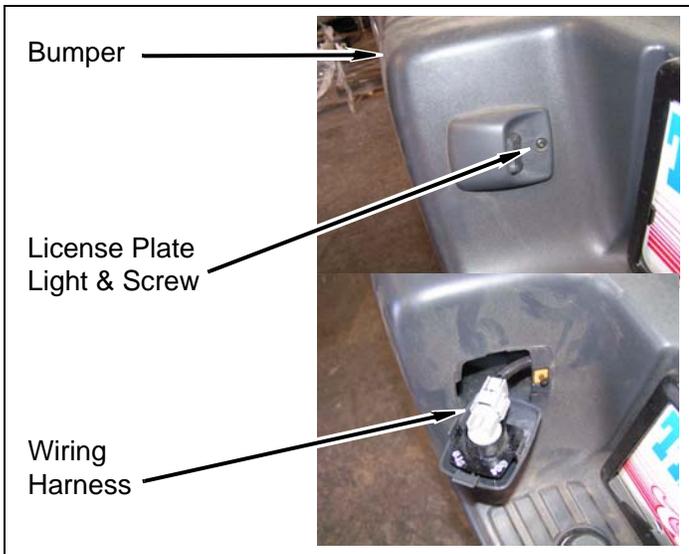


3. Rear bumper (without factory trailer hitch)

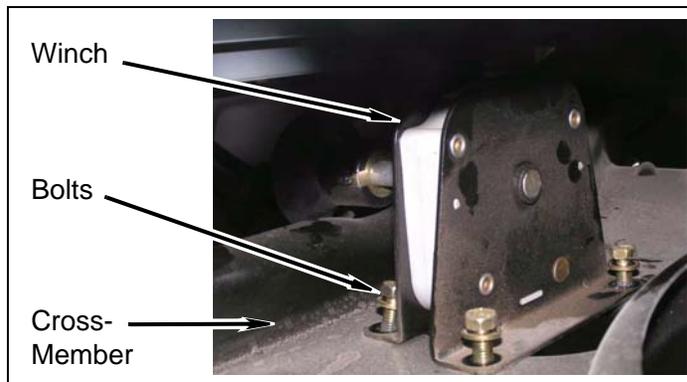
- a. Remove two screws and license plate from bumper.



- b. Remove two screws and two license plate lights from bumper and two license plate wiring harnesses.



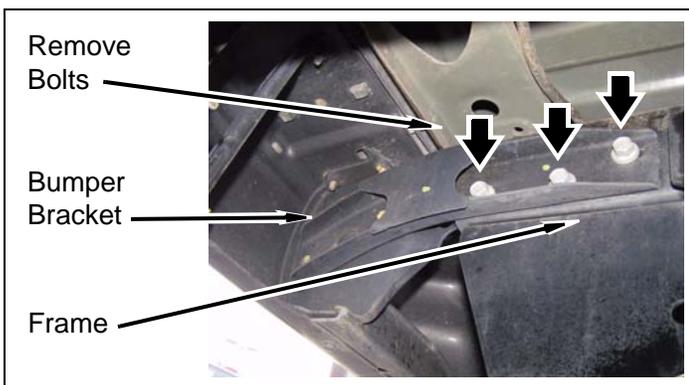
- b. Remove four bolts and winch from crossmember.



## Install Kit

### Cab

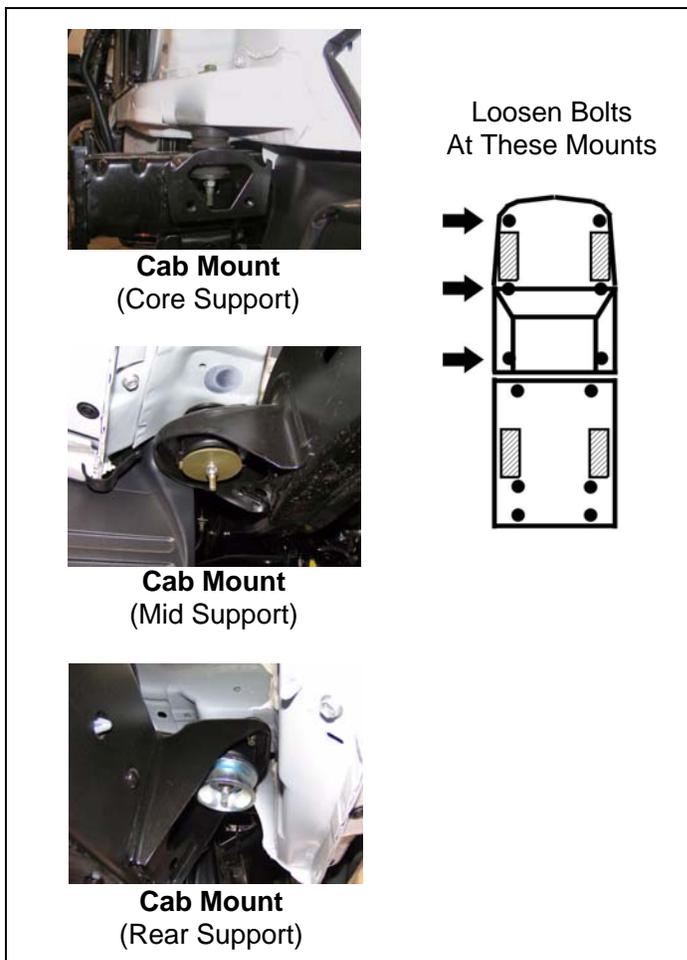
- c. Loosen four bolts and two bumper brackets from bumper.
- d. Remove six bolts, two bumper brackets, and bumper from frame.



- 1. Loosen, but DO NOT REMOVE, cab mounting bolts on driver side.

### 4. Spare tire winch

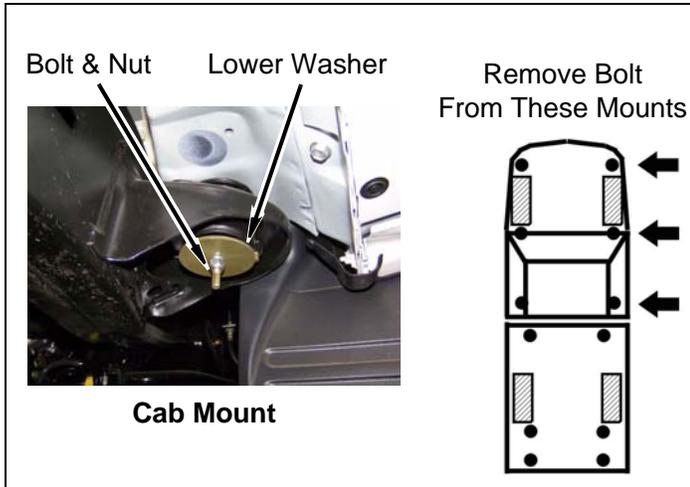
- a. Remove spare tire. Refer to vehicle owner's manual.



### NOTE

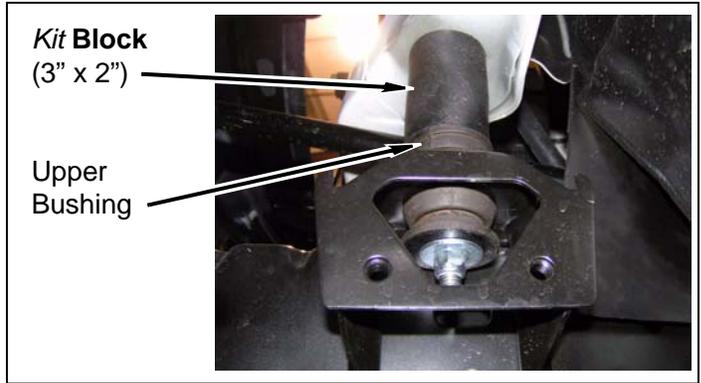
The number of cab mounting bolts may vary with the length of the cab.

2. Remove bolt, nut, and lower washer from each cab mount on passenger side. Washers and nuts will be reused.

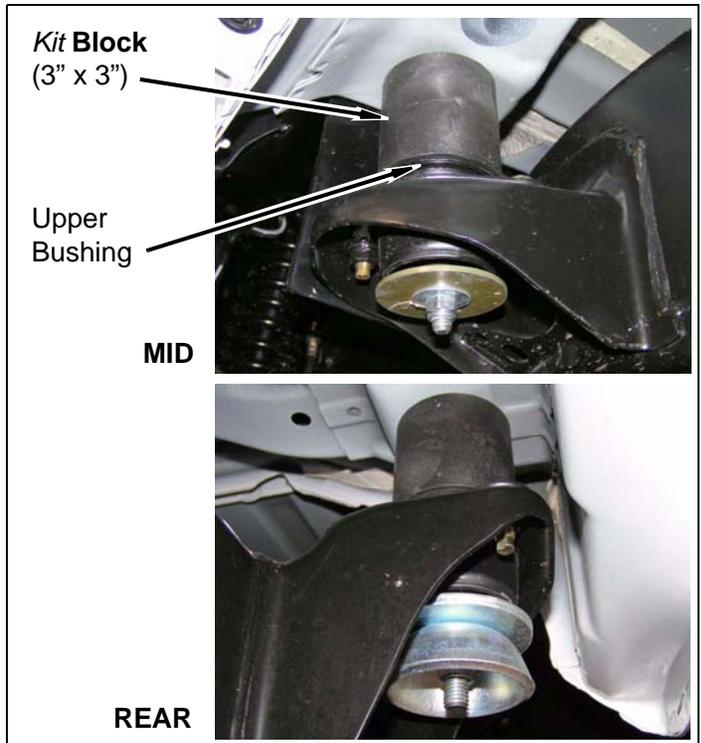


**⚠ WARNING**  
 The *kit blocks* must be installed in addition to the factory upper and lower bushings. Installing the *kit blocks* without the factory upper could result in damage to the vehicle or serious personal injury.

- c. Install *kit block* (3" x 2") onto upper bushing of core support cab mount.



- d. Install two *kit blocks* (3" x 3") onto upper bushings of mid and rear cab mounts.



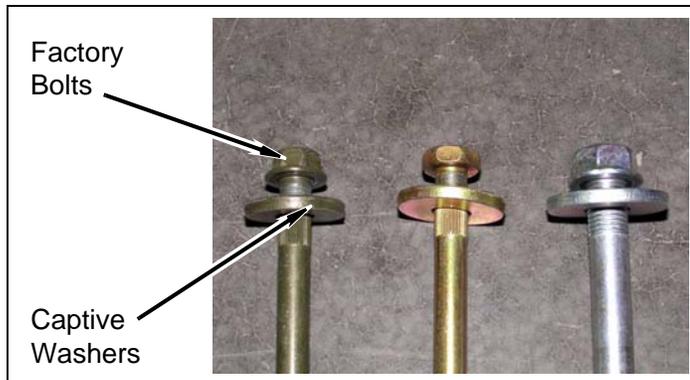
- e. Lower cab onto *kit blocks*.

**⚠ WARNING**  
 Use extreme caution when lifting body from frame. To prevent serious personal injury, ensure the lifting device is securely placed. Keep your hands out from between the body and frame.

**⚠ 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 fire wall, 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.

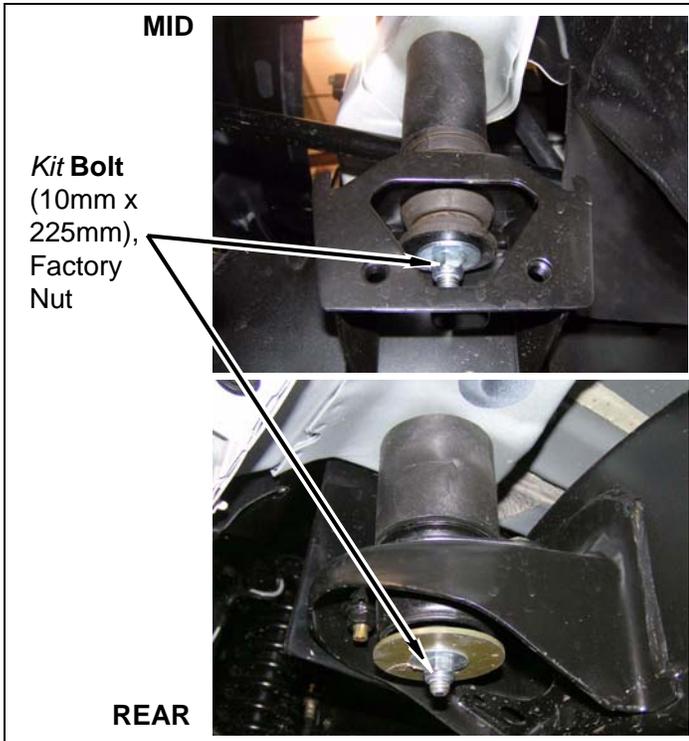
3. Passenger side cab

- a. Remove three captive washers from three factory cab mount bolts.

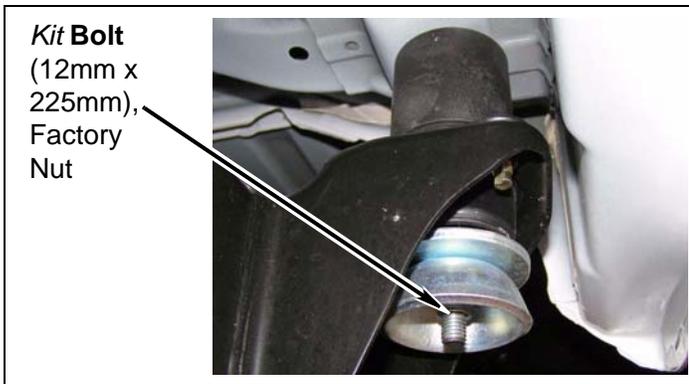


- b. Position a hydraulic floor jack and a wood block under passenger side of cab (under the body seam). Slowly lift cab just enough to install a *kit block* on top of factory upper bushing.

- f. Install two **kit bolts** (10mm x 225mm) and two captive washers onto core support and mid cab mounts. DO NOT TIGHTEN.



- g. Install **kit bolt** (12mm x 225mm) and captive washer on rear cab mount. DO NOT TIGHTEN.

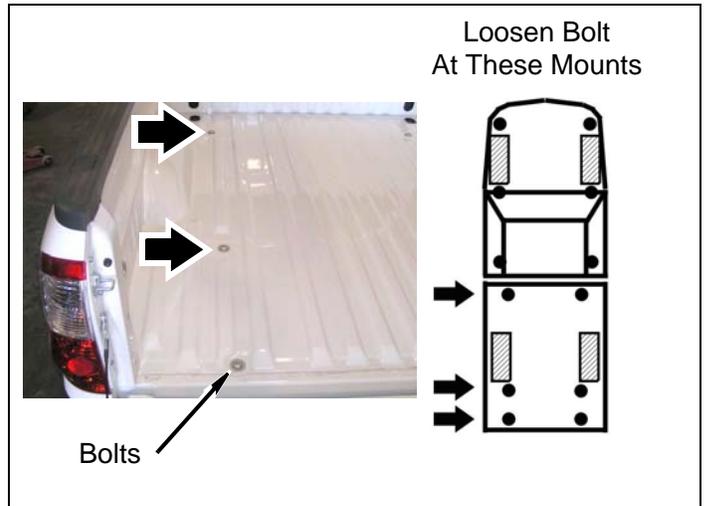


4. Driver side cab

- a. Repeat previous steps on driver side of cab.
- b. Set cab-to-bed spacing according to previous measurement.
- c. Remove each **kit bolt**, one at a time, and apply a small amount of **kit Loctite®** onto threads. Install **kit bolt**, captive washer, lower washer, and factory nut. TIGHTEN **kit bolt** to 55 ft. lbs.

**Bed**

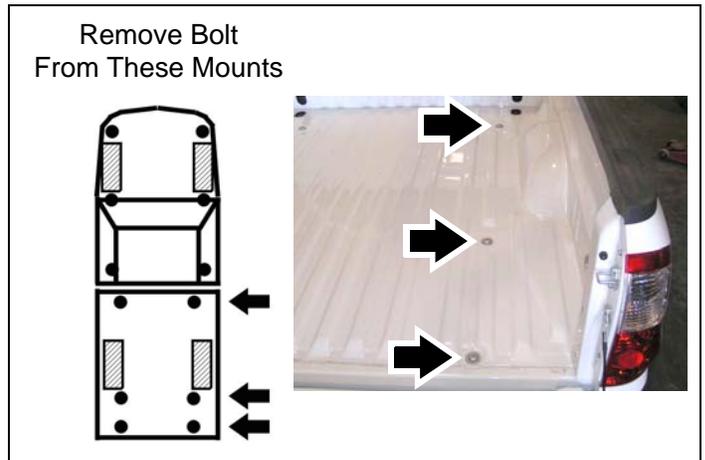
1. Loosen, but DO NOT REMOVE, bed mounting bolts on driver side.



**NOTE**

The number of bed mounting bolts may vary with the length of the bed.

2. Remove bolt from each bed mount on passenger side.



**⚠ WARNING**

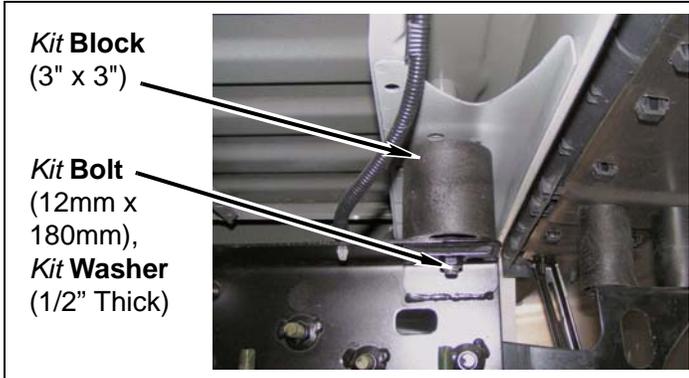
Use extreme caution when lifting the bed from the frame. To prevent serious personal injury, ensure the lifting device is securely placed. Keep your hands out from between the bed and frame.

**⚠ CAUTION**

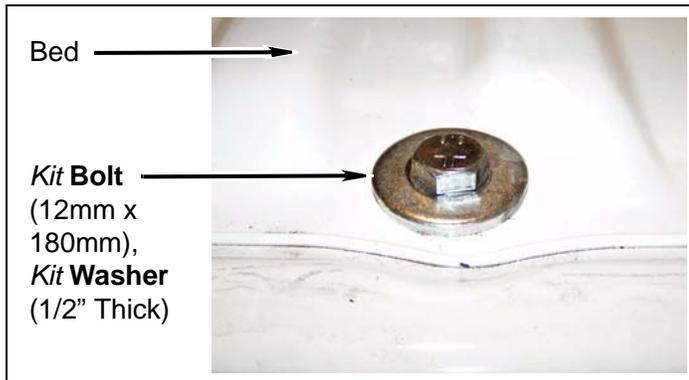
To prevent damage to the vehicle while lifting the bed, continually check hoses, wires, brake lines, etc. to ensure everything is flexing properly and not binding. Ensure clearance between bed and cab is maintained.

### 3. Bed passenger side

- a. Using a hydraulic floor jack and a wood block, slowly lift passenger side of bed a little more than 3".
- b. Install three **kit blocks** (3" x 3") on three frame mounts.



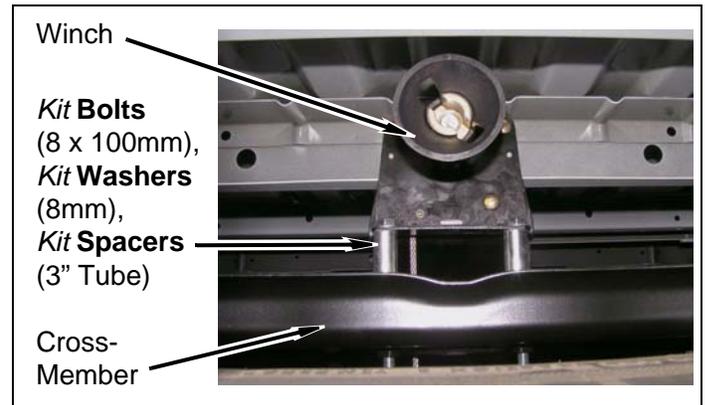
- c. Lower bed onto **kit blocks**.
- d. Install **kit bolts** (12mm x 180mm) and **kit washers** (1/2" thick) onto each bed mount. **DO NOT TIGHTEN.**



- e. Repeat previous steps on driver side of bed.
- f. Set bed-to-cab spacing according to previous measurement.
- g. Remove each **kit bolt**, one at a time, and apply a small amount of **kit Loctite®** onto threads. Install **kit bolt** with **kit washer** (1/2" thick). **TIGHTEN kit bolt** to 55 ft. lbs.

### Rear of Vehicle

1. Install winch onto crossmember with four **kit bolts** (8mm x 100mm), four **kit washers** (8mm), and four **kit spacers** (3" tube).

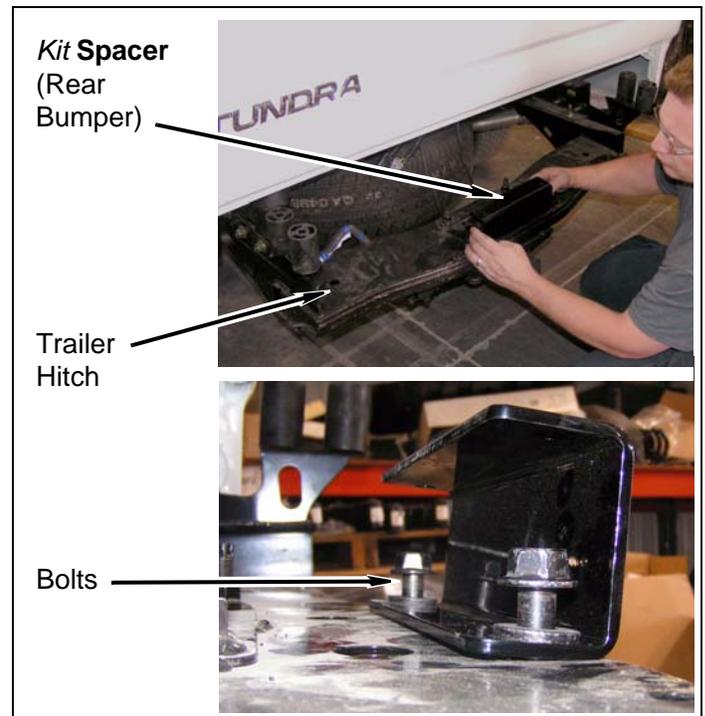


2. Rear bumper (with factory trailer hitch)

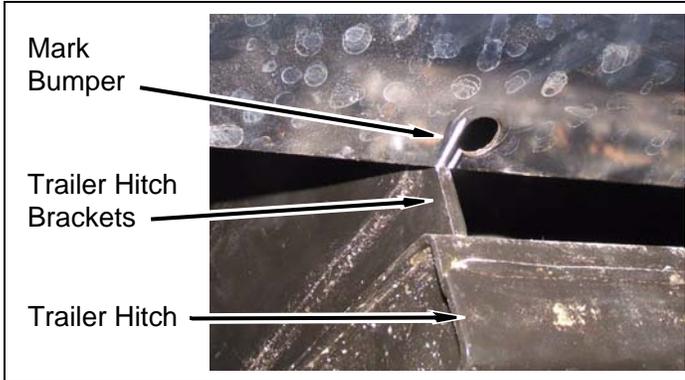
#### ⚠ WARNING

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.

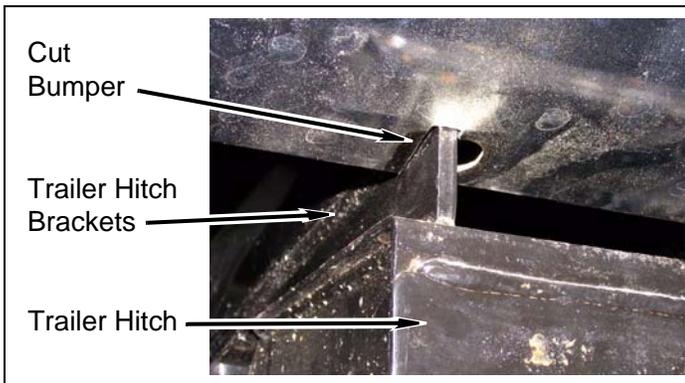
- a. Install **kit spacer** (rear bumper) onto factory hitch with two bolts. **DO NOT TIGHTEN.**
- b. Position four **kit blocks** (3" x 2") onto two trailer hitch brackets.



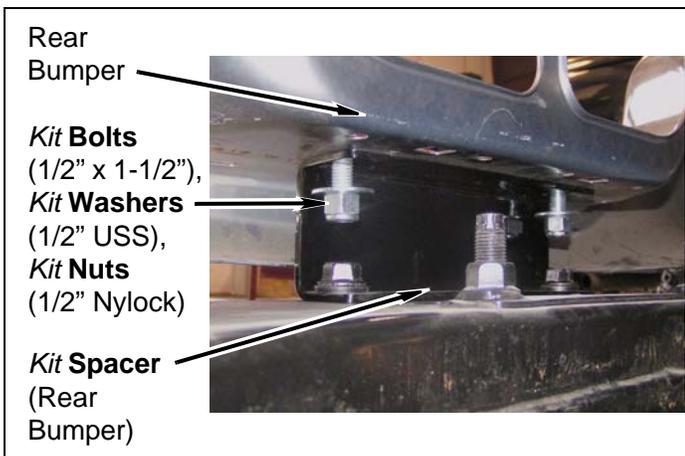
- c. Place bumper onto **kit spacer** (rear bumper) and mark two notches in bumper where two trailer hitch brackets are located.



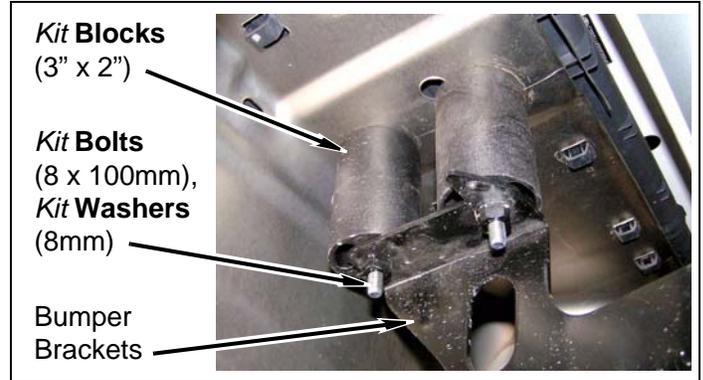
- d. Cut two notches from bumper. Test fit bumper.



- e. Install bumper onto **kit spacer** (rear bumper) with two **kit bolts** (1/2" x 1-1/2"), four **kit washers** (1/2" USS), and two **kit nuts** (1/2" Nylock). DO NOT TIGHTEN.

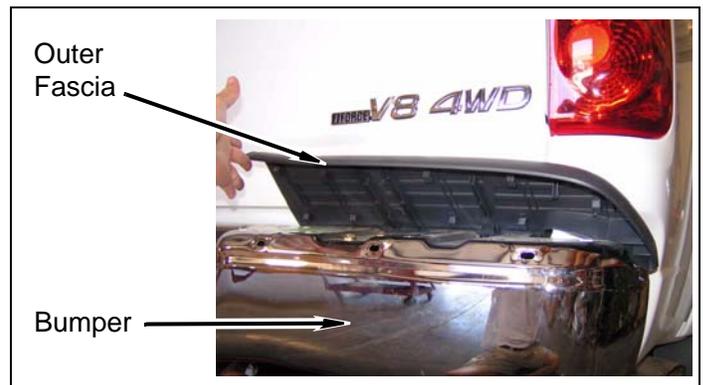


- f. Install bumper onto four **kit blocks** (3" x 2") with four **kit bolts** (8mm x 100mm) and four **kit washers** (8mm). DO NOT TIGHTEN.



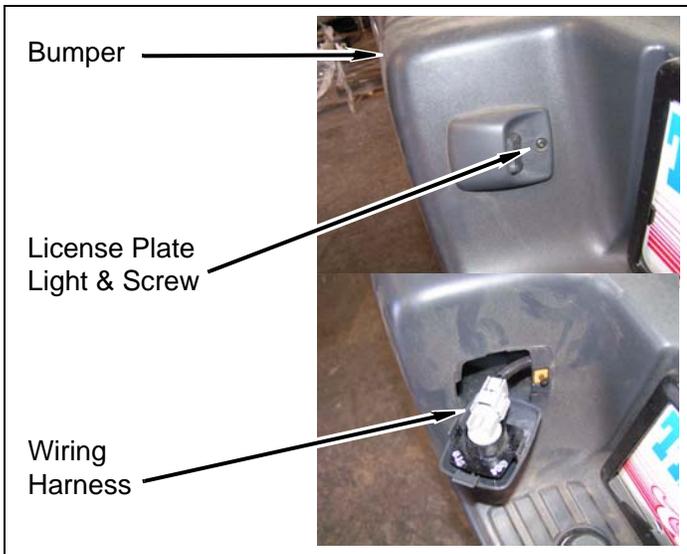
- g. Adjust bumper to previously recorded measurement and TIGHTEN all hardware. Trim previously made notches, if necessary.

- h. Install two outer bumper fascias onto bumper.



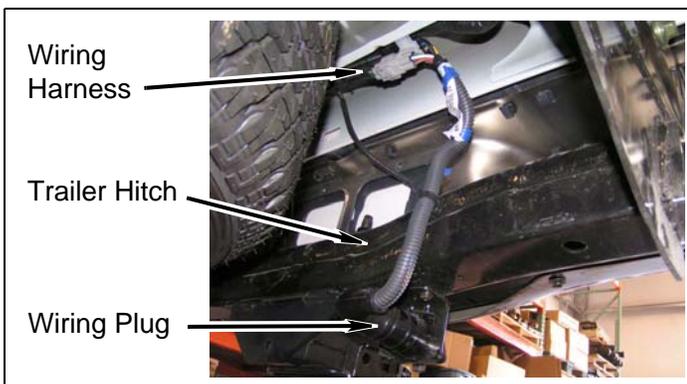
- i. Route two license plate light wiring harnesses through center bumper fascia. Install center bumper fascia onto bumper.

- j. Connect two license plate light wiring harnesses onto two license plate lights and install onto bumper with two screws.



- k. Install license plate onto bumper with two screws.

- l. Connect trailer wiring harness.

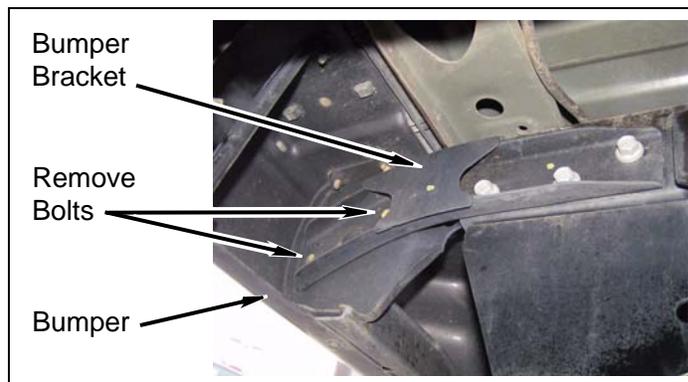


- 3. Rear bumper (without factory trailer hitch)

**⚠ WARNING**

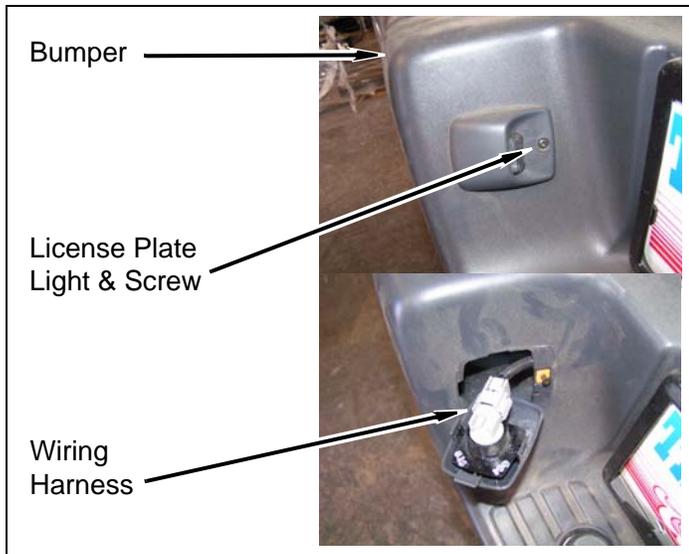
The following procedure is intended only to enhance the appearance of the vehicle. The rear bumper will no longer be rated for towing of any kind. Towing with the rear bumper after it has been lifted can result in death, serious personal injury, or damage to the vehicle. Towing after the bumper has been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

- a. Remove four bolts and two bumper brackets.



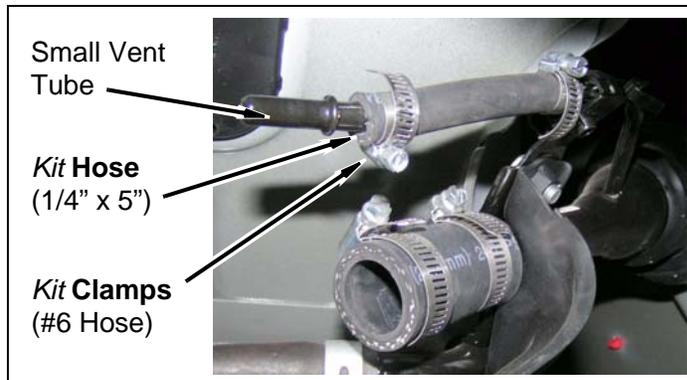
- b. Install two *kit brackets* (rear bumper) onto bumper with four bolts. DO NOT TIGHTEN.
- c. Install bumper onto frame with four bolts. DO NOT TIGHTEN.
- d. Adjust bumper to previously recorded measurement and TIGHTEN all hardware.
- e. Route two license plate light wiring harnesses through center bumper fascia. Install center bumper fascia onto bumper.

- f. Connect two license plate light wiring harnesses onto two license plate lights and install onto bumper with two screws.



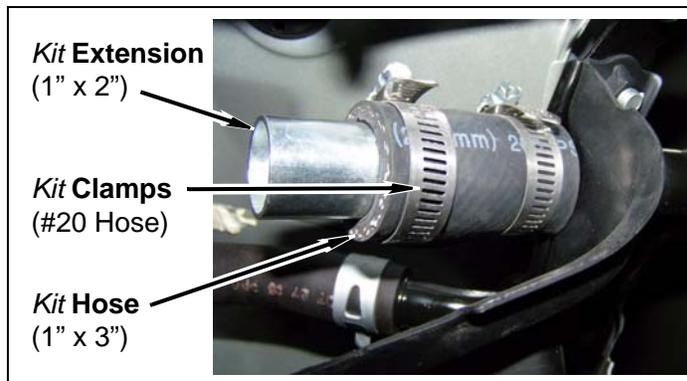
4. Fuel filler

- d. Install *kit hose* (1/4" x 5") between two cut ends of vent tube with two *kit clamps* (#6 hose). DO NOT TIGHTEN.

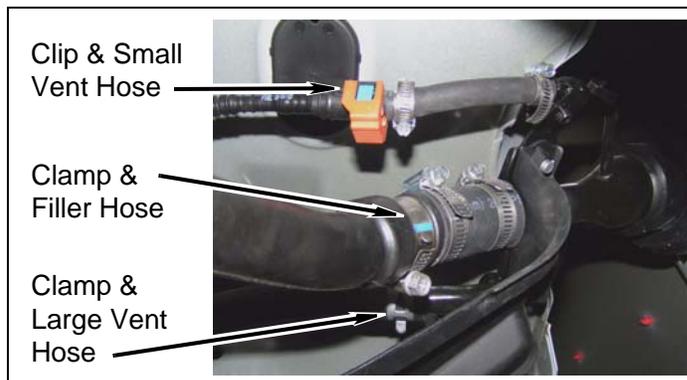


- e. Install *kit hose* (1" x 3") onto filler tube of fuel filler with *kit clamp* (#20 hose). DO NOT TIGHTEN.

- f. Install *kit extension* (1" x 2") into *kit hose* (1" x 3") with *kit clamp* (#20 hose). DO NOT TIGHTEN.



- g. Install small vent hose and large vent hose onto fuel filler with clip and clamp.
- h. Install fuel filler hose onto *kit extension* (1" x 2") with clamp. DO NOT TIGHTEN.

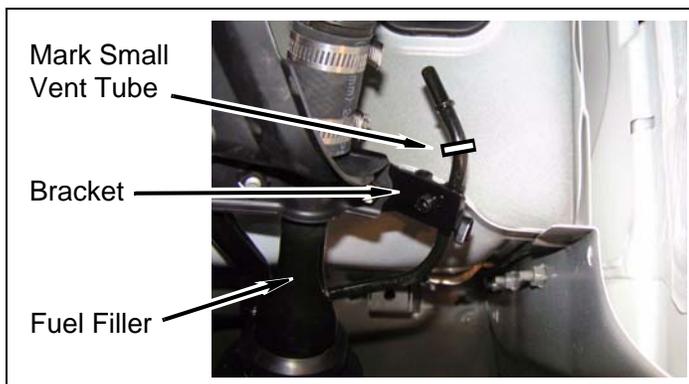


- i. Install *kit bracket* (Z-shaped) onto frame with nut.

**⚠ WARNING**

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

- a. Mark small vent tube on fuel filler as shown.



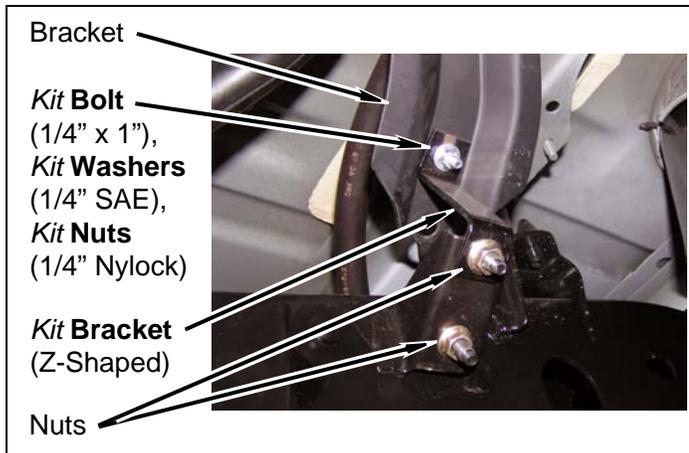
- b. Cut vent tube along mark.

**NOTE**

*Kit hose* (1" x 3") is actually 4" in length. It must be cut down to 3" in length for proper installation.

- c. Cut 1" of length from *kit hose* (1" x 3").

- j. Install fuel filler bracket onto **kit bracket** (Z-shaped) with **kit bolt** (1/4" x 1"), two **kit washers** (1/4" SAE), and **kit nut** (1/4" Nylock).

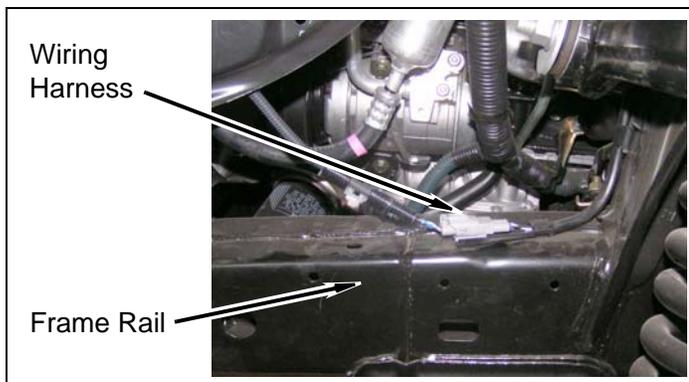


- k. Adjust fuel filler onto bedside and TIGHTEN all hardware.

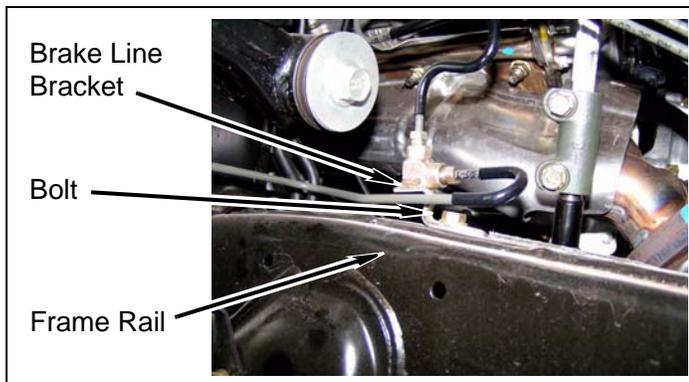
- l. Install fuel cap.

## Underside of Vehicle

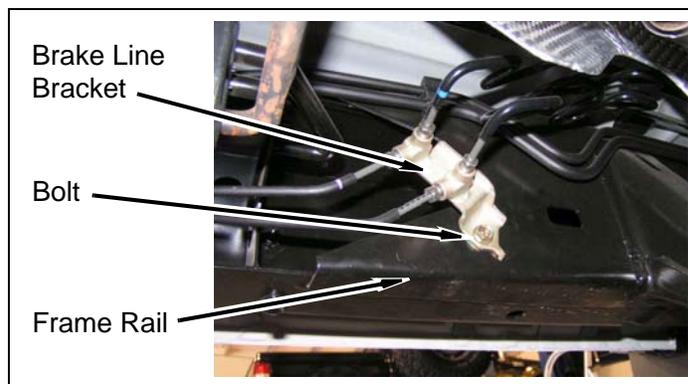
1. Install two wiring harnesses onto driver and passenger frame rails, if possible.



2. Bend brake lines carefully and install two brake line junction brackets onto passenger and driver side frame rails.

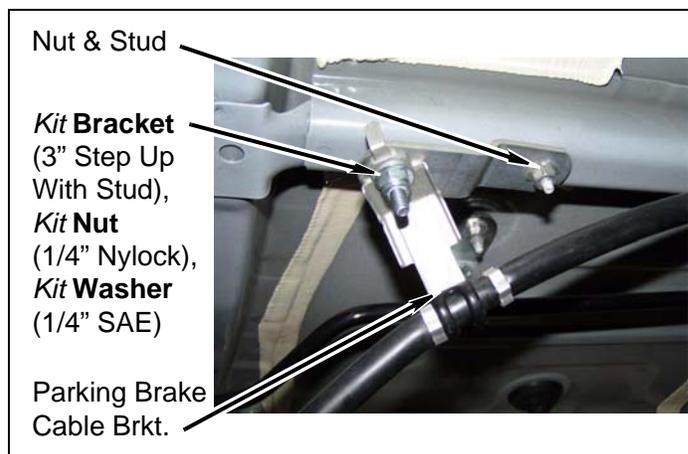


3. Bend brake lines carefully and install brake line bracket onto passenger side frame rail with bolt.



4. Parking brake cable

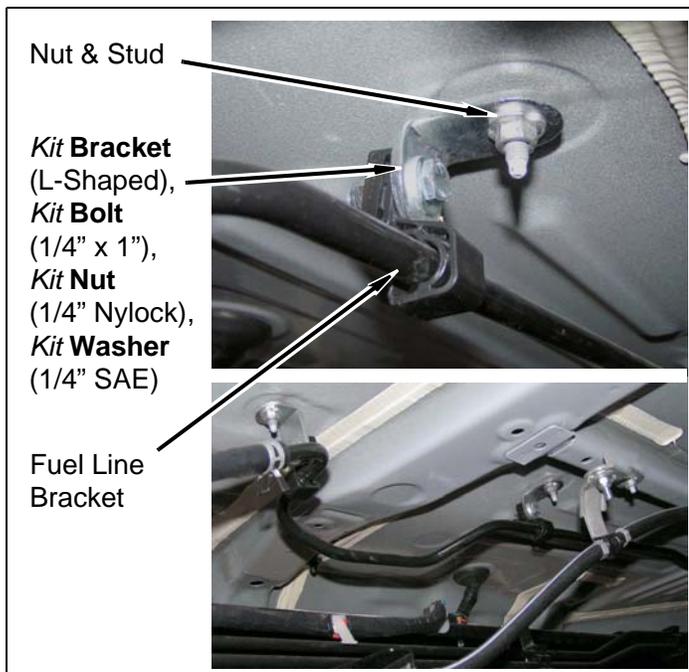
- a. Install **kit bracket** (3" step up with stud) onto driver side underbody stud with nut.
- b. Install parking brake cable bracket onto **kit bracket** (3" step up with stud) with **kit bolt** (1/4" x 1"), two **kit washers** (1/4" SAE), and **kit nut** (1/4" Nylock).



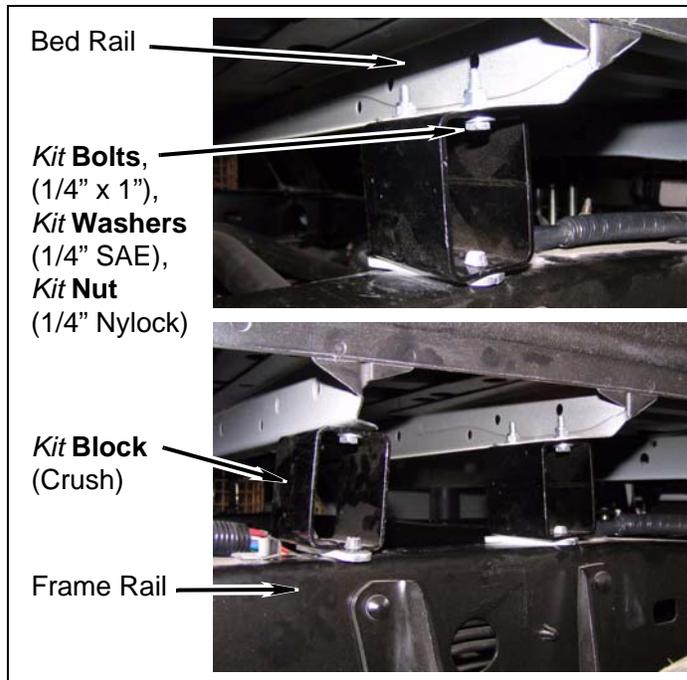
5. Fuel line

- a. Install two **kit brackets** (L-shaped) onto driver side underbody studs with two nuts.

- b. Install fuel line and two brackets onto two **kit brackets** (L-shaped) with two **kit bolts** (1/4" x 1"), four **kit washers** (1/4" SAE), and two **kit nuts** (1/4" Nylock).

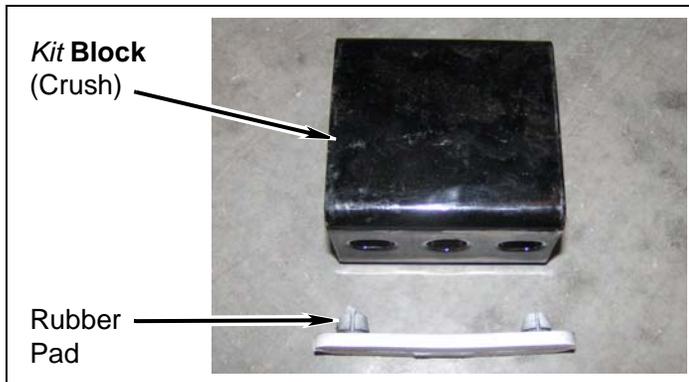


- b. Install two **kit blocks** (crush) onto two bed rails with four **kit bolts** (1/4" x 1"), eight **kit washers** (1/4" SAE), and four **kit nuts** (1/4" Nylock).



6. Driver side crush blocks

- a. Remove two rubber pads from bed rails and install onto bottom of two **kit blocks** (crush).

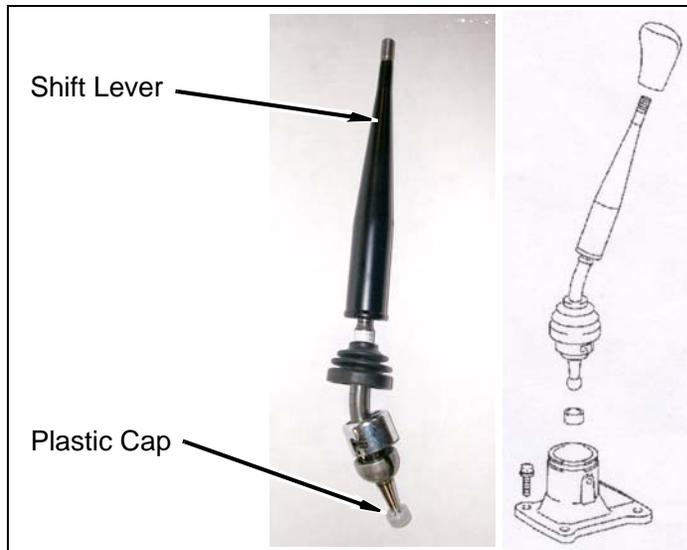


- c. Repeat above steps for passenger side crush blocks.

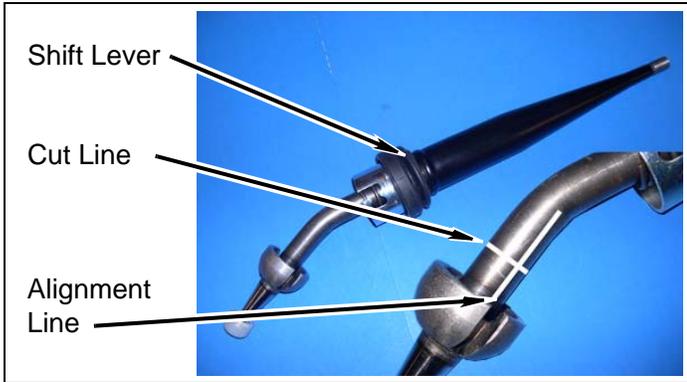
**Inside of Vehicle**

1. **Manual transmission:** shift lever

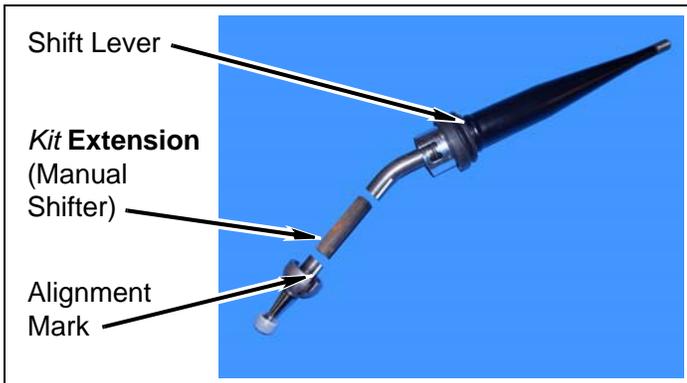
- a. Remove plastic cap from end of shift lever.



- b. Mark alignment and cut lines on shifter lever below bend.



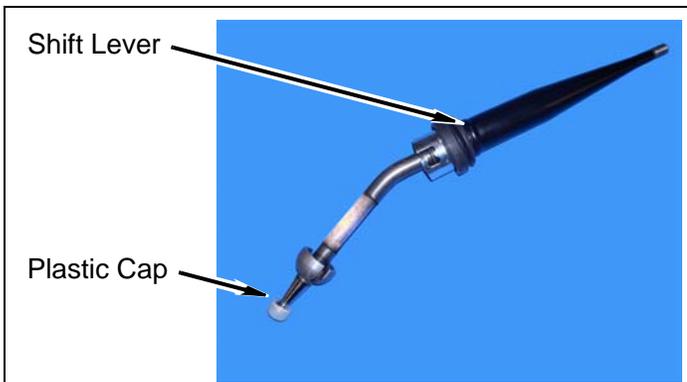
- c. Cut shifter lever along marked cut line.
- d. Position **kit extension** (manual shifter) between two cut pieces of shifter lever. Ensure alignment marks on each cut shifter lever piece are aligned and rubber boot is on shift lever.



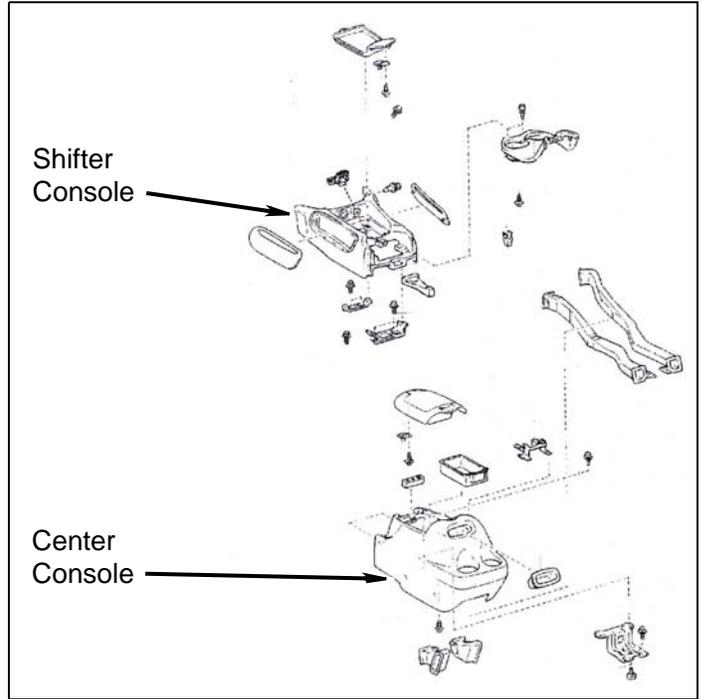
- e. Weld **kit extension** (manual shifter) in place.

**⚠ WARNING**  
Welding should be performed by a certified welder.

- f. Grind off any excess welds.
- g. Install plastic cap to end of shifter lever.
- h. Install shifter lever.

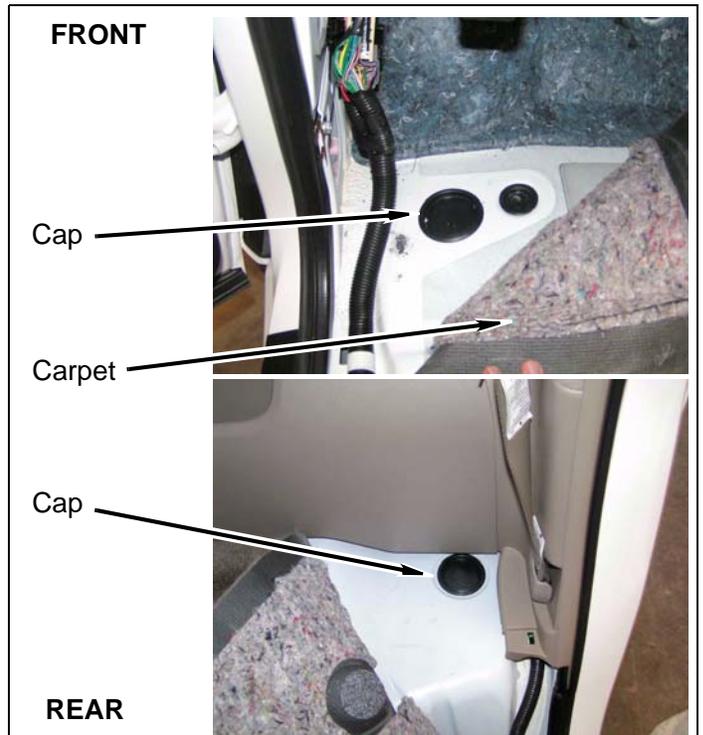


- i. Install shift and center consoles.

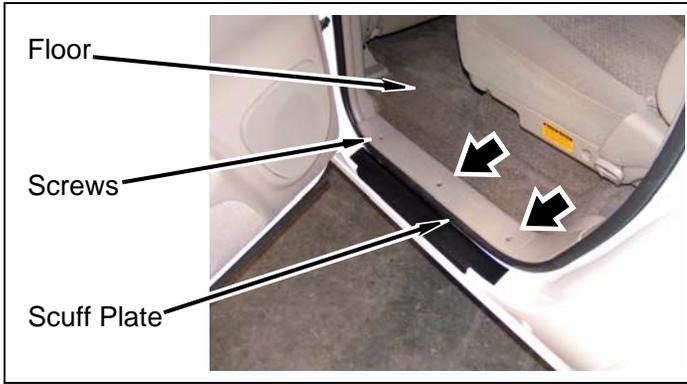


2. Driver side interior

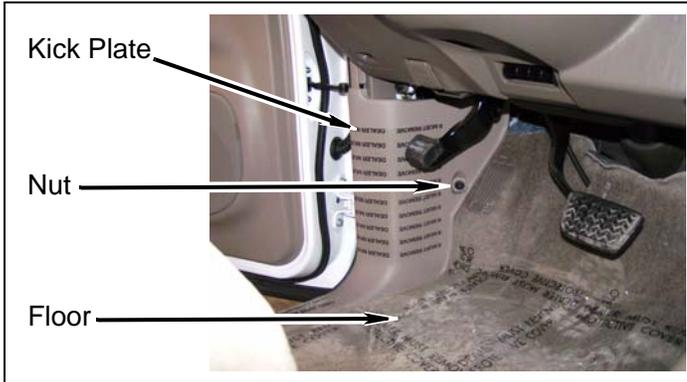
- a. Install two cab bolt caps onto floor and lay carpet down.



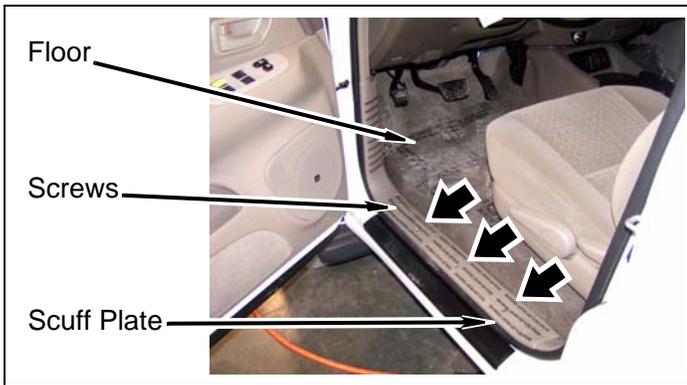
- b. Install rear scuff plate onto floor with three screws.



- c. Install kick panel onto cab with nut.



- d. Install front scuff plate onto floor with four screws.

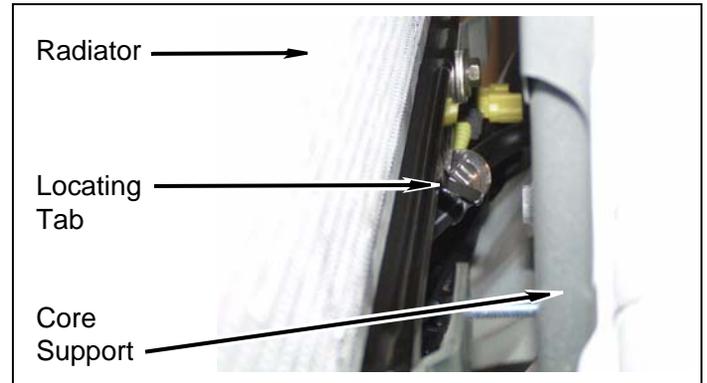


- e. Repeat above steps for passenger side interior.
- f. Flip rear seats down, if equipped.

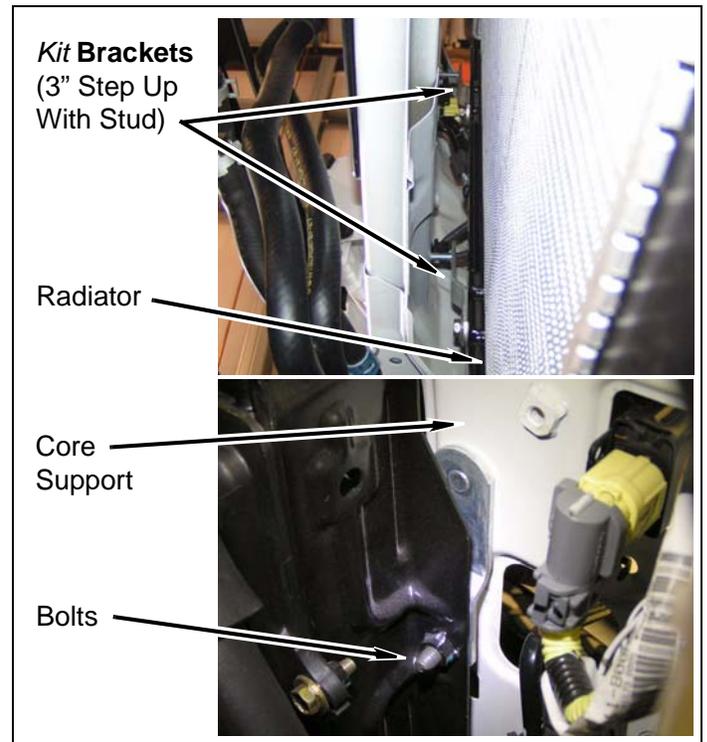
## Engine Compartment

- 1. Radiator

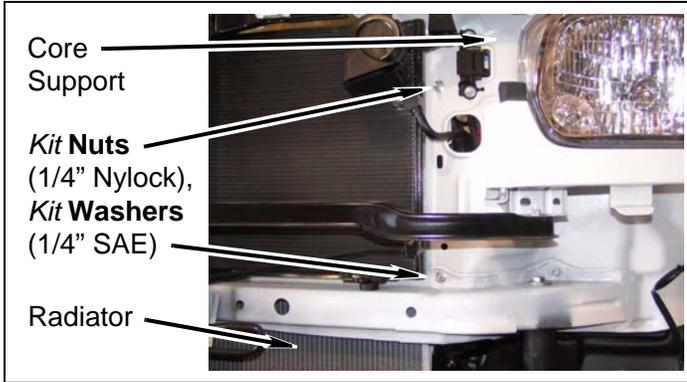
- a. Bend two locating tabs outward away from center of radiator.



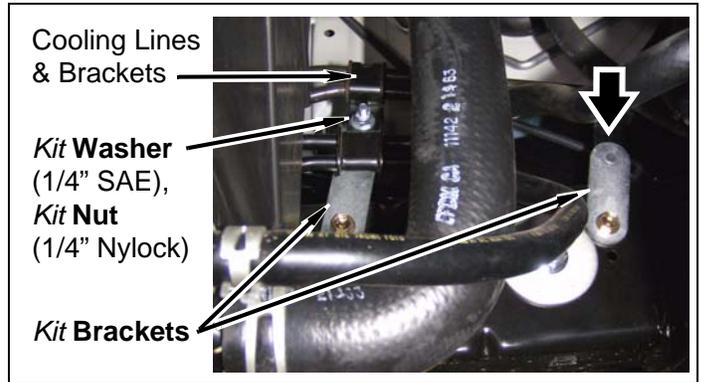
- b. Install four *kit brackets* (3" step up with stud) onto radiator with four bolts. Align *kit brackets* vertically and TIGHTEN four bolts.



- c. Install radiator onto core support with four **kit washers** (1/4" SAE) and four **kit nuts** (1/4" Nylock).

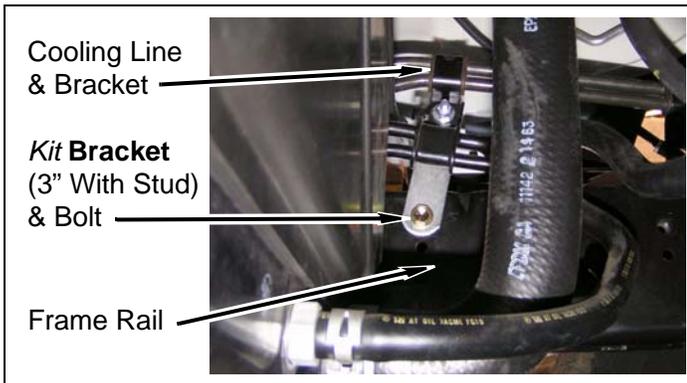


- c. Install two cooling line brackets and power steering cooling lines onto two **kit brackets** with two **kit washers** (1/4" SAE) and two **kit nuts** (1/4" Nylock). TIGHTEN all hardware.

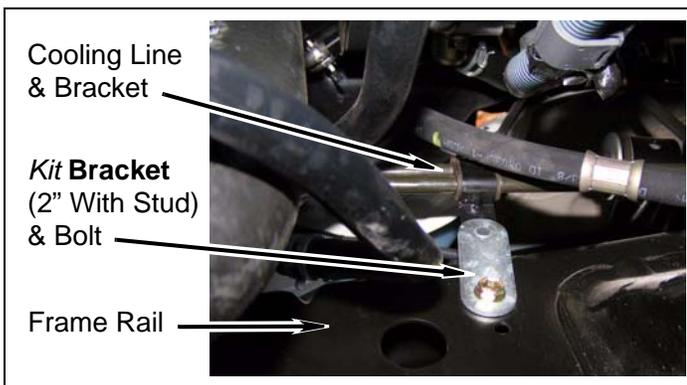


2. Power steering cooling lines

- a. Install **kit bracket** (3" with stud) onto forward cooling line mount onto inside of passenger side frame with bolt. DO NOT TIGHTEN.

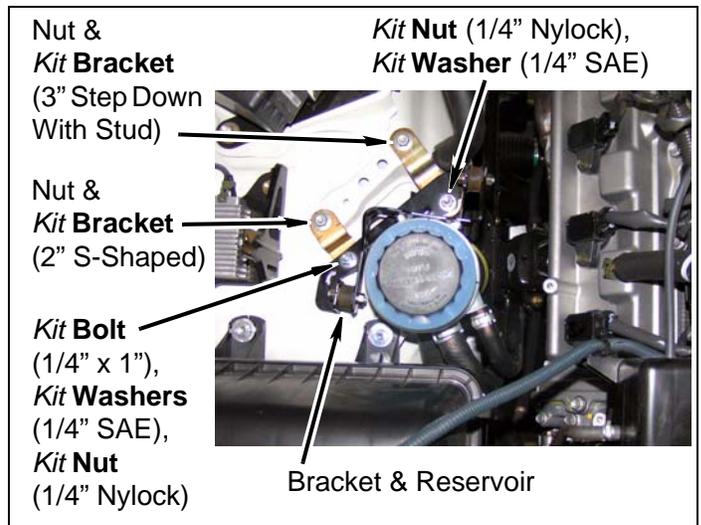


- b. Install **kit bracket** (2" with stud) onto rearward cooling line mount onto inside of passenger side frame with bolt. DO NOT TIGHTEN.



3. Power steering reservoir

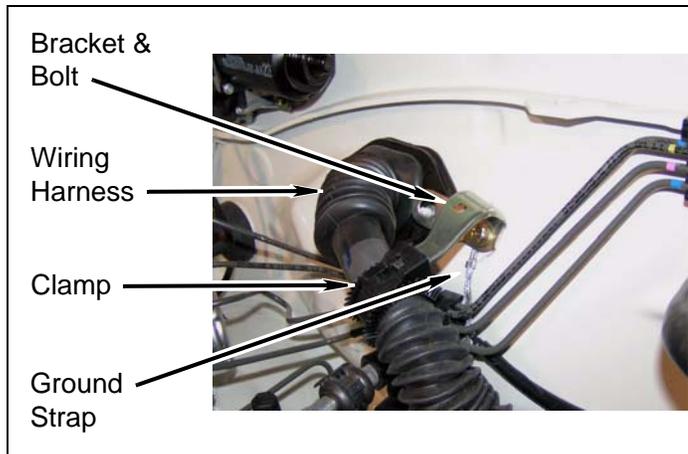
- a. Install **kit bracket** (3" step down with stud) onto rear power steering reservoir mount stud with nut. DO NOT TIGHTEN.
- b. Install **kit bracket** (2" S-shaped) onto front power steering reservoir mount stud with nut. DO NOT TIGHTEN.
- c. Install power steering reservoir onto **kit bracket** (2" S-shaped) with **kit bolt** (1/4" x 1"), two **kit washers** (1/4" SAE) and **kit nut** (1/4" Nylock).
- d. Install power steering reservoir onto **kit bracket** (3" step down with stud) with **kit washer** (1/4" SAE) and **kit nut** (1/4" Nylock).



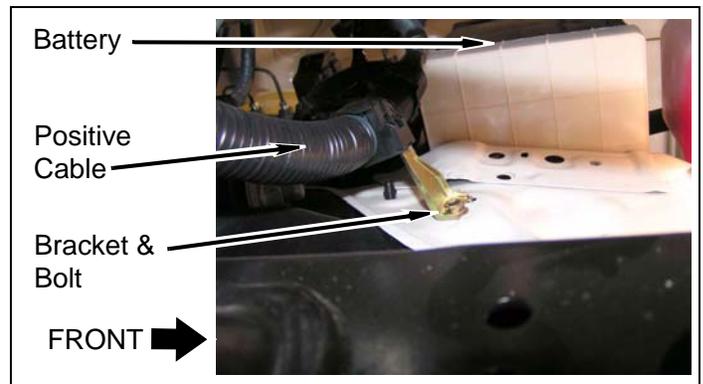
- e. Adjust power steering reservoir while keeping power steering lines away from engine. TIGHTEN all hardware.

#### 4. Engine wiring harness

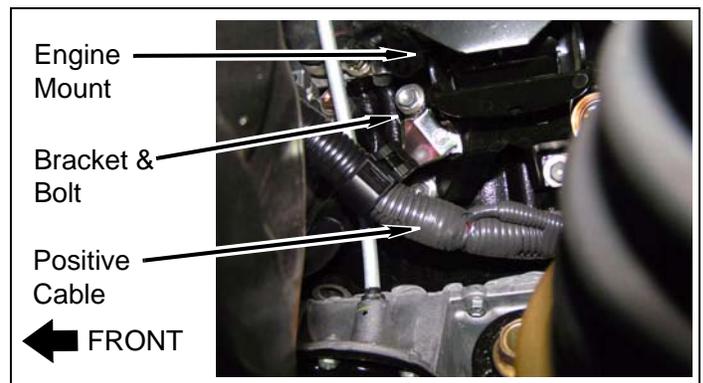
- Install wiring harness bracket and ground wire onto firewall with bolt.
- Bend bracket down and install wiring harness clamp onto bracket.



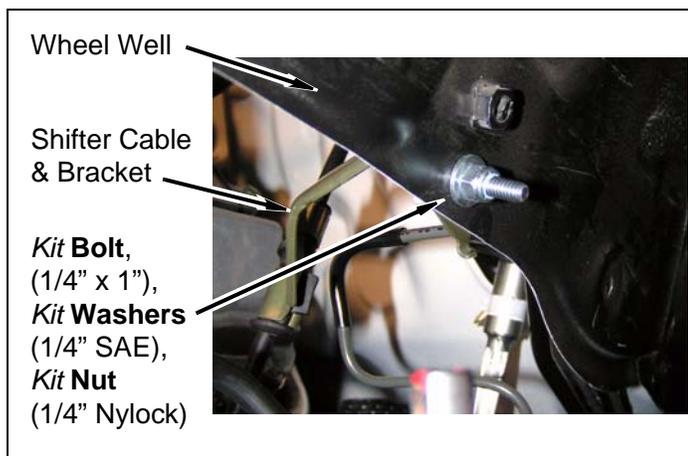
- Install positive battery cable bracket onto driver side wheel well with bolt.



- Install positive battery cable bracket onto driver side engine mount with bolt.



- #### 5. Install shifter cable and bracket onto driver side wheel well with *kit bolt* (1/4" x 1"), two *kit washers* (1/4" SAE), and *kit nut* (1/4" Nylock).



#### 6. Positive battery cable

- Check fitment of positive battery cable. If more length is necessary, loosen two plastic wiring harness clamps and move down wiring harness as needed.

#### 7. Steering shaft

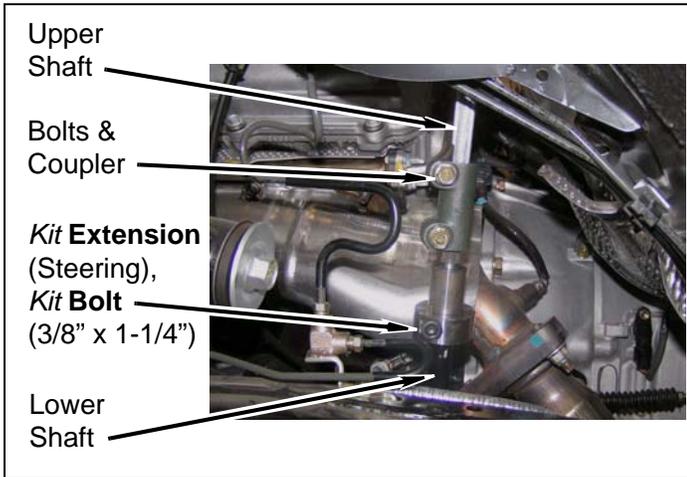


#### ⚠ WARNING

Verify the steering extension is securely installed as specified in the instructions. Failure to do so may cause steering malfunction, resulting in property damage or serious personal injury.

- Slide coupler up onto upper steering shaft.
- Install *kit extension* (steering) onto lower steering shaft.

- c. Align marks on upper and lower steering shaft and slide coupler down and connect upper steering shaft to **kit extension** (steering).
- d. Apply a small amount of **kit Loctite®** onto factory bolts and **kit bolt** (3/8" x 1-1/4").

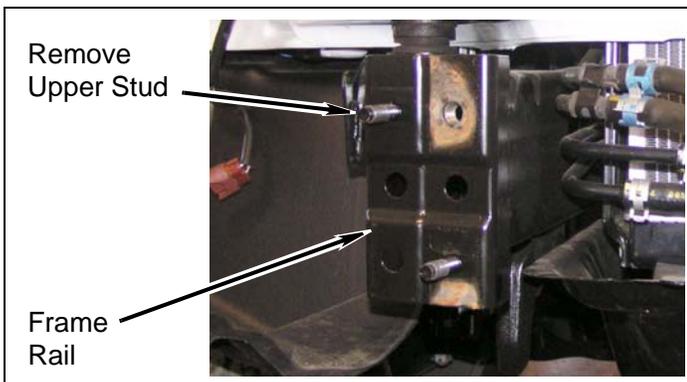


- e. Install and TIGHTEN bolts to 33 lb.-ft.

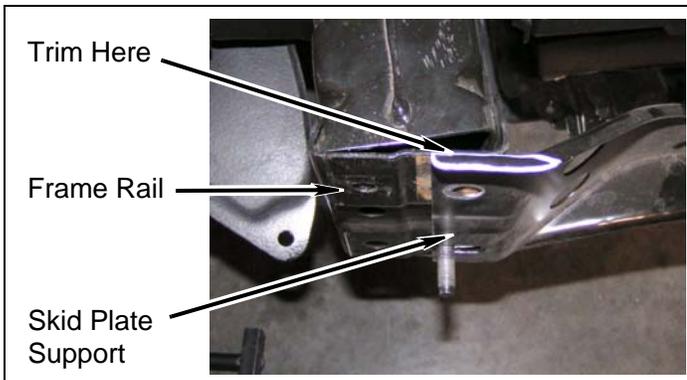
## Front of Vehicle

### 1. Front bumper

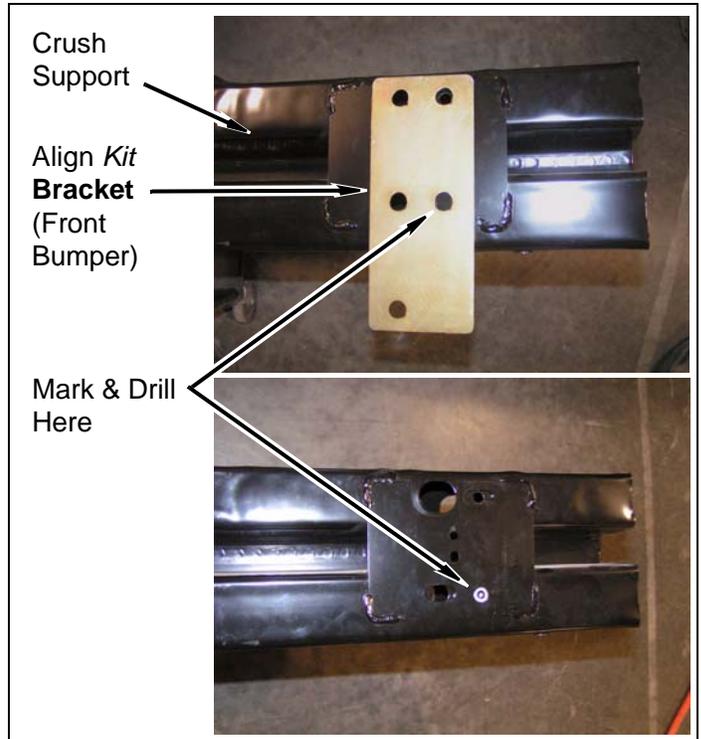
- a. Remove passenger side upper frame stud.



- b. Mark passenger and driver side skid plate support and trim along marked lines.

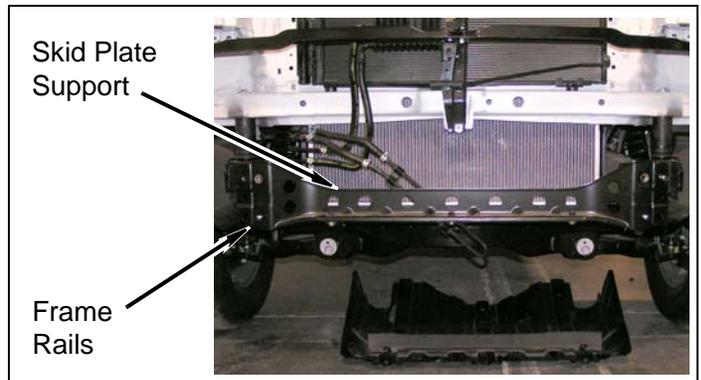


- c. Align holes of two **kit brackets** (front bumper) with bumper crush support and mark two drill holes.



- d. Drill two 1/2" holes into bumper crush support.

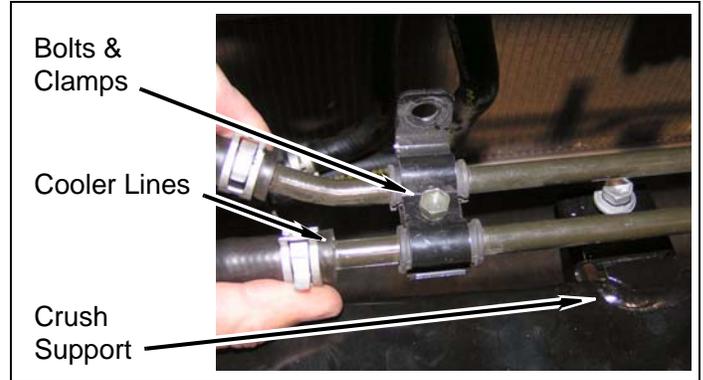
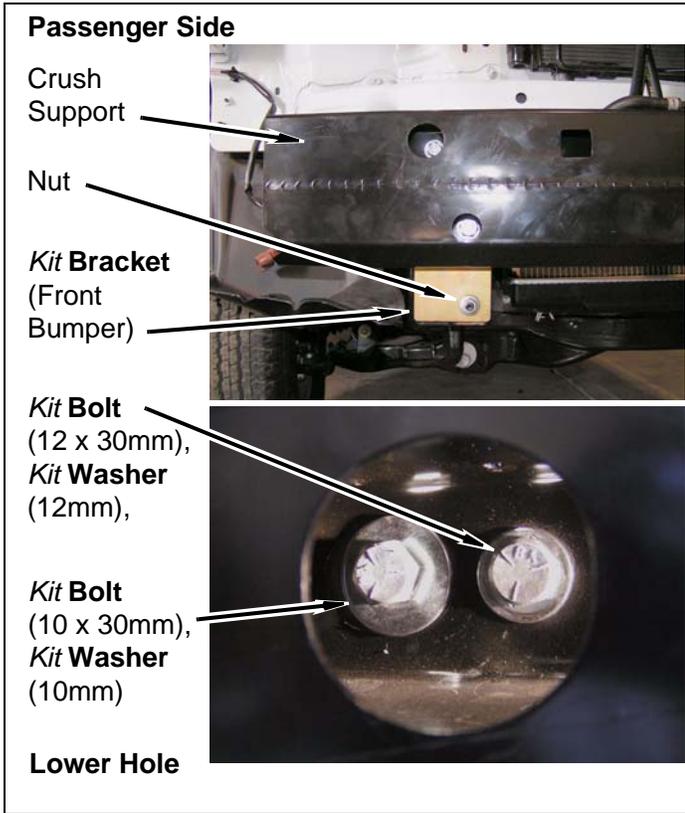
- e. Install skid plate support onto frame rails.



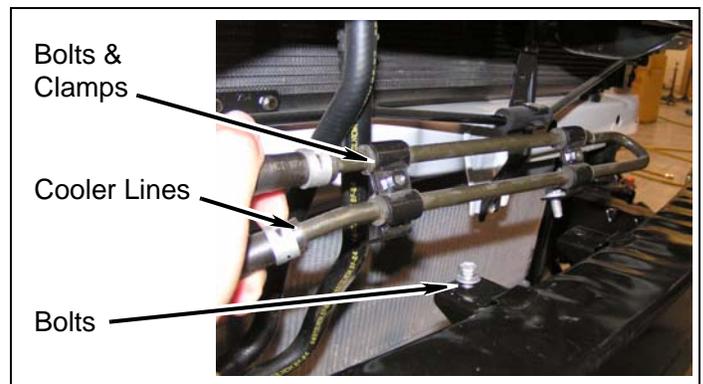
- f. Install **kit bracket** (front bumper) and bumper crush support onto driver side frame rail with two nuts, **kit bolt** (12mm x 30mm), and **kit washer** (12mm). DO NOT TIGHTEN.

- g. Install **kit bracket** (front bumper) and bumper crush support onto passenger side frame rail with nut, **kit bolt** (10mm x 30mm), **kit washer** (10mm), **kit bolt** (12mm x 30mm), and **kit washer** (12mm). DO NOT TIGHTEN.

- i. Remove two bolts and clamps from power steering cooler line. Flip clamps and install onto power steering cooler line with two bolt.



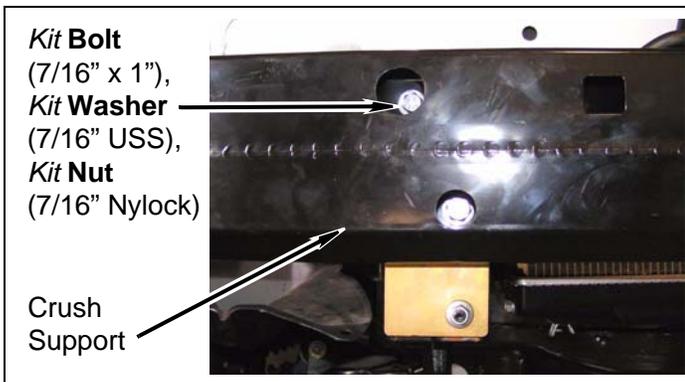
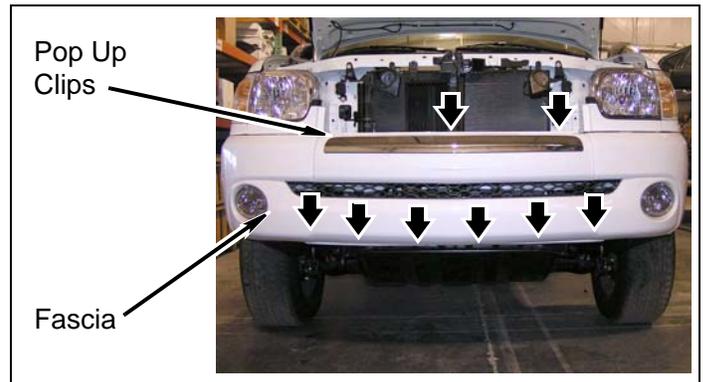
- j. Install power steering cooler line onto bumper crush support with two bolts.



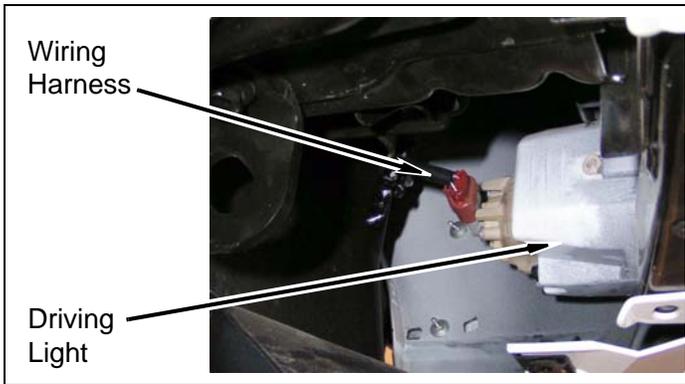
- k. Install fascia onto vehicle with nine pop up clips.

**NOTE**  
Two nuts install onto lower frame studs; one nut installs onto upper driver frame stud; **kit bolt** (10mm x 30mm) installs into upper passenger frame hole.

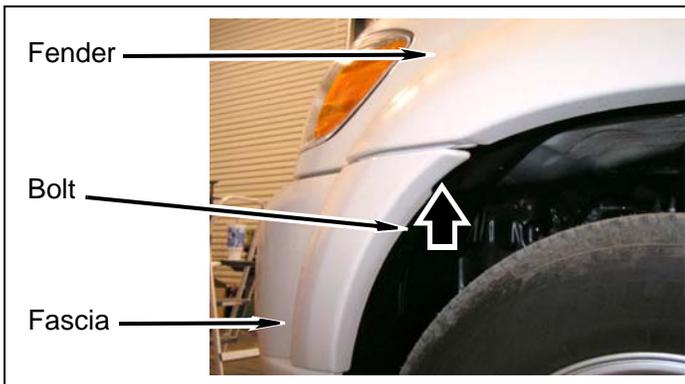
- h. Install bumper crush support onto two **kit brackets** (front bumper) with two **kit bolts** (7/16" x 1"), four **kit washers** (7/16" USS), and two **kit nuts** (7/16" Nylock). TIGHTEN all hardware.



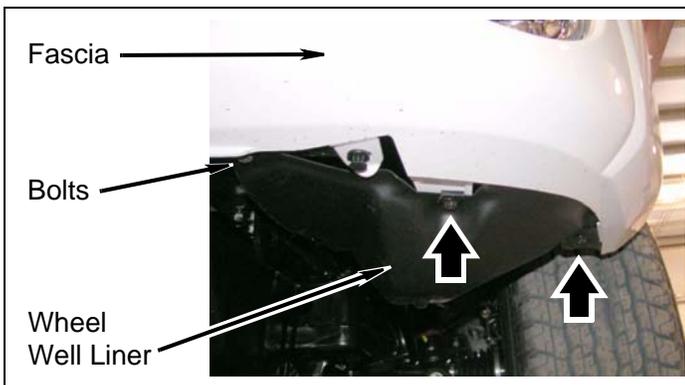
- I. Connect two driving light wiring harnesses onto two driving lights.



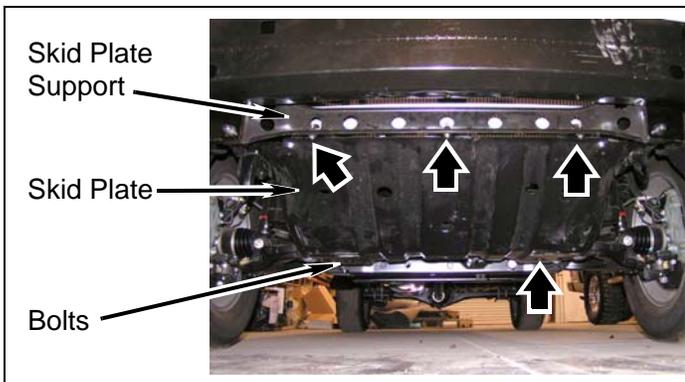
- m. Install fascia onto two fenders with two bolts.



- n. Install fascia onto two wheel well liners with six bolts.



2. Install skid plate onto skid plate support and cross-member with five bolts.



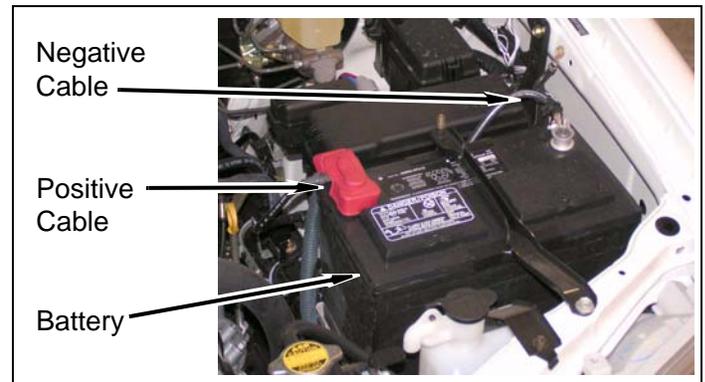
## After Completing Installation

### Inside Cab

1. Install airbag fuse and fuse block cover.

### Engine Compartment

1. Connect both battery cables. Connect positive cable first, then negative cable.



### Miscellaneous

1. Apply *kit label* (warning) onto dashboard in plain sight of all vehicle occupants.
2. Check all fasteners to ensure they are tight.
3. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack.
4. Adjust headlights.

#### **⚠WARNING**

If the engine cooling system is hot, the coolant will be **HOT** and **UNDER PRESSURE**. To prevent serious personal injury, wait until the cooling system is completely cool before removing the cap from the radiator.

5. Start engine and top off cooling system. Purge air from cooling system according to manufacturer's instructions. Install radiator cap.

## Dynamic Vehicle Check

1. Check steering in both directions to ensure that there is no bind. Check operation of clutch, brake system, and parking brake. Check operation of transmission and transfer case. Ensure there is full engagement in all gears and 4WD ranges. Check battery connections and electrical component operations. Test-drive vehicle.

### ⚠WARNING

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.

### ⚠CAUTION

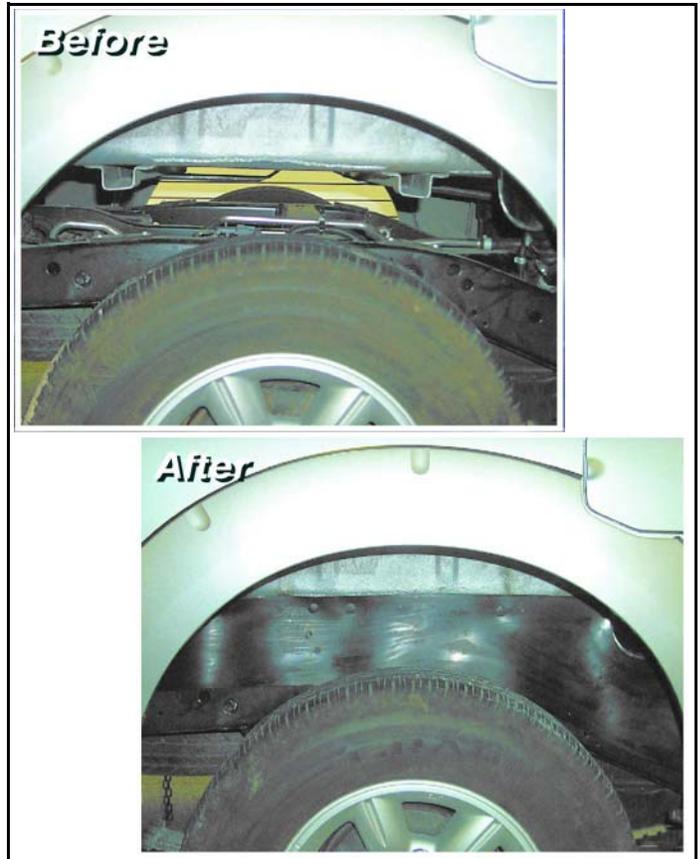
Performance Automotive Group does not recommend any particular wheel and tire combinations for use with its body lifts and cannot assume responsibility for the customer's choice of wheels and tires. Refer to your owner's manual for recommended tire sizes and warnings related to the use of oversized tires. 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 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 the 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.

## Accessories

### Kit# 6339 Front & Rear Gap Guards



# Kit Parts List

\* For vehicles with no factory hitch

\*\* For vehicles with factory hitch

## Qty. Description

- 6 **Block** (3" x 2")
- 10 **Block** (3" x 3")
- 4 **Block** (crush)
- 2 **Bracket** (front bumper)
- 2 **Bracket** (rear bumper)\*
- 1 **Extension** (1" x 2")
- 1 **Hose** (1/4" x 5")
- 1 **Hose** (1" x 3")
- 1 **Loctite®** (6ml bottle)
- 1 **Logo** (label)
- 1 **Logo** (warning)
- 1 **Spacer** (rear bumper)\*\*
  
- 1** **BP5623 (Bolt Pack)**
- 1 **Bolt** (3/8" x 1-1/4", socket)
- 4 **Bolt** (10mm x 225mm)
- 6 **Bolt** (12mm x 180mm)
- 2 **Bolt** (12mm x 225mm)
- 1 **Extension** (steering)
- 6 **Washer** (1/2" thick)
  
- 1** **HP5623 (Hardware Pack)**
- 10 **Bolt** (1/4" x 1")
- 2 **Bolt** (7/16" x 1")
- 2 **Bolt** (1/2" x 1-1/2")
- 8 **Bolt** (8mm x 100mm)
- 1 **Bolt** (10mm x 30mm)
- 2 **Bolt** (12mm x 30mm)
- 1 **Bracket** (2" with stud)
- 1 **Bracket** (2" S-shaped)
- 1 **Bracket** (3" with stud)
- 1 **Bracket** (3" step down with stud)
- 5 **Bracket** (3" step up with stud)
- 1 **Bracket** (3" Z-shaped)
- 2 **Bracket** (L-shaped)
- 2 **Clamp** (#6 hose)
- 2 **Clamp** (#20 hose)
- 1 **Extension** (manual shifter)
- 16 **Nut** (1/4" Nylock)
- 2 **Nut** (7/16" Nylock)
- 2 **Nut** (1/2" Nylock)
- 4 **Spacer** (3" tube)
- 2 **Tie** (zip)
- 25 **Washer** (1/4" SAE)
- 4 **Washer** (7/16" USS)
- 4 **Washer** (1/2" USS)
- 8 **Washer** (8mm)
- 1 **Washer** (10mm)
- 2 **Washer** (12mm)

**NOTE**  
Depending on the vehicle configuration (automatic or manual transmission, 2WD or 4WD, cab length, bed length, etc.), some parts may not be used.



*Kit Bracket*  
(2" with stud)



*Kit Bracket*  
(3" with stud)



*Kit Bracket*  
(3" step up with stud)



*Kit Bracket*  
(3" step down with stud)



*Kit Bracket*  
(2" S-shaped)



*Kit Bracket*  
(L-shaped)



*Kit Bracket*  
(3" Z-shaped)