



JEEP WRANGLER JK 2 & 4 DOOR 1" BODY LIFT KIT

INSTALLATION INSTRUCTIONS 2012-2015 KIT# 993

⚠ 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. 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.

Positive Cable

Negative Cable



2. Airbag Fuse

NOTE

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

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

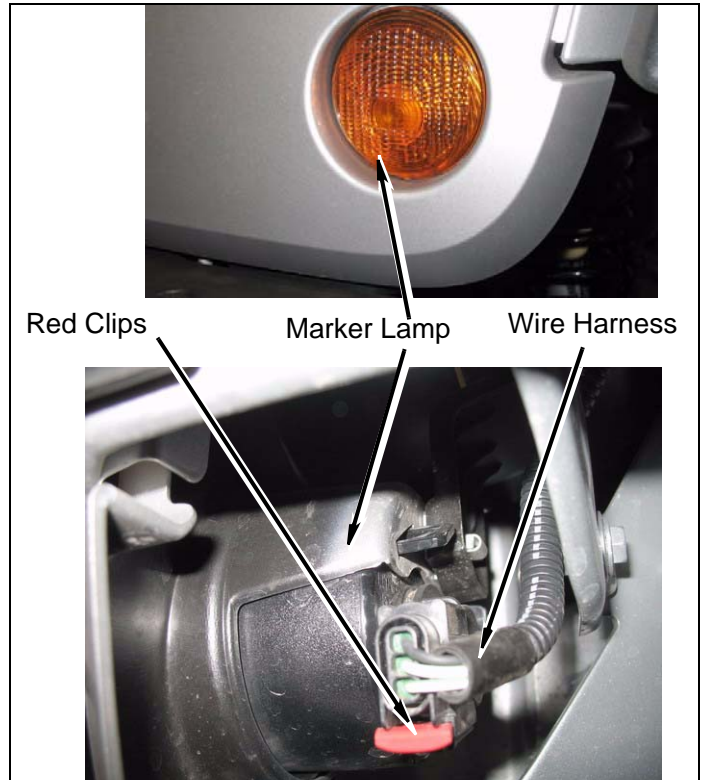


Prepare to Install Kit

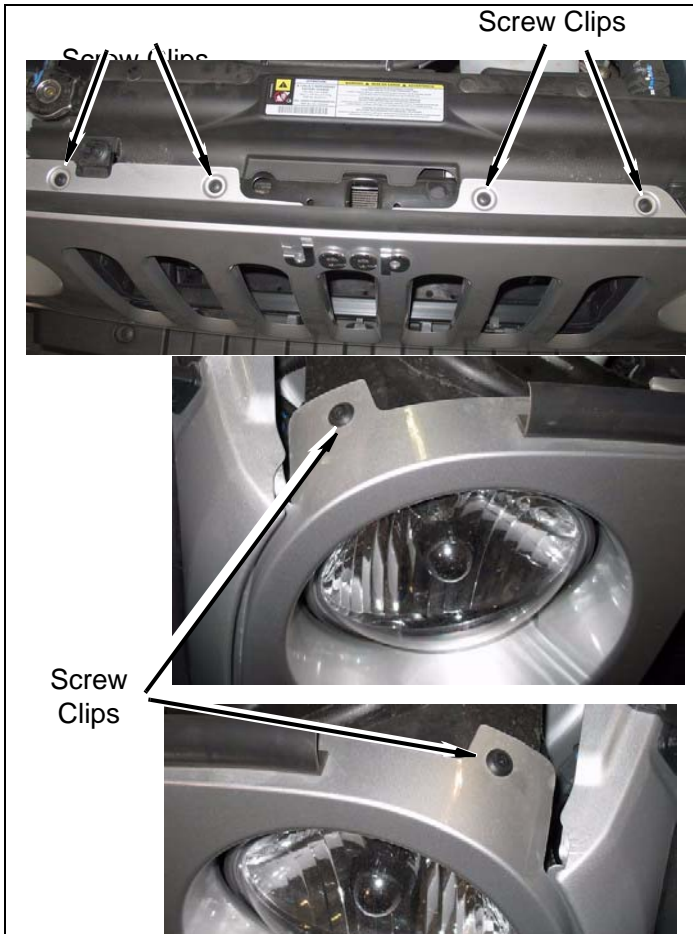
Front of Vehicle

1. Grille

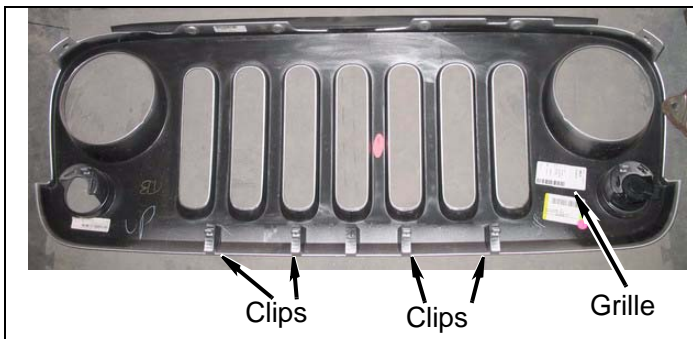
- a. Unplug wire harness from two fog lamps. Slide out red tab and disconnect wire harness.



b. Remove six screw clips along top of grille.



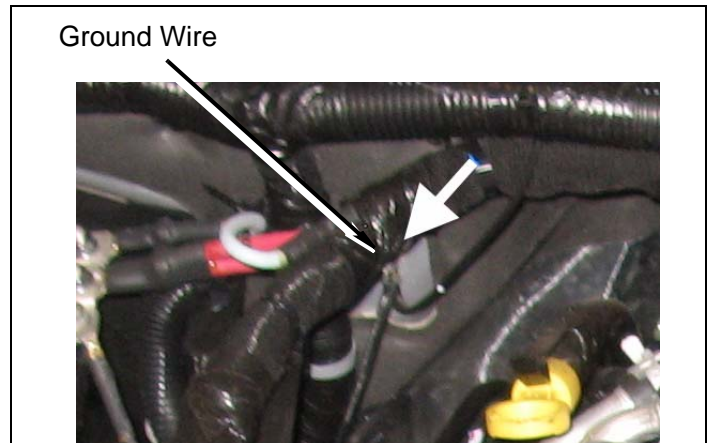
c. Remove grille from vehicle by popping four clips along bottom of grille.



Engine Compartment

1. Ground Wire

2. Remove ground wire on firewall at back of engine.



3. Steering Shaft

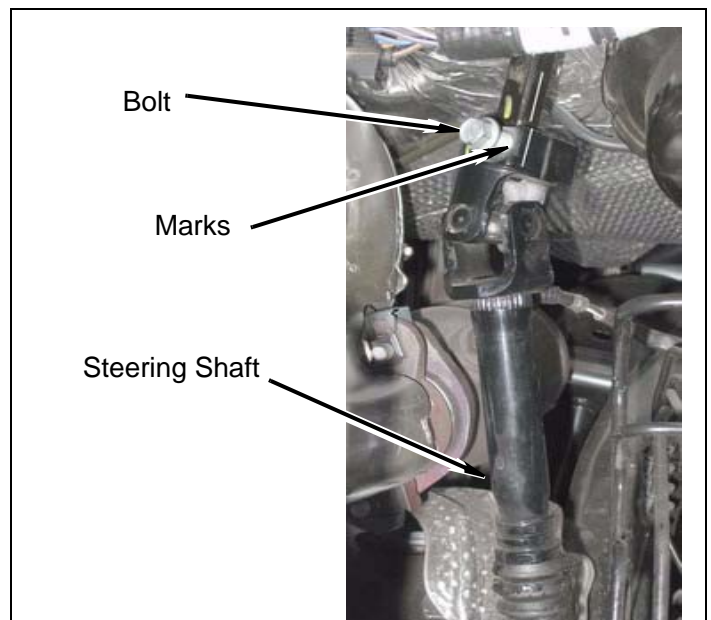
⚠ WARNING

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

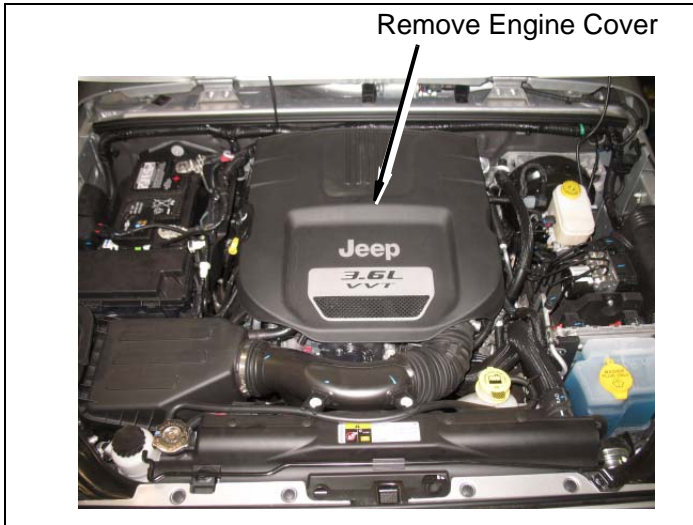
If the following step is not performed, the airbag clockspring could be damaged. Do not turn the steering wheel while the steering shaft is disconnected.

- Strap steering wheel to prevent accidental movement.
- Mark steering shaft u-joint in relation to steering shaft as shown.

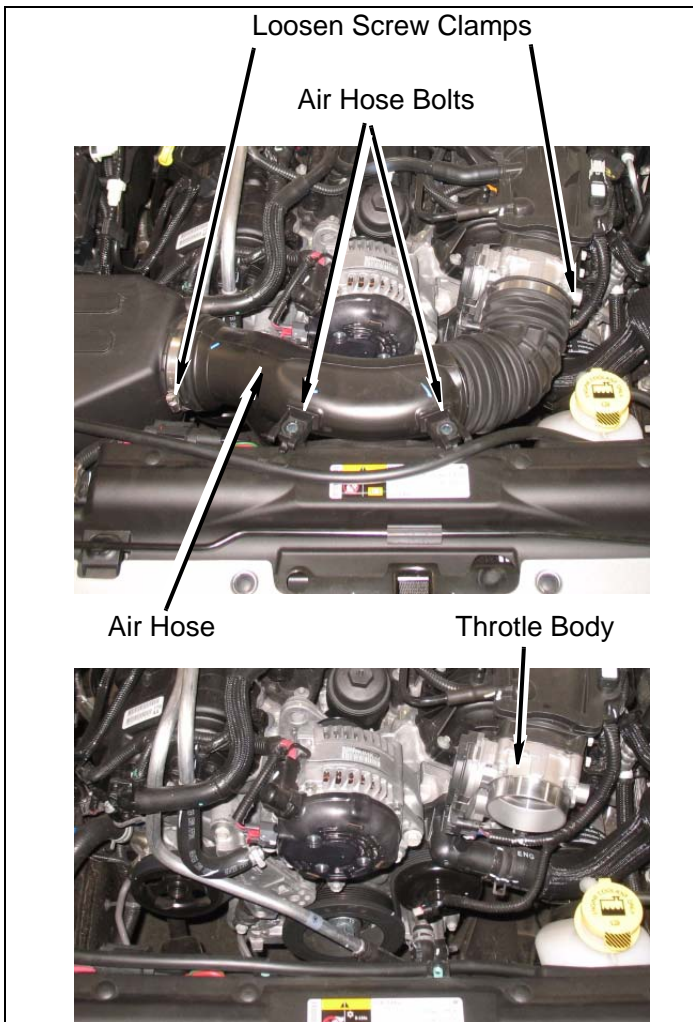


c. Remove bolt and slide u-joint off of steering shaft.

d. Remove engine cover.



e. Remove two air hose bolts and loosen screw clamps from throttle body and air box; then remove air hose from engine bay. .

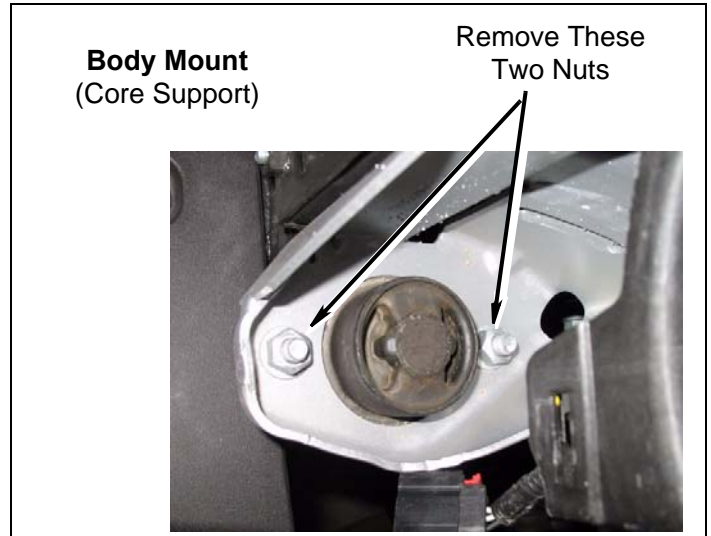


Install Kit

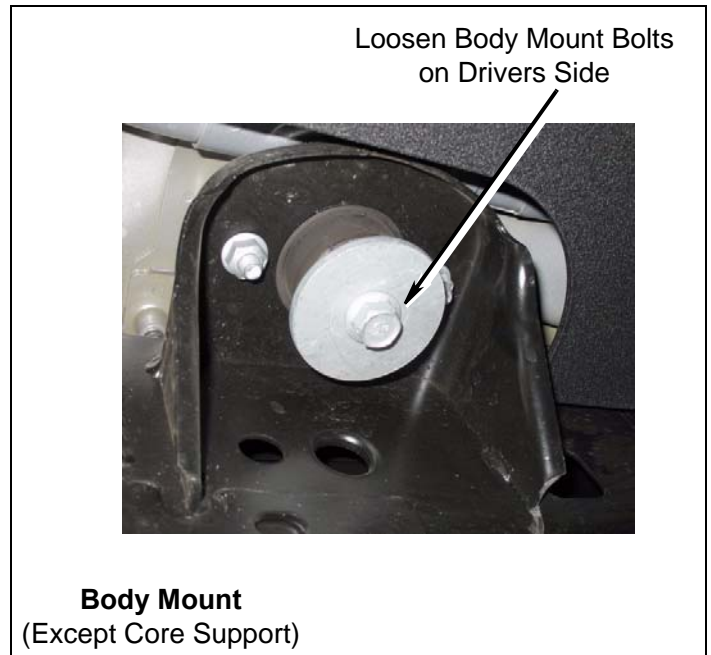
Body

1. Prepare to lift body from frame

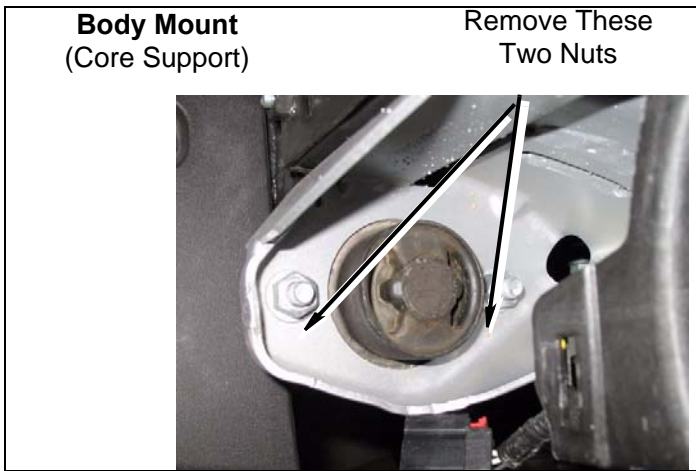
a. Remove two nuts on front core support body mount on driver side.



b. **Driver Side:** Loosen, but DO NOT REMOVE, body mounting bolts. **2 & 4 Door** have four body mount bolts.



- c. Remove two nuts on front core support body mount on passenger side.



- d. **Passenger Side:** Remove bolt and lower bushing from each cab mount on passenger side. **2 Door** - 4 body mount bolts and **4 Door** - 5 body mount bolts.



- e. Remove large washer from factory bolts by supporting large washer and tapping on the bolt.



⚠ 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.

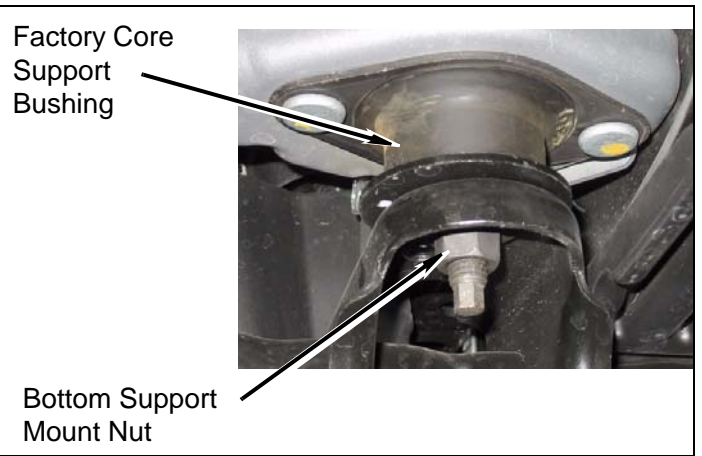
2. Passenger side

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

⚠ WARNING

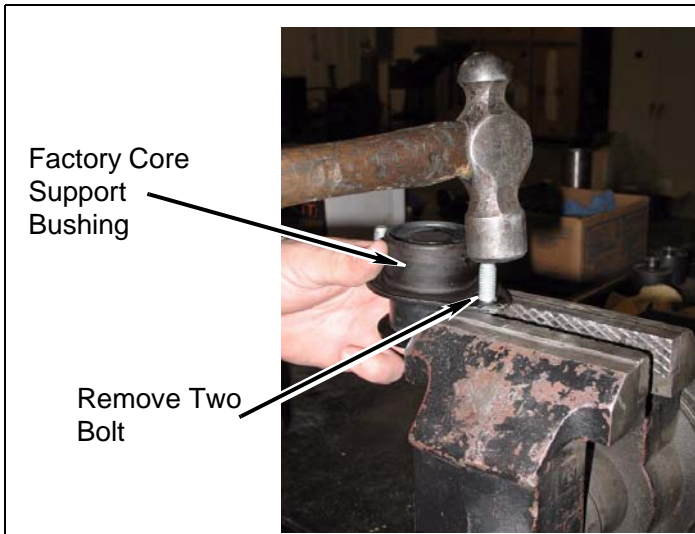
The **kit blocks** must be installed in addition to the factory upper and lower bushings. Installing the **kit blocks** without the factory upper and lower bushings could result in damage to the vehicle or serious personal injury.

- b. Remove bottom nut on front core support mount.

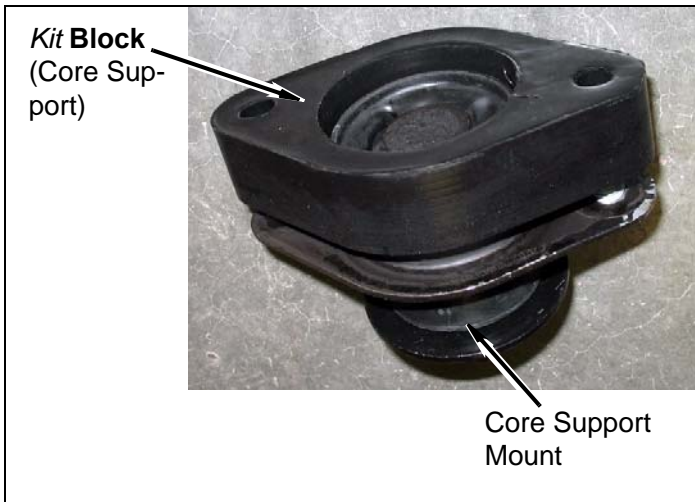


- c. Remove core support bushing from vehicle.

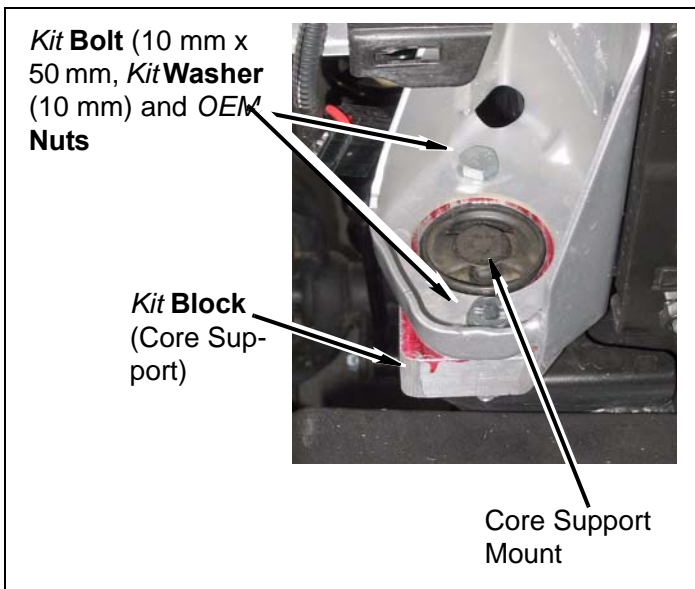
- d. Remove the two bolts from core support mount by tapping on them with a hammer.



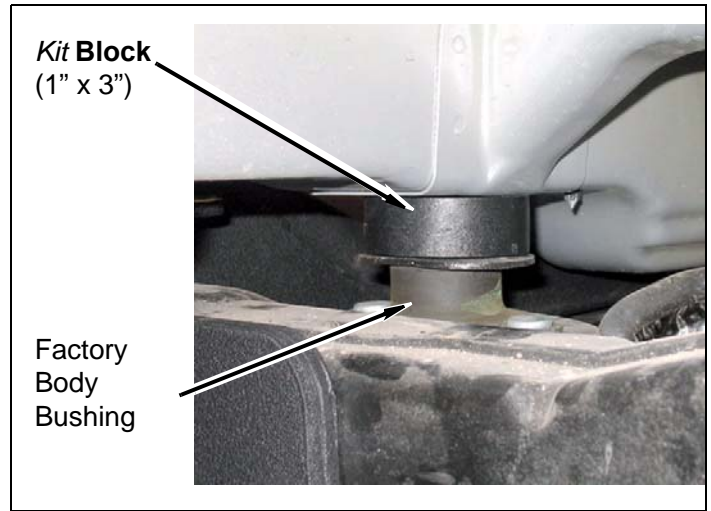
- e. Place *kit block* (core support) on core support mount.



- f. Install four *kit washers* (10 mm), two *kit bolts* (10 mm x 50 mm), two OEM nuts (10 mm) and core support mount on vehicle.



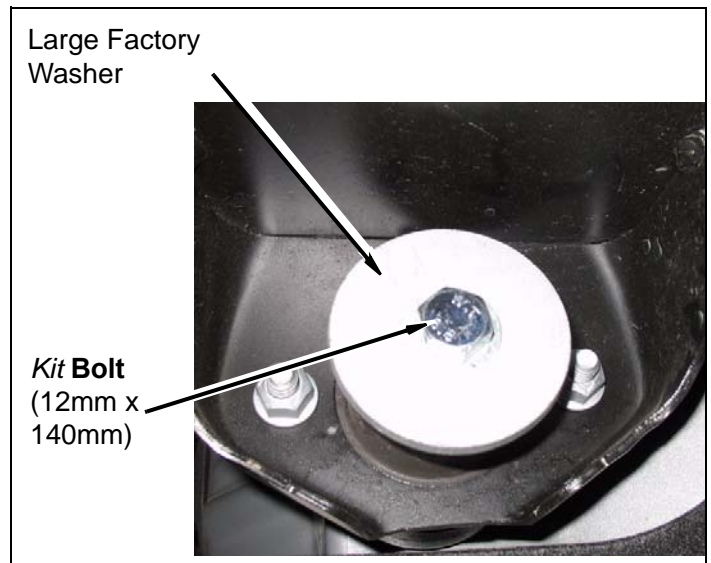
- g. Install *kit blocks* (1" x 3") onto factory body bushings on each body mount.



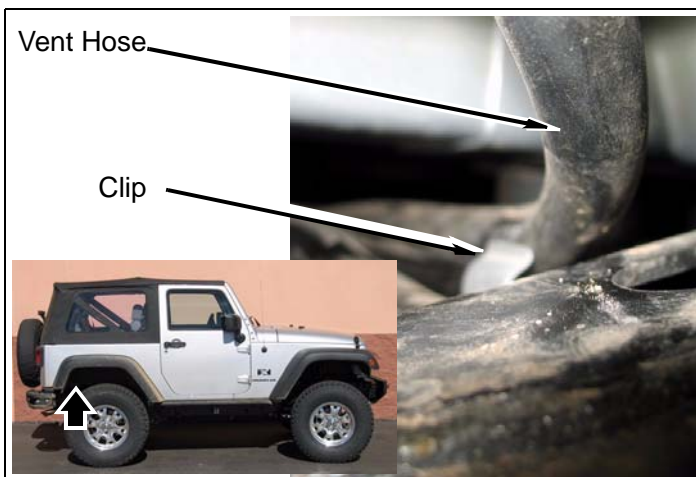
- h. Lower body onto *kit blocks* (1" x 3").

3. Install *kit bolts*.

- a. Install *kit bolt* (12mm-1.75 x 140mm) and factory large washer on each body mount. **DO NOT TIGHTEN.**
- b. Install *kit bolt* (12mm-1.75 x 140mm) all body mounts **EXCEPT** rear most two. Install two *kit bolt* (14mm-2.0 x 140mm) in two rear most body mounts. Use factory large washer on each body mount. **DO NOT TIGHTEN.**

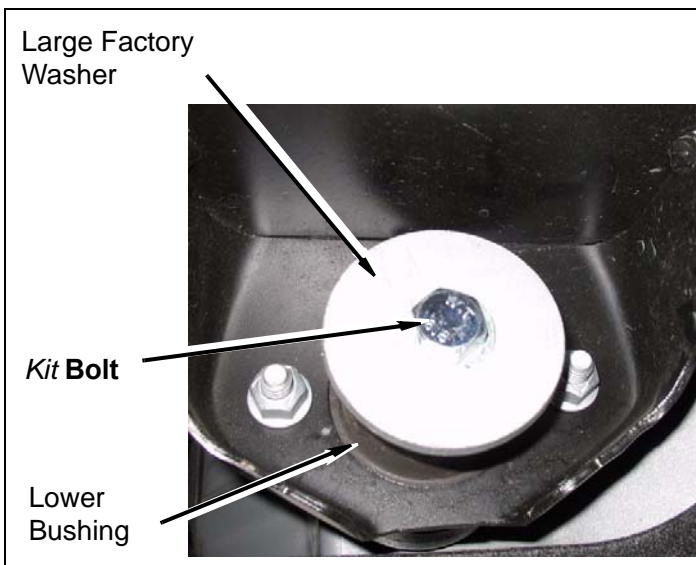


- c. Unclip vent hose on passenger side just in front of last body mount.



4. Cab driver side

- a. Repeat previous steps on driver side of vehicle.
- b. Remove each *kit bolt*, one at a time, and apply a small amount of *kit Loctite*® onto threads. Install *kit bolt*, and lower bushing. **TIGHTEN *kit bolts*.**⁶



Engine Compartment

1. Steering Shaft

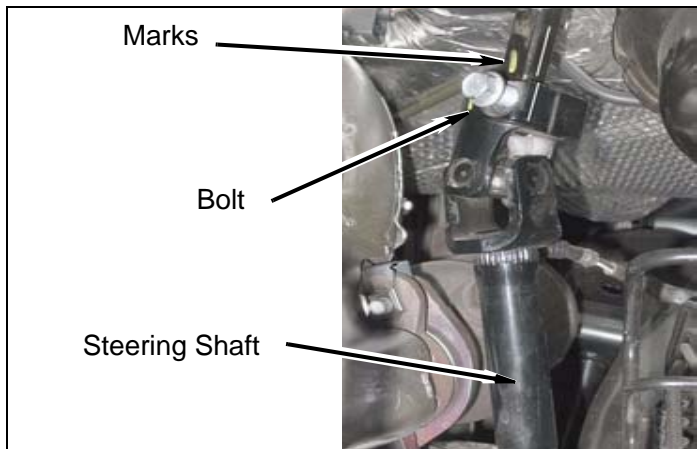
⚠ WARNING

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⚠ CAUTION

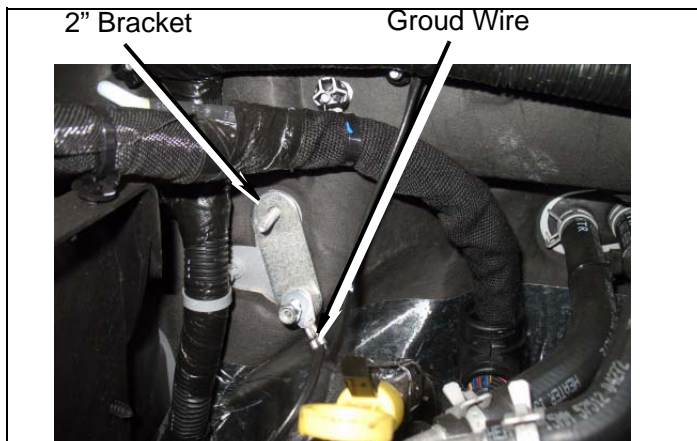
If the following step is not performed, the airbag clockspring could be damaged. Do not turn the steering wheel while the steering shaft is disconnected.

- a. Align steering shaft marks and slide u-joint onto steering shaft.
- b. Reinstall bolt and secure u-joint onto steering shaft.

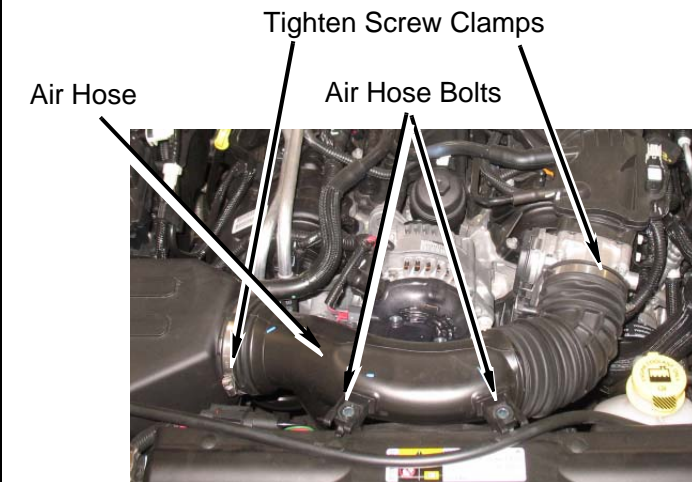


2. Ground Strap Install

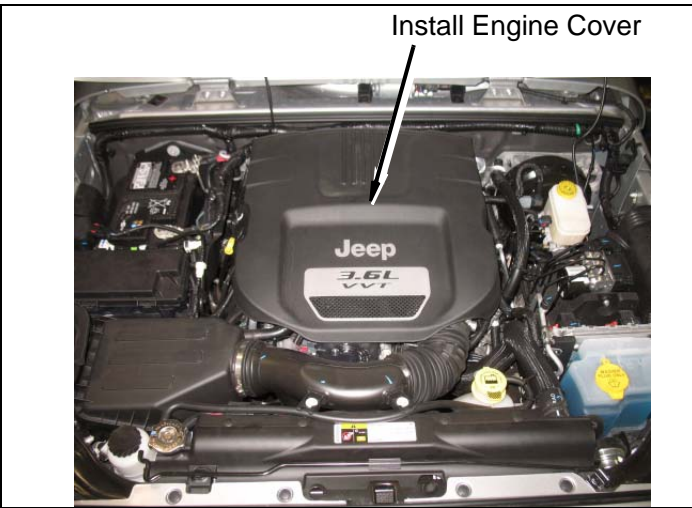
- a. Use *kit bracket*, *nut* (1/4") & *washer* to reattach ground strap to fire wall.



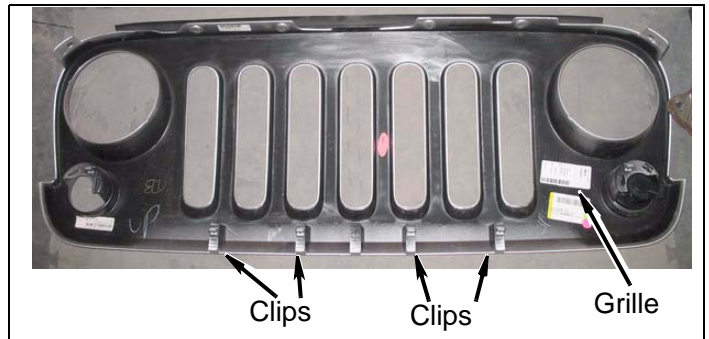
- b. Reinstall air hose into engine bay.
- c. Reinstall two OEM air hose bolts and tighten screw clamps from throttle body and air box. .



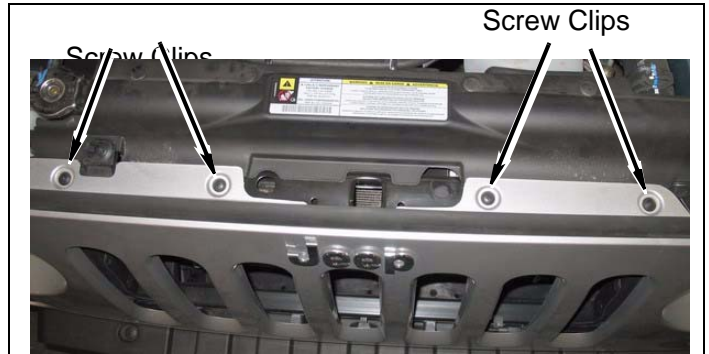
- d. Reinstall engine cover.



- a. Install grille on vehicle by popping four clips along bottom of grille.



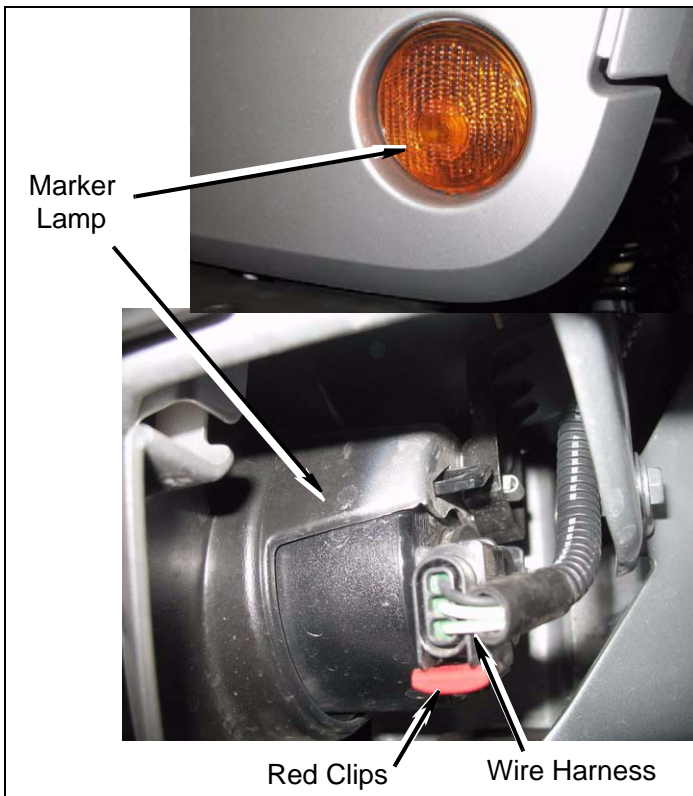
- b. Install six screw clips along top of grille.



Front of Vehicle

1. Grille

- c. Connect wire harness on two fog lamps. Slide in red tab.

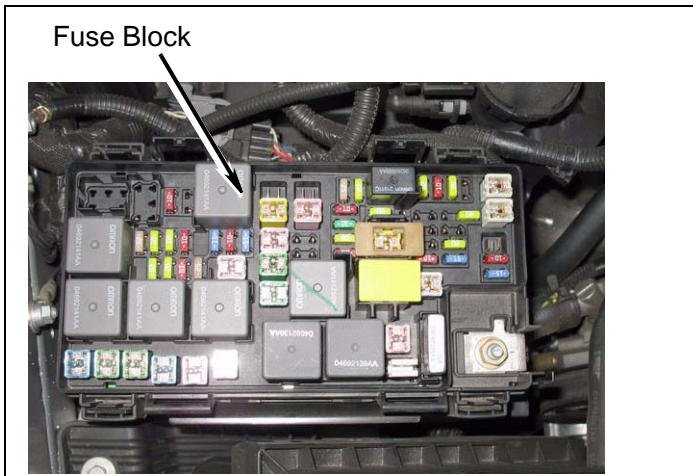


2. Airbag Fuse

NOTE

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

- a. Install airbag fuse

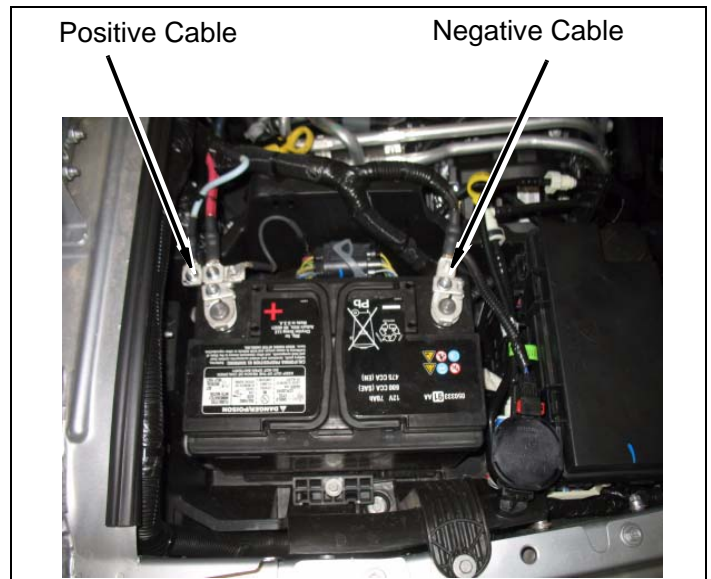


- b. Install airbag fuse cover.

After Completing Installation

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

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.

KIT PARTS LIST**Qty. Description**

8	Block, Body Lift (1" x 3")
2	Spacer, Front Mount
1	<u>993 (Hardware bag kit)</u>
2	Bolt, (14mm x 140mm)
6	Bolt, (12 mm x 140 mm)
4	Bolt, (10 mm x 50 mm)
4	Washer, (10 mm)
1	Bracket, (1" ground strap)
1	Nut, (1/4" nylon)
1	Washer, (1/4" USS)

NOTE

Depending on the vehicle configuration (2 or 4wd, cab length, etc.), some parts may not be used.