



2265 Crosswind Drive • Prescott, AZ 86301
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**CHEVY/GMC TAHOE/SUBURBAN,
YUKON/XL
FRONT & REAR O.E.M. SHOCK
EXTENSION KIT
(FOR USE WITH TM SUSPENSION
KITS & O.E.M. SUPPLIED AUTO-
LEVELING SYSTEMS ONLY)
INSTALLATION INSTRUCTIONS
2000-2006 **KIT# 8220****

⚠ WARNING--VERY IMPORTANT!

Use of this kit with the OEM supplied Auto Ride suspension system will cause the illumination of a warning light on the instrument panel. Use of this kit on a vehicle equipped with Auto Ride may also cause poor and/or unintended vehicle handling possibly resulting in damage to vehicle, loss of vehicle control, property damage, and/or serious personal injury.

⚠ WARNING

These kits are intended for use with designated Trail Master suspension lift kits only. DO NOT attempt to install these kits onto vehicles with any other manufacturer's suspension lift kits. Failure to observe this warning may result in serious personal injury and/or severe damage to your vehicle.

⚠ 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

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. 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 components. Failure to observe this warning may result in serious personal injury and/or severe damage to your vehicle.

⚠ WARNING

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

⚠ 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.

⚠ WARNING

Always wear eye protection when operating power tools.

Before Starting Installation

IMPORTANT!

READ these instructions **BEFORE** INSTALLING TM suspension lift kit. The following procedures are intended to be **COMPLETED ALONG WITH TM SUSPENSION LIFT KIT**.

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.
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) 636-3175.
4. Park vehicle on a clean, dry, flat, level surface and block tires so vehicle cannot roll in either direction.

Torque Specifications

See factory service manual for torque values when re-using OE fasteners.

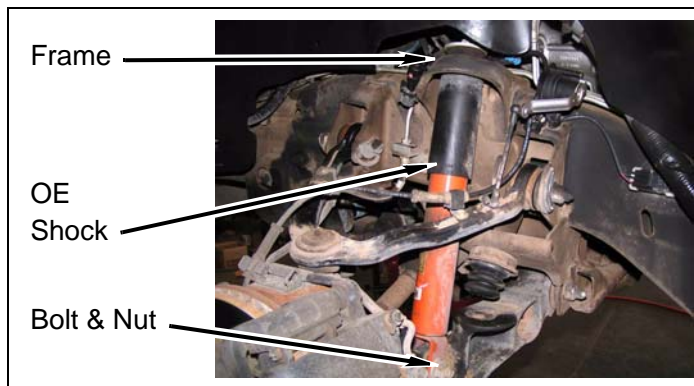
Bolt Size	Grade 5 (ft.-lbs.)	Grade 8 (ft.-lbs.)
1/4"-20	10	10
1/4"-28	10	12.5
5/16"-18	17	22.5
5/16"-24	20	25
3/8"-16	30	40
3/8"-24	35	45
7/16"-14	50	65
7/16"-20	55	70
1/2"-13	75	100
1/2"-20	55	70
9/16"-12	105	135
9/16"-18	115	150
5/8"-11	150	195
5/8"-18	160	210
3/4"-16	175	225

Engine Compartment

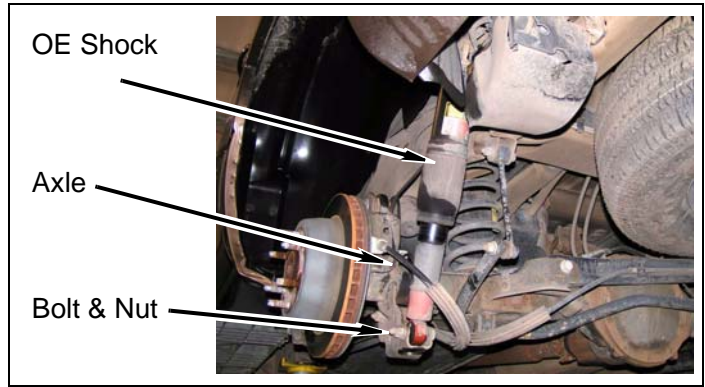
1. Disconnect both battery cables. Disconnect negative cable first, then positive cable.

Prepare to Install Kit

1. Remove two nuts, two bolts, and two front OE shock absorbers from two lower control arms. DO NOT remove OE shock absorbers from frame or disconnect air lines.

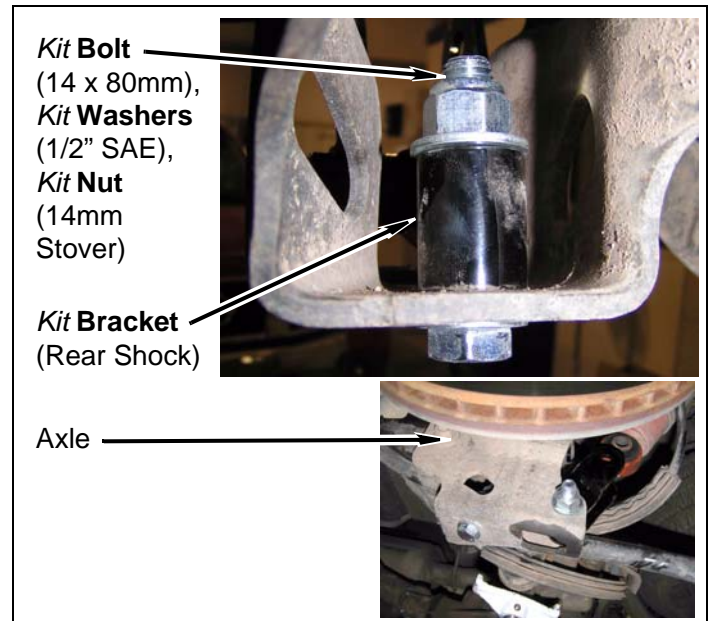


absorbers from frame or disconnect air lines, if equipped.



Install Kit

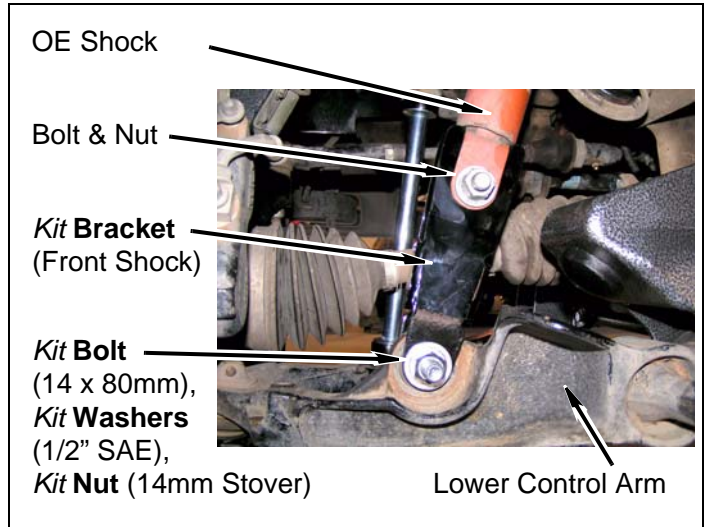
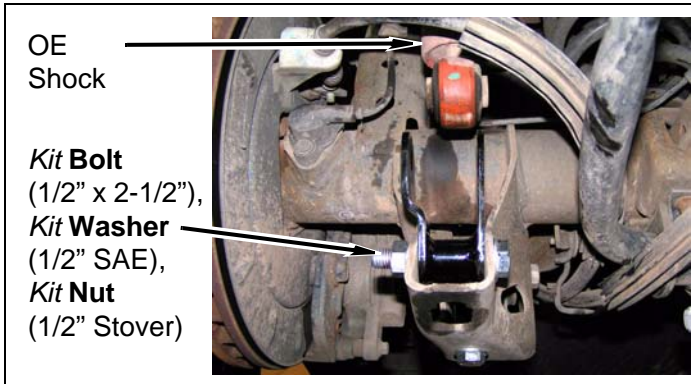
1. Driver side rear shock bracket
 - a. **From 8220BAG:** Install kit **bracket** (rear shock, driver) onto axle with **kit bolt** (14mm x 80mm), two **kit washers** (1/2" SAE), and **kit nut** (14mm stover). DO NOT TIGHTEN.



2. Remove two nuts, two bolts, and two rear OE shock absorbers from axle. DO NOT remove OE shock

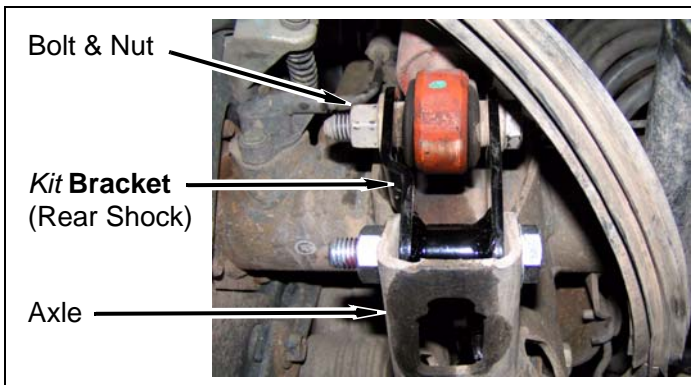
- b. Install **kit bracket** (rear shock, driver) onto axle with **kit bolt** (1/2" x 2-1/2"), two **kit washers** (1/2" SAE), and **kit nut** (1/2" stover). DO NOT TIGHTEN.

- b. **From 8220BAG:** Install **kit bracket** (front shock) onto lower control arm **kit bolt** (14mm x 80mm), two **kit washers** (1/2" SAE), and **kit nut** (14mm stover).



- c. Using hydraulic floor jack, raise or lower rear axle and install driver side OE shock absorber onto **kit bracket** (rear shock, driver) with OE bolt and nut. DO NOT TIGHTEN.

NOTE
 Ensure **kit bolt** (14mm x 80mm) is installed with head facing forward to avoid possible contact with axle.



- c. TIGHTEN all hardware.
- d. Repeat above steps for passenger side front shock bracket.
- 4. Continue installing TM suspension kit following front and rear shock absorber procedures according to instructions provided.

- d. TIGHTEN **kit bolt** (1/2" x 2-1/2")
- e. TIGHTEN **kit bolt** (14mm x 80mm)
- f. TIGHTEN OE bolt and nut.
- g. Repeat above steps for passenger side rear shock bracket.

After Completing Installation

Engine Compartment

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

- 2. Continue installing TM suspension kit following rear shock absorber procedures according to instructions provided.
- 3. Driver side front shock bracket
 - a. Install **kit bracket** (front shock) onto OE shock absorber with OE bolt and nut. DO NOT TIGHTEN.

Miscellaneous

1. Check all fasteners to ensure they are tight.
2. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack.

⚠WARNING

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

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

- 2 **Bracket** (front shock)
- 1 **Bracket** (rear shock, driver)
- 1 **Bracket** (rear shock, passenger)

- 1 **8220BAG (Hardware Bag Kit)**
- 4 **Bolt** (1/2" x 2-1/2")
- 4 **Bolt** (14mm x 80mm)
- 4 **Nut** (1/2" stover)
- 4 **Nut** (14mm stover)
- 12 **Washer** (1/2" SAE)

Bracket (Front Shock)



Bracket (Rear Shock, Passenger)



Bracket (Rear Shock, Driver)