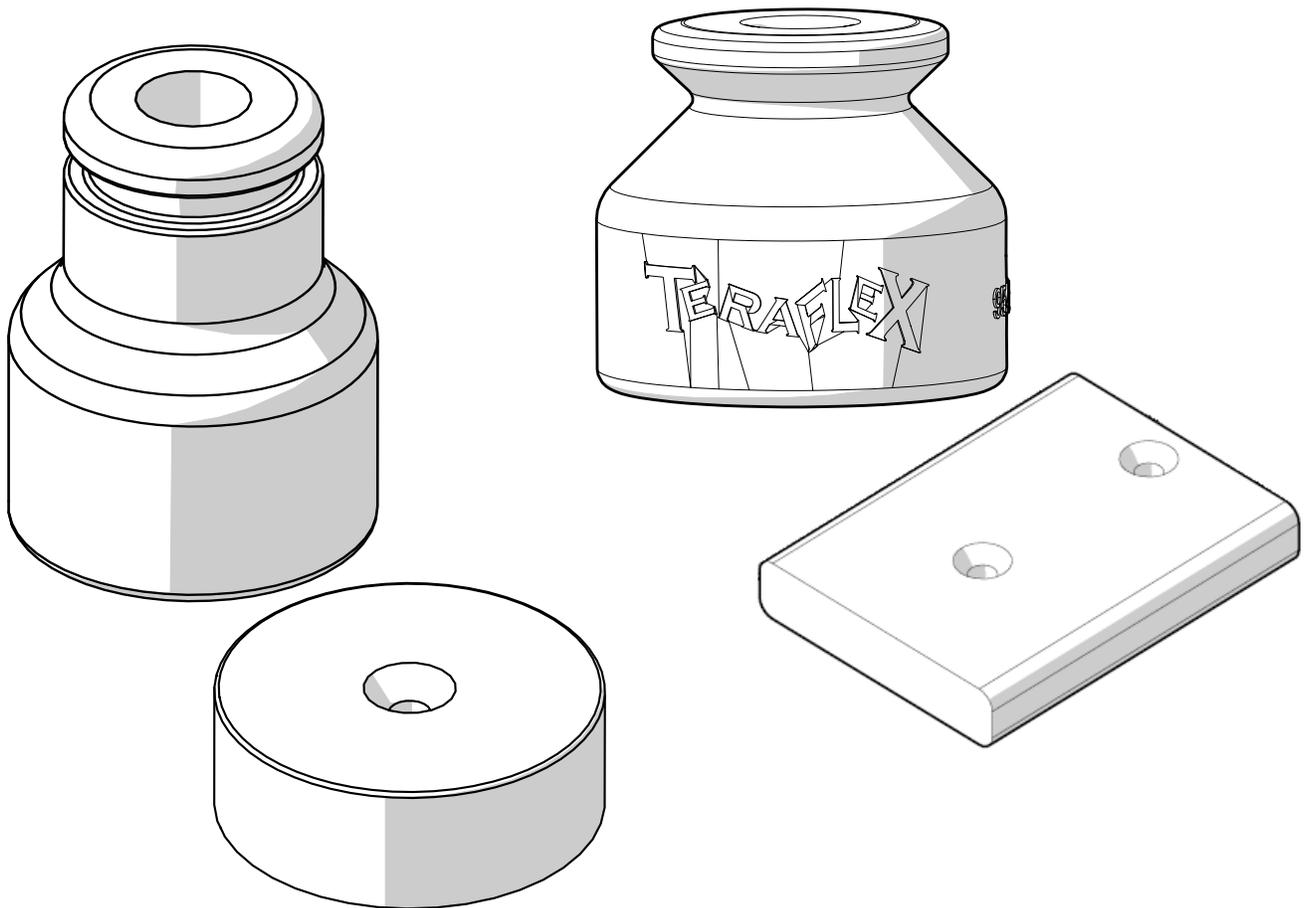




JK 4" Front and Rear Bumpstop Extension Kit

www.teraflex.com

#1954625 JK 4" Bump Stop Extension Kit (Front / Rear)



Important Notes:

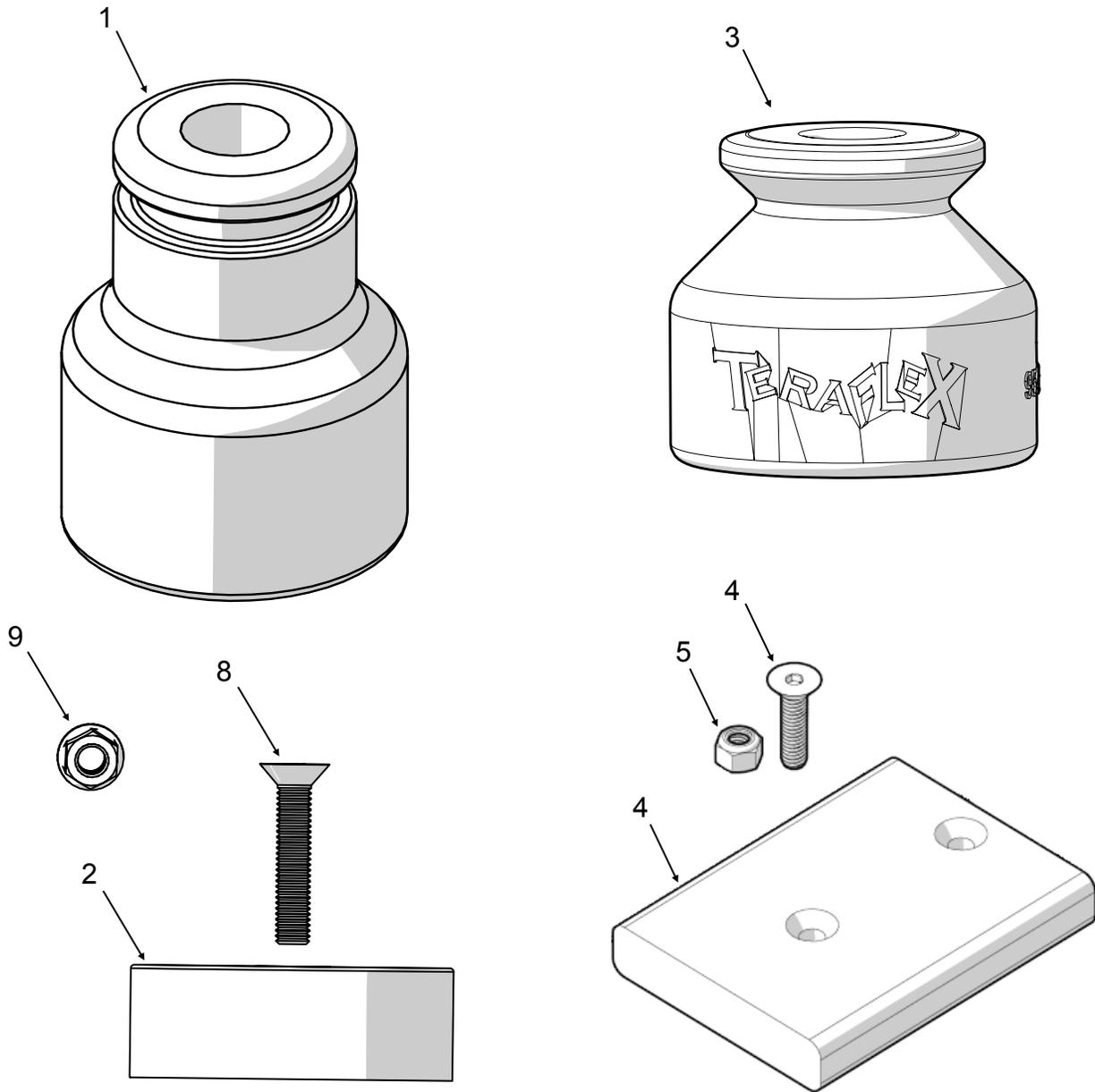
Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local TeraFlex dealer for assistance.

The 4" Suspension Systems (Alpine CT4, Prerunner, 4" System with 8 Alpine Flexarms and Track Bar, and 4" Base Lift Kit) come with an addition of 2 Front (467125) and 6 Rear (954600) Lower Bumpstop Pads. For these 4" lift kits make sure to follow the noted steps outlined in these instructions for installation.

Tools needed:

- Basic mechanics tool set
- Allen Wrench - 3/16"
- Combination End Wrench - 1/2"



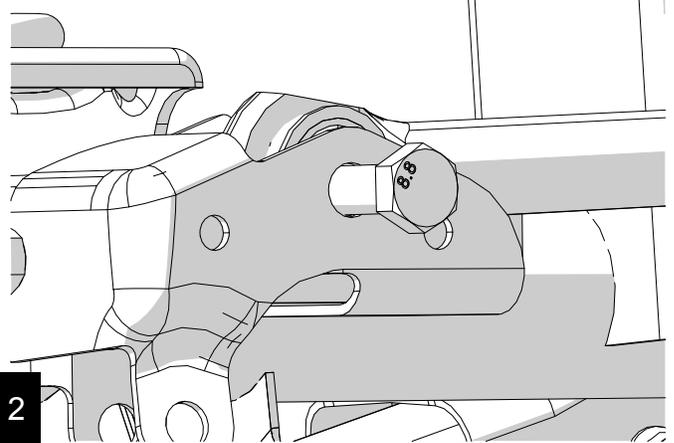
1954625 Bill of Material			
Item #	Part Number	Description	QTY
1	953800	JK Front Upper Bumpstop Extension 2.75"	2
2	467125	Bumpstop JK Front 1.25" Tall x 3.5" OD	2
3	954802	JK Rear Upper Bumpstop Extension 2"	2
4	954600	JK Rear Lower 3/4" Tall Bumpstop Space	2
5	179	Bolt 5/16"-18 UNC x 1.25" Long Flat Head Socket Cap Screw	4
6	630	Nut 5/16"-18 UNC Nylock Zinc Plated	4
8	315	Bolt 3/8"-16x2" Flat Head Socket Cap	2
9	85	Nut 3/8"-16 Flanged Serrated	2

Refer to the factory service manual for safe lift locations. Raise and support the vehicle. Remove the tires and wheels and support the front axle with a jack or jack stands.

1

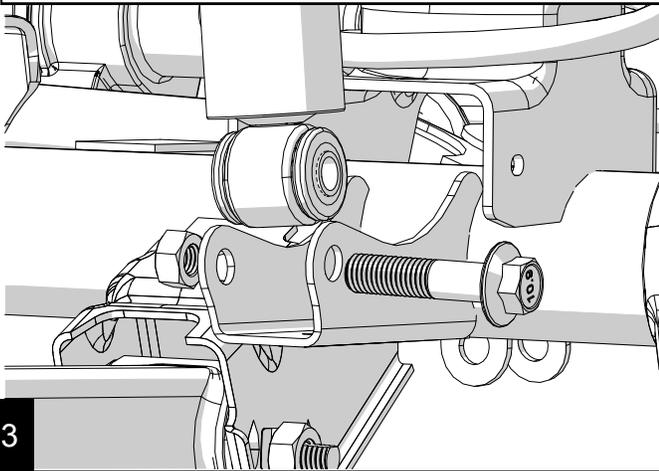
FRONT SPING REMOVAL

Remove the front track bar *at the axle* with a 21mm.



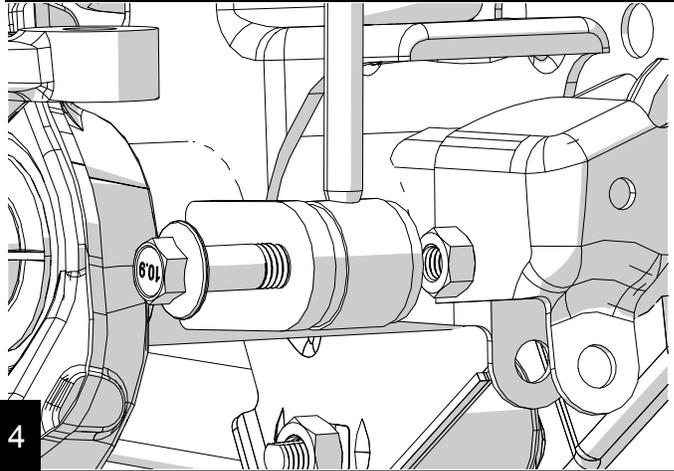
2

Remove the shocks *at the axle* with an 18mm.



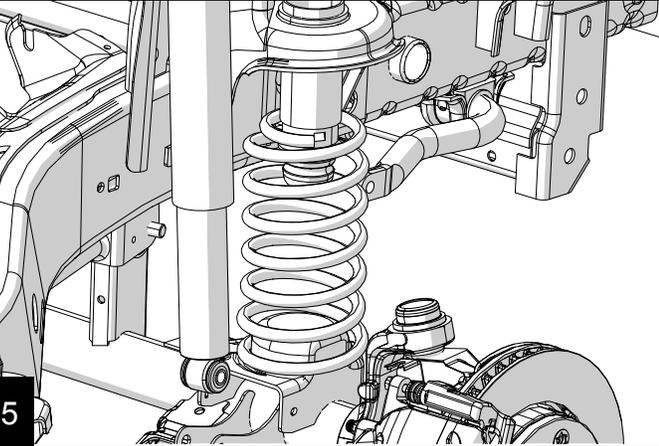
3

Remove the swaybar links *at the axle* with an 18mm.



4

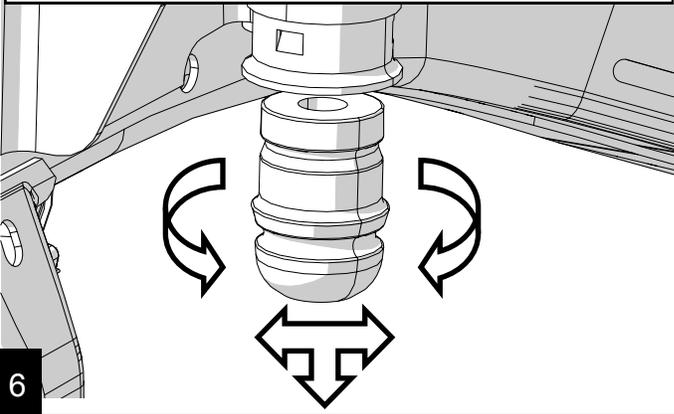
Lower the axle and remove the springs. **Be sure to check for any lines that can be pulled or damaged.**



5

REMOVE FRONT FACTORY BUMP STOPS

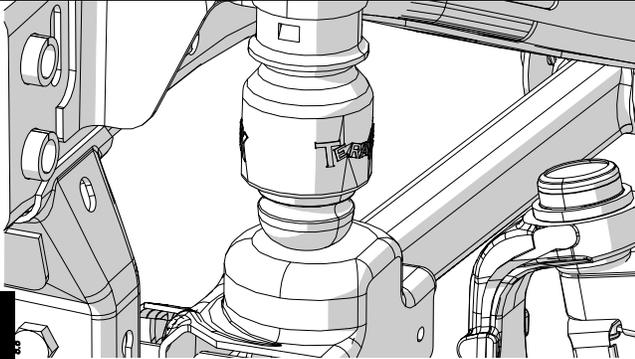
Remove the factory bumpstop from the jounce tube by working it back and forth while twisting and pulling to the sides.



6

FRONT UPPER INSTALLATION

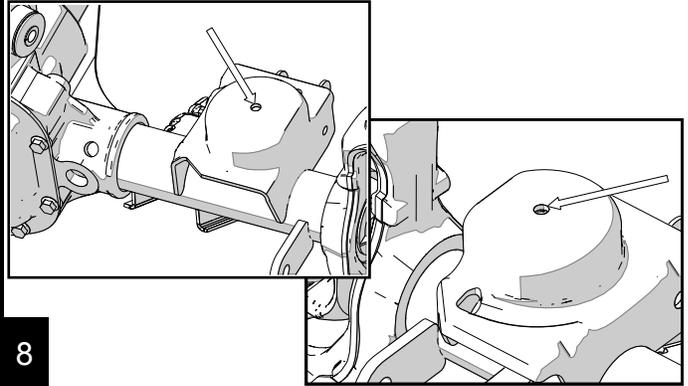
Install the bumpstop and extension by aligning the bumpstop, extension, and jounce tube. Use the hydraulic jack and raise the axle until they are seated together. A grease coating will help.



7

FRONT LOWER SPEEDBUMP BUMPSTOPS

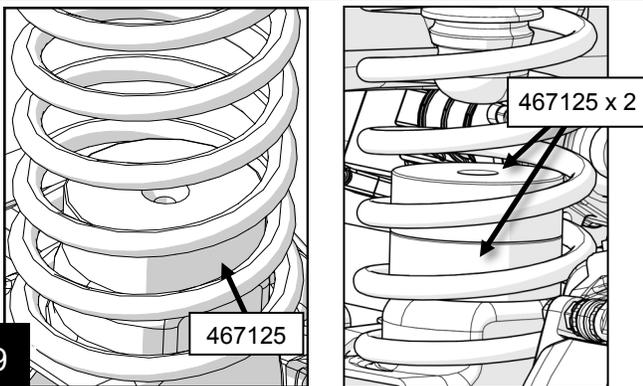
Locate the center of the front axle driver and passenger side spring pads and drill a 3/8" [9.5mm] hole in the center of the pad.



8

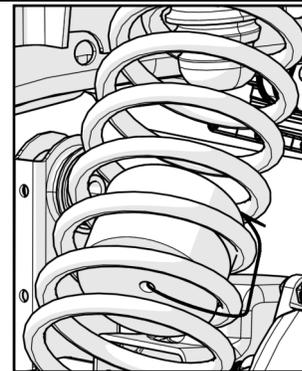
Reinstall the springs and the 467125 Speedbump Bumpstop at the same time so the spring is easier to install.

NOTE: For the 4" lift kits install the additional Speedbump Bump Stop provided in kit that came with your springs.



9

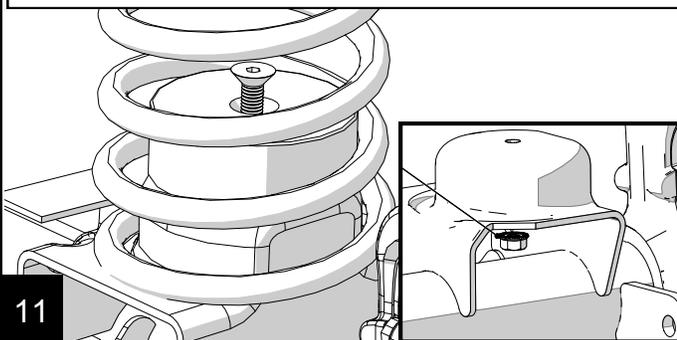
TIP: To help install the 467125 Speedbump Bumpstops along with the spring, use a long zip tie or wire to secure the bump stops inside the spring. Once the spring is in place, cut the zip tie or wire to release the bump stops once spring is in place.



10

Install the #315 3/8" x 2" bolt through the bump stop and the #85 3/8" nut under the spring pad. Tighten bolt.

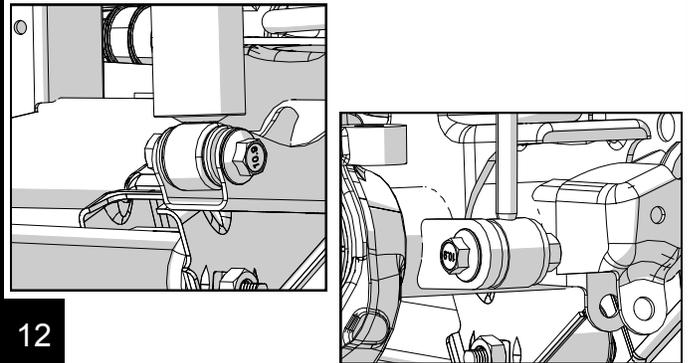
NOTE: For the 4" lift kits install the longer #3151 3/8" x 3" bolt provided in the hardware kit that came with your springs.



11

Reinstall the shocks, if not replacing shocks, or install the new shocks (Refer to instruction that came with your shocks).

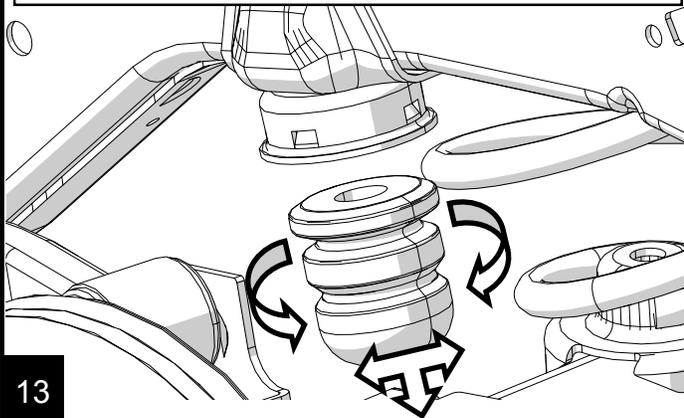
Torque lower bolts to 56 ft-lbs.
Reinstall the swaybar links to the axle.
Torque to 75 ft-lbs.



12

REMOVE REAR FACTORY BUMP STOPS

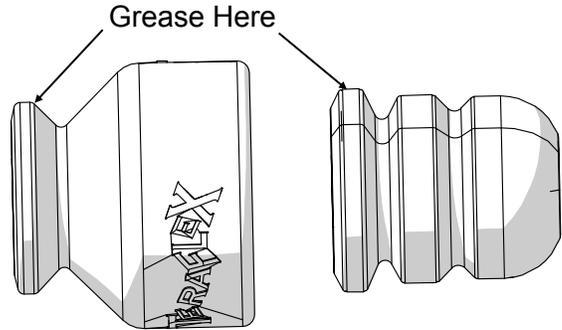
Remove the factory bumpstop from the cup on the frame by working it back and forth while twisting and pulling to the side.



13

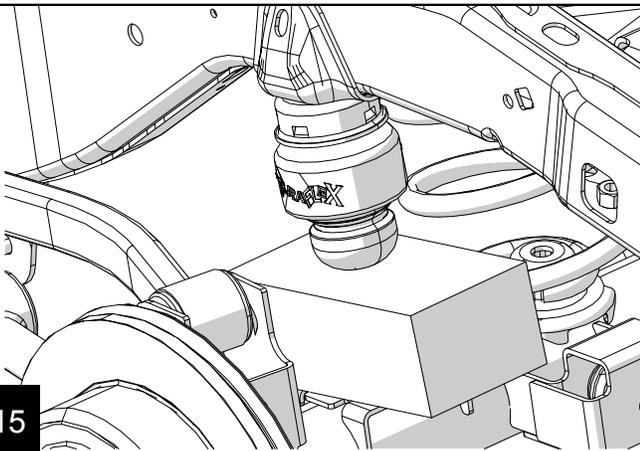
REAR UPPER INSTALL

Apply grease to the bumpstop and the extension.



14

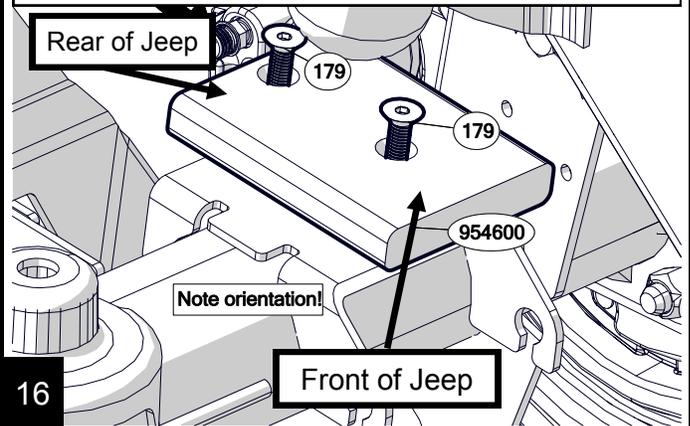
Align the bumpstop, extension and frame cup. Place a block between the frame and the axle bump pad. Raise the axle with a jack until the bumpstop and extension seat.



15

REAR LOWER INSTALL

Locate the rear lower bumpstop pad (954600) and position pad with the extended end facing the front of the Jeep.



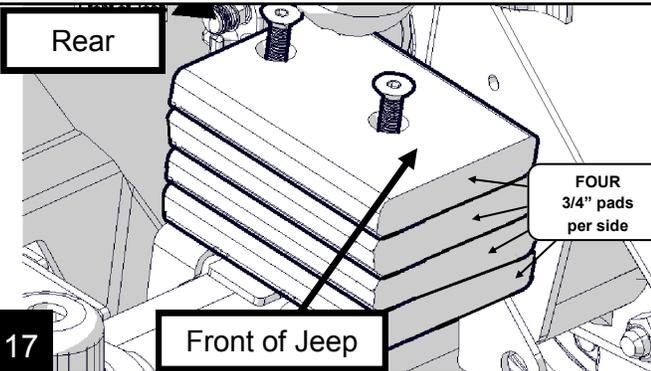
16

NOTE: For the 4" lift kits locate the 6 rear lower bumpstop pads (954600) that came with your spring box and the other 2 that came with this Bump Stop kit (8 total). Position 4 pads (per side) with the extended side facing the front of the Jeep, as shown.

Each side will receive two (179) bolts and two (630) nylock nuts. Finish up the installation by torquing each of the 4 bolts to 7 ft-lbs (9.5 Nm).

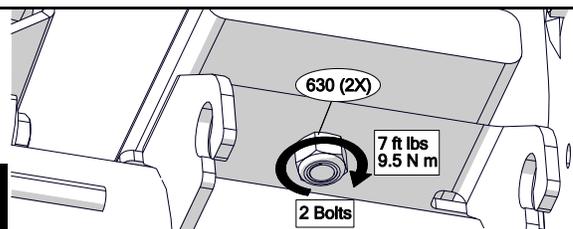
NOTE: For the 4" lift kits install the longer #1000 5/16" x 3.5" bolts provided in the hardware kit that came with your springs. A set of 5/16" x 2.75" bolts have also been provided in the spring hardware for those wanting to do 3 pads per side instead the 4. It is best to start with 4 per side first and then fine tune from there by cycling the suspension.

Rear



17

Front of Jeep

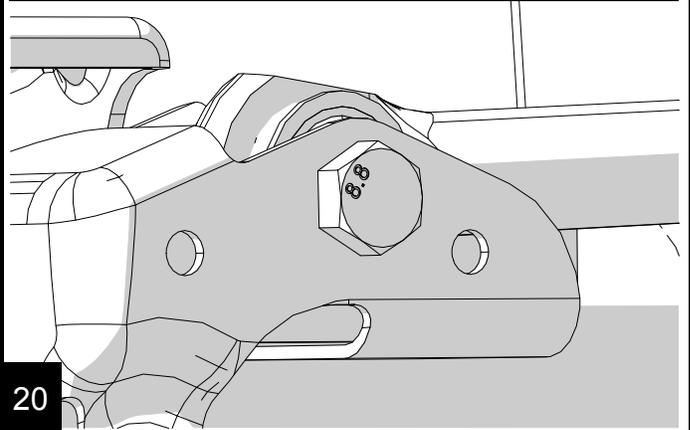
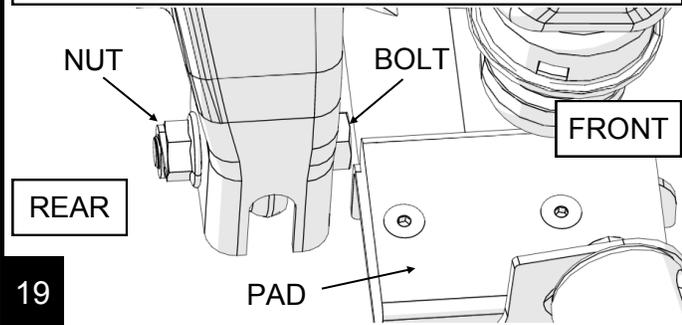


18

IMPORTANT NOTE!

Due to clearance issues with the bumpstop pad on the axle it is important to have the frame side factory trackbar bolt installed from the front, and the nut to the rear.

Refer back to the lift instructions now or reinstall the tires, remove supports and lower Jeep to the ground. Reinstall the front trackbar and torque to 125 ft-lbs.



PRODUCT INFORMATION

MAINTENANCE INFORMATION:

It is the buyer's responsibility to have all suspension, drivetrain, steering, and other components checked for proper tightness and torque after the first 100 miles and every 3000 miles after that.

NOTICE TO INSTALLER:

The enclosed "Warning to Driver" sticker must be installed in the vehicle in driver's view. This sticker is to act as a constant safety reminder when operating the vehicle. It is your responsibility as the equipment installer to install the provided sticker and to forward the product instructions to the vehicle's owner for review. If a "Warning to Driver" sticker or product installation guide were not included in the kit, FREE replacement stickers and instructions are available by request. It is the installer's duty to ensure a safe and controllable vehicle after the modifications have been performed.

WARNING:

Neither the seller nor the manufacturer will be liable for any loss, damage, or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the products for its intended use, and the user shall assume all responsibility and risk in connection therewith.

WARNING TO DRIVER:

This vehicle has been modified to enhance off road performance and has unique handling characteristics. Use in harsh environments can cause extreme stress on the components. Vehicle should be inspected after being off road to make sure that all the components are in working order and safe to travel on the highway. All fasteners should be checked so that they are at the correct torque specifications as the vibration and stresses from off roading may cause critical fasteners to work loose. Extra care should be taken to inspect the critical components, steering, and brake systems. During each oil change components such as arms, tie rod ends, etc should be greased and checked for excessive wear. Any worn components should be replaced. When returning to the pavement always set or restore tire air pressure to the factory recommendation and connect or engage any disabled sway bar mechanisms. Because of the higher center of gravity and larger tires, this vehicle handles and reacts differently than many passenger cars, both on and off road. You must drive it safely! Extreme care should be taken to prevent vehicle rollover or loss of control, which can result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers. Generally, braking performance and capabilities are decreased when significantly larger/heavier tires are used, especially when used in combination with transfer case low-range reduction kits. Take this into consideration while driving. Do not add, alter or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the TeraFlex product purchased. Mixing component brand is not recommended. TeraFlex Inc. will not be responsible for any altered product or any improper installation or use of our products. We will be happy to answer any questions concerning the design, function, and correct use of our products. It is ultimately the buyer's responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 3000 miles. Wheel alignment, steering system, suspension and drive line systems must be inspected by a qualified professional mechanic at least every 3000 miles.

TERAFLEX PRODUCT WARRANTY:

TeraFlex Inc. warrants TeraFlex Suspension products to the original retail purchaser to be free of defects in material and workmanship for as long as the original purchaser owns the vehicle on which products were originally installed.

Failure to complete regular maintenance (grease every 3000 miles) on TeraFlex FlexArms will void this warranty. All other conditions of the standard TeraFlex product warranty apply.

All TeraLow products are covered by the TeraFlex two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

TeraFlex axles are covered by a 12-month warranty to be free of defects in materials and workmanship.

This warranty does not cover or include product finish, improperly installed or applied products, improperly maintained products, products or components used for racing or competition or damage due to abuse or neglect, products that fail due to the use of larger tire and wheel combinations.

All returns must be accompanied by an original invoice. It is the customer's responsibility to remove the product from the vehicle. Shipping charges are the responsibility of the customer. TeraFlex Inc. will pay the return freight if the product meets the terms of warranty.

This warranty is for the replacement or repair of defective TeraFlex products only and does not include freight charges, labor charges for removal of or installation of TeraFlex or related products or components, costs incurred due to down time of the vehicle, or lost profits due to vehicle down time.

A returned goods authorization number (RGA#) must accompany any returned products. For more information please contact a TeraFlex customer service representative.

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