



# JK Spring Spacers

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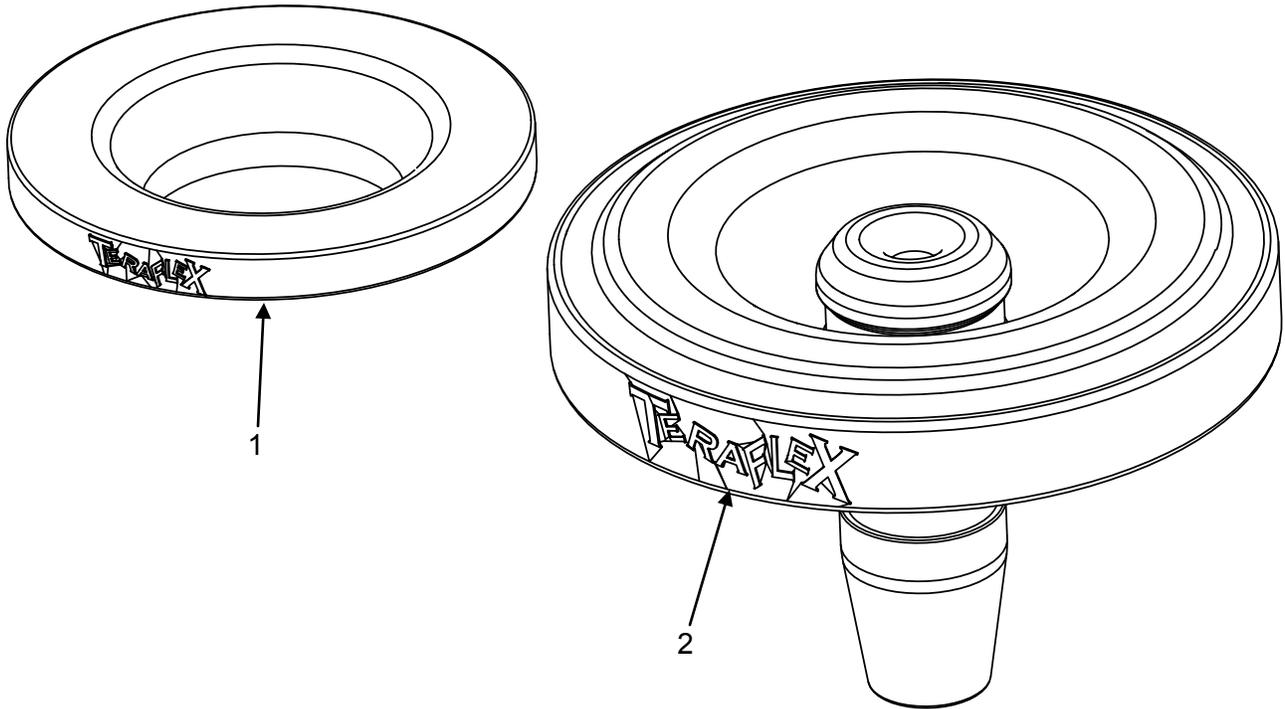
## Important Notes:

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.

## Tools needed:

- This installation guide
- Basic mechanics tool set

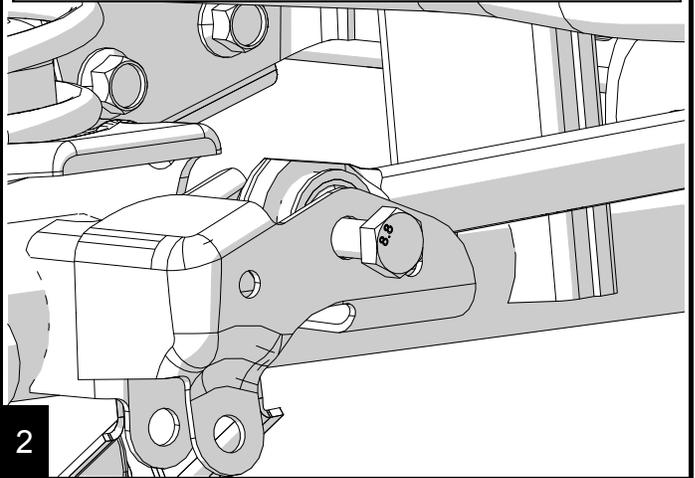


Parts List			
Item Number	Part Number	Description	Quantity
1	1953100	1/2" Front Spring Spacer	1
	1953075	1" Front Spring Spacer	
	1953200	2.5" Front Spring Spacer	
2	1954105	1/2" Rear Spring Spacer	
	1954100	1" Rear Spring Spacer	
	1954200	2" Rear Spring Spacer	
	1954205	2.5" Rear Spring Spacer	

### FRONT INSTALL

Raise and support the vehicle by the frame so the axles can droop. Remove the wheels and tires. See the factory service manual for safe support locations.

Support the front axle and disconnect the track bar at the axle with a 21mm.

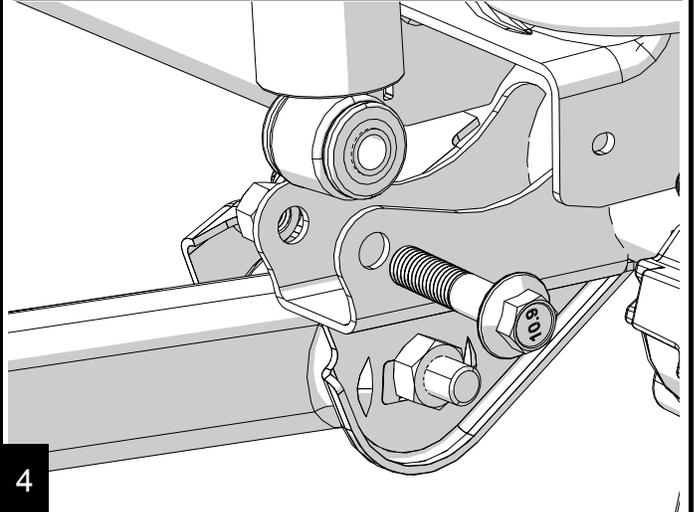
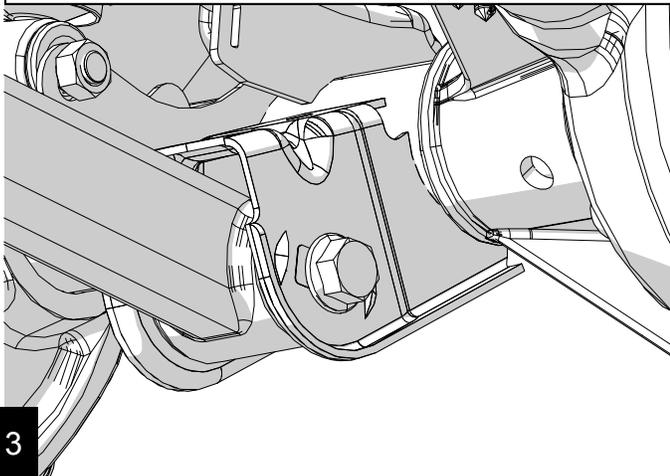


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Loosen all control arm bolts with a 21mm and an 18mm. DO NOT REMOVE ARMS OR BOLTS.

Disconnect the shocks at the axle with an 18mm.

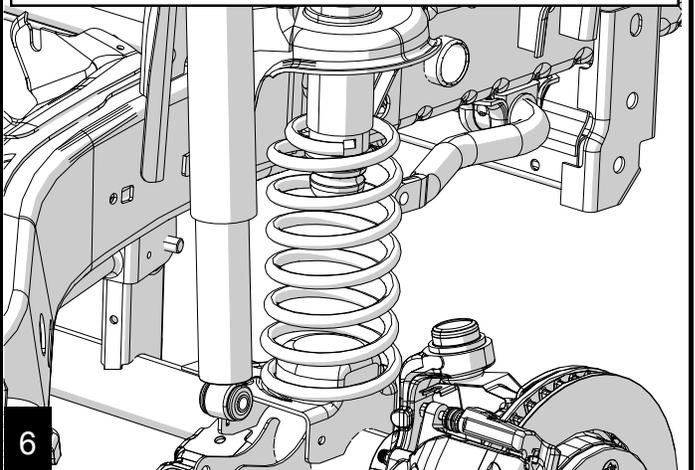


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Remove the brake line from the axle side brackets by prying them open. Remove the bracket with a 10mm. Lower the axle until the springs can be removed. Do not overstretch the ABS and breather lines.

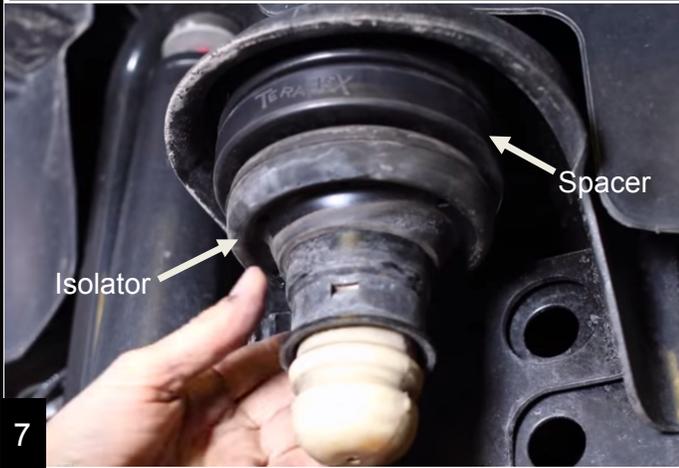
Remove the spring and the spring isolator. Some applications require disconnecting the sway bar links.



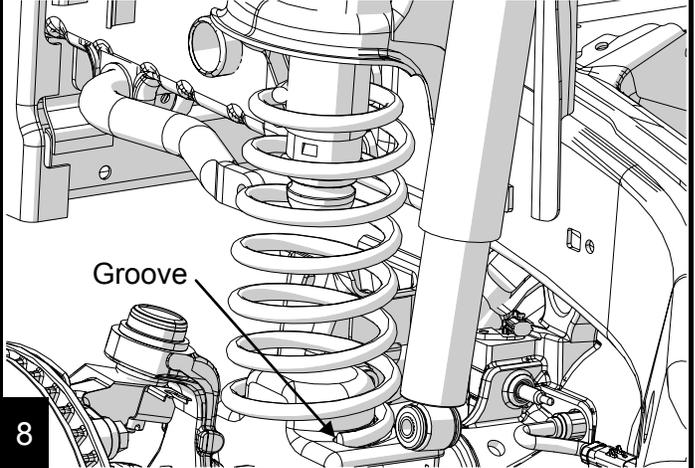
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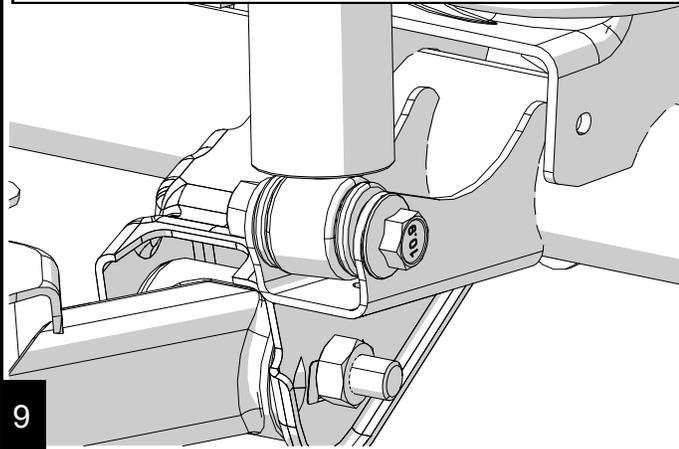
Slide the spacer, then the isolator up the jounce tube, spacer first with the flare facing down.



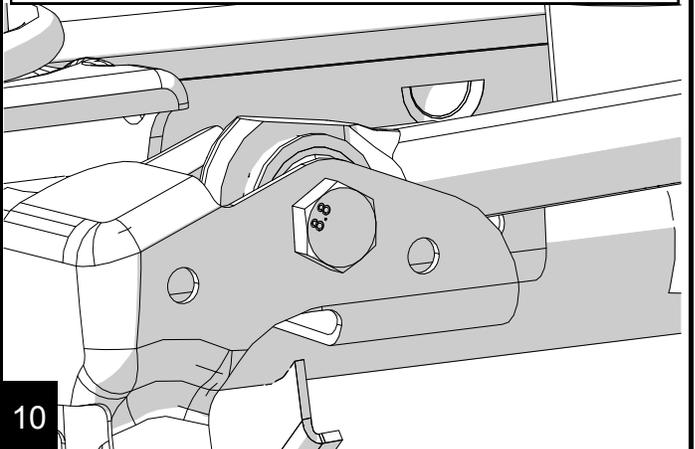
Reinstall the spring. Be sure to seat the bottom of the spring into the groove in the spring pad.



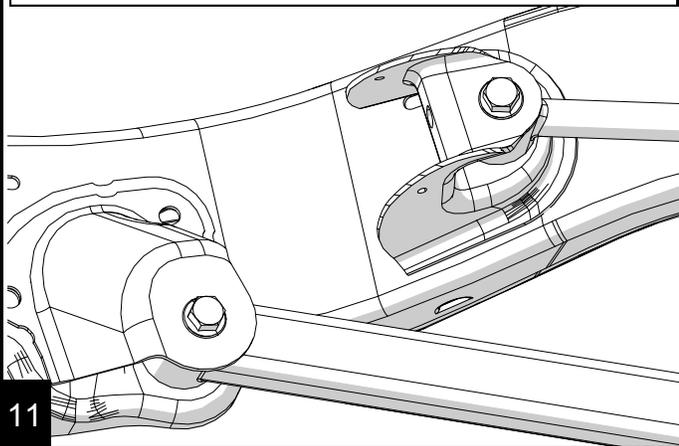
Reconnect the shocks with an 18mm. Torque to 56 ft-lbs (76 Nm). If installing on a lift, proceed to rear step 1 and install the rear spacers.



Reconnect the track bar once the vehicle is on the ground. Torque bolt to 125 ft-lbs (170 Nm) Torque wheel lug nuts to 95-115 ft-lbs (129-155 Nm).



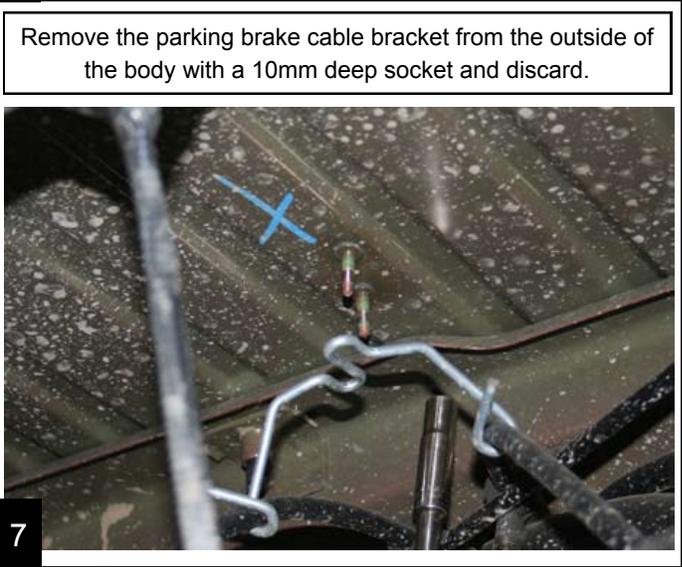
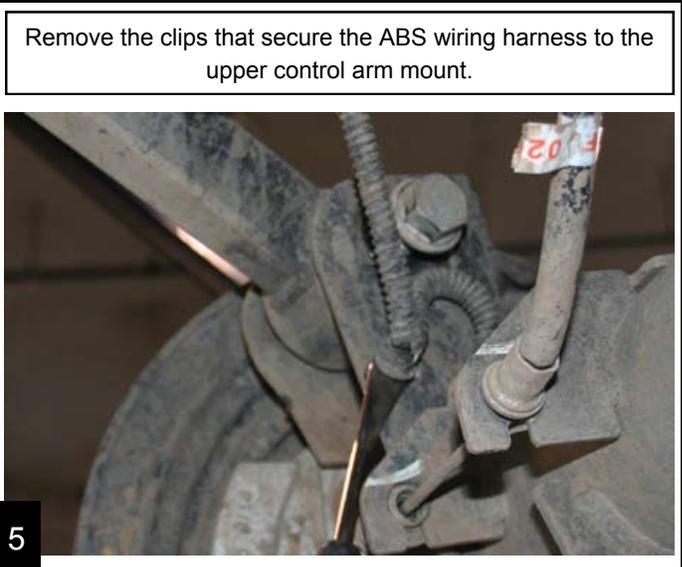
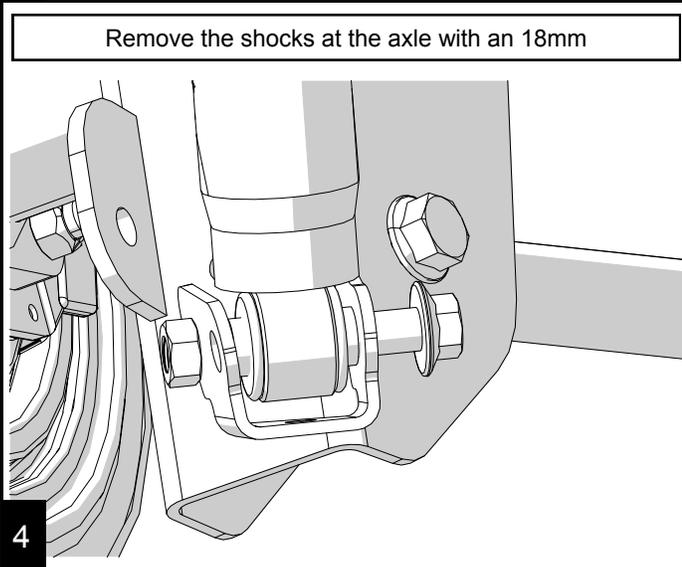
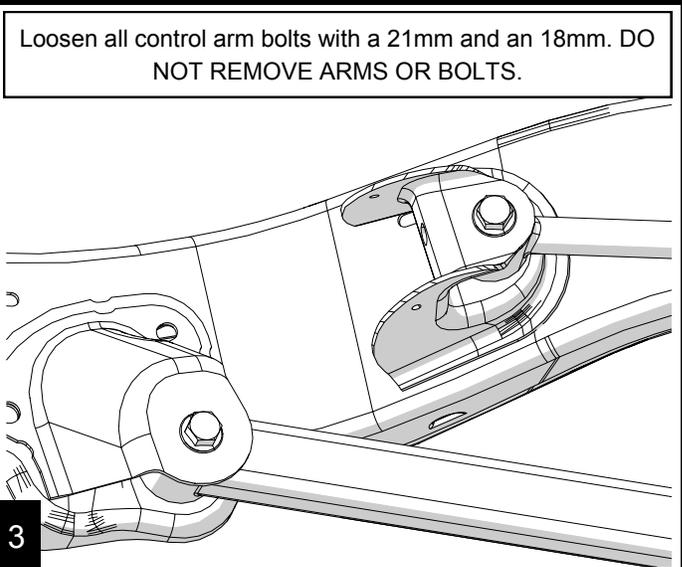
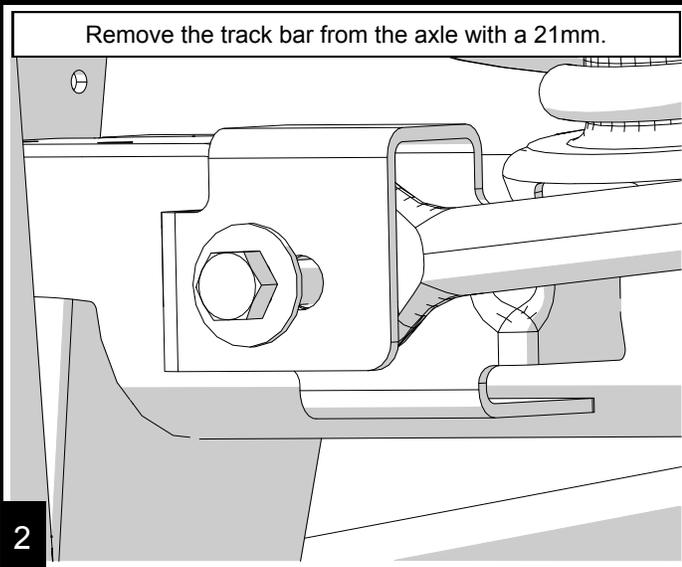
With the jeep on the ground at ride height, torque the upper control arms to 75ft-lbs (102 Nm), the lower control arms to 117 ft-lbs (159 Nm) at the axle and 125 ft-lbs (169 Nm) at the frame.



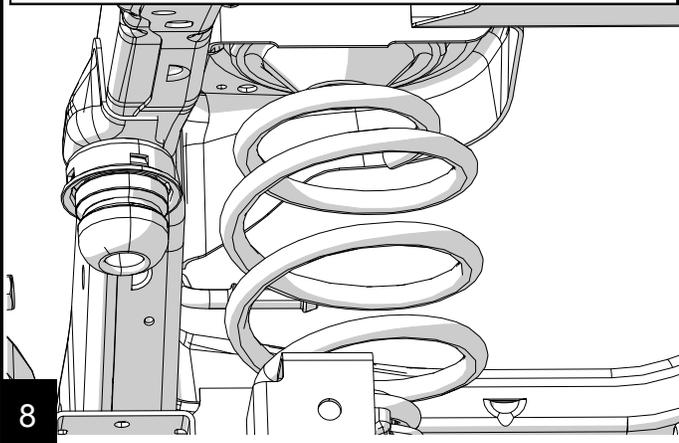
### REAR INSTALL

Raise and support the vehicle by the frame so the axles can droop. Remove the wheels and tires. See the factory service manual for safe support locations.

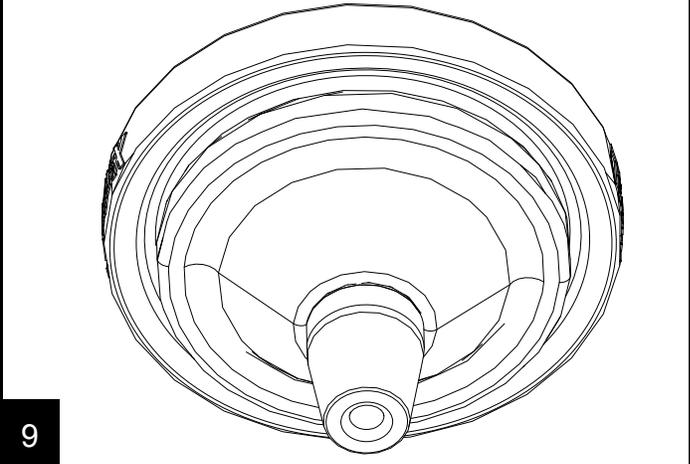
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Lower the axle and remove the springs. Do not over stretch the ABS, breather and brake lines. Some kits may require disconnecting the rear sway bar links.

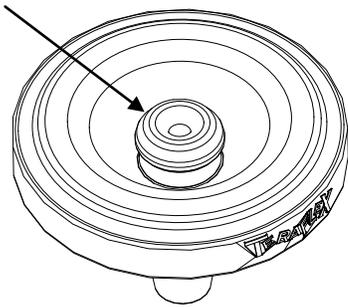


Remove the factory isolator from the upper spring perch and install onto the new spring spacer.

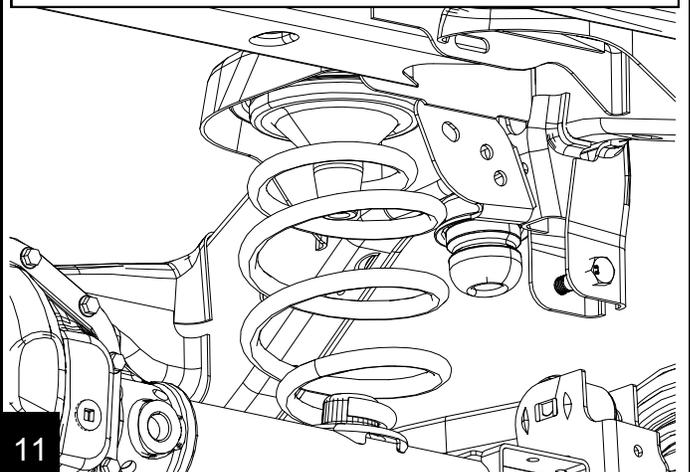


To aid in installation, apply grease to the top of the new spacer. Press the isolator and spacer assembly into the upper spring perch. You can use a piece of wood as a spacer between spring spacer and the axle, then raise the axle to press the spacer in.

Grease Here



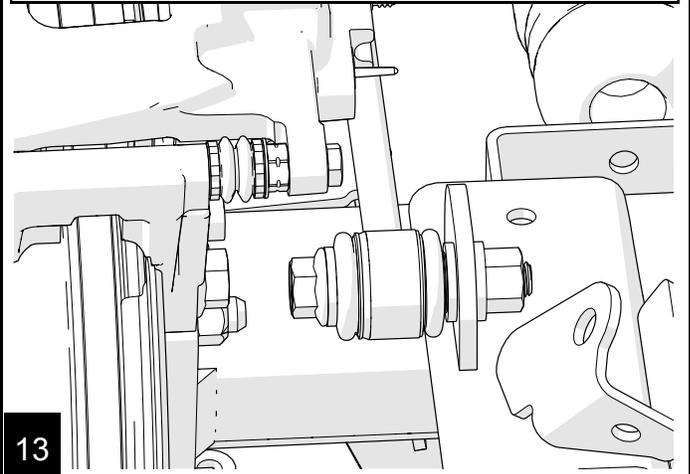
Install the spring. Raise the axle high enough to reinstall the shocks. Torque shock bolts to 56 ft-lbs (76 Nm).



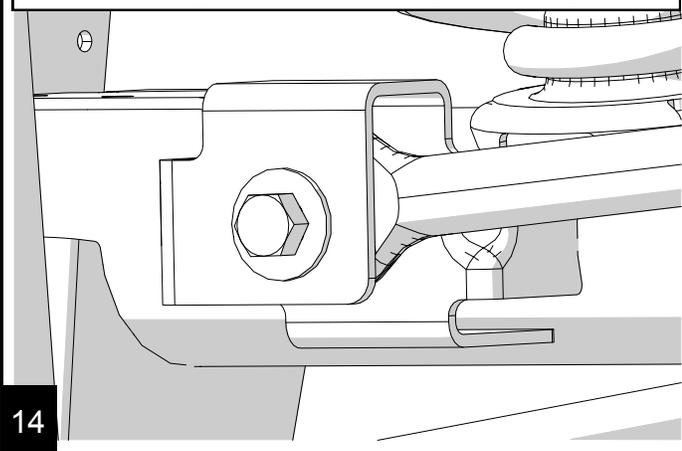
Reinstall the brake lines to the frame. Torque to 84 inch-lbs (9 Nm).



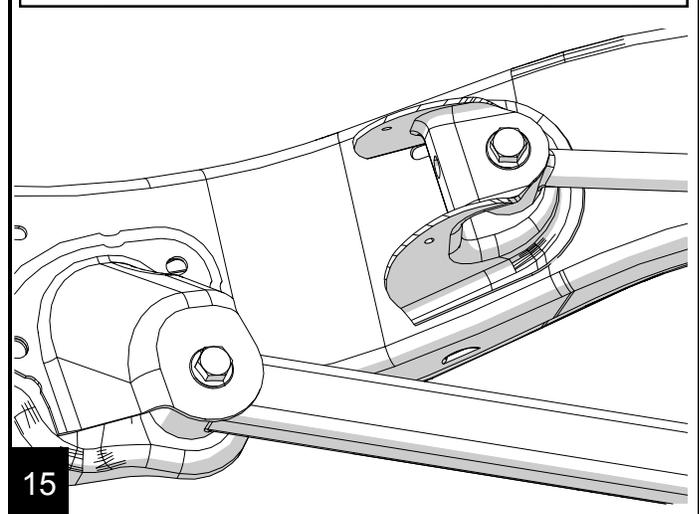
If removed, reconnect the sway bar links. Torque the top stud to 66 ft-lbs (90 Nm) and the lower bolt to 75 ft-lbs (102 Nm).



Reinstall wheels and tires. Lower to the ground and install the track bar. Torque bolt to 125 ft-lbs (170 Nm) Torque wheel lug nuts to 95-115 ft-lbs (129-155 Nm).



Torque all rear control arm bolts to 125 ft-lbs (169 Nm)



## 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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