



JK 2.5" Install Kit Instruction Pack

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Contents:

- Rear Sway Bar Link Instructions
- Spring Instructions
- Bumpstop Instructions
- Rear Track Bar Bracket Instructions
- Rear Lower Spring Retainer Instructions
- Rear Brake Line Extension Bracket Instructions

This packet may not include all necessary instruction sets for your lift kit. Check every received box for additional instruction sets.





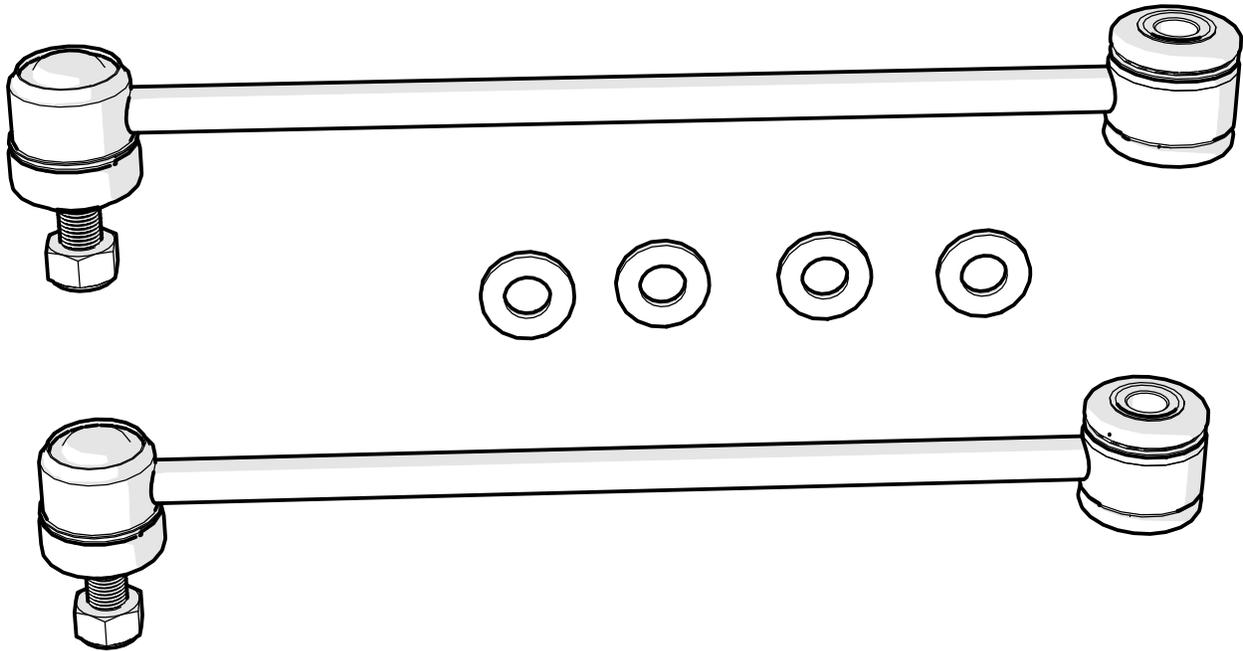
JK 3"-4" Rear Swivel Stud Sway Bar Link Kit

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Kit #1744500 (for 2.5")

Kit #1754500 (for 3" - 4")

Kit #1754410 (for 6")



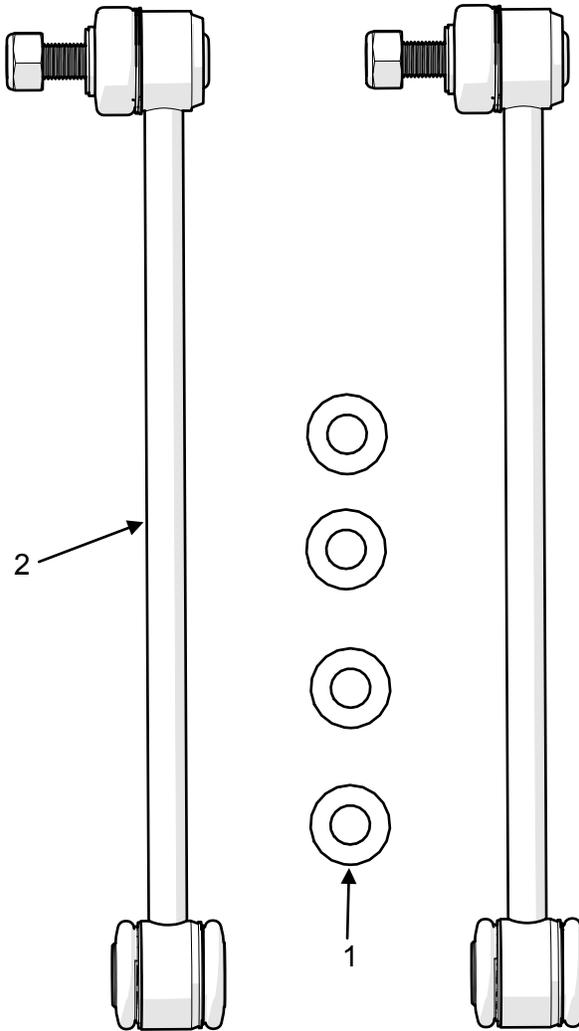
Important Notes:

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
- 6mm Allen Wrench
- 18mm Box Wrench
- 18mm Socket
- 19mm End Wrench
- Ratchet

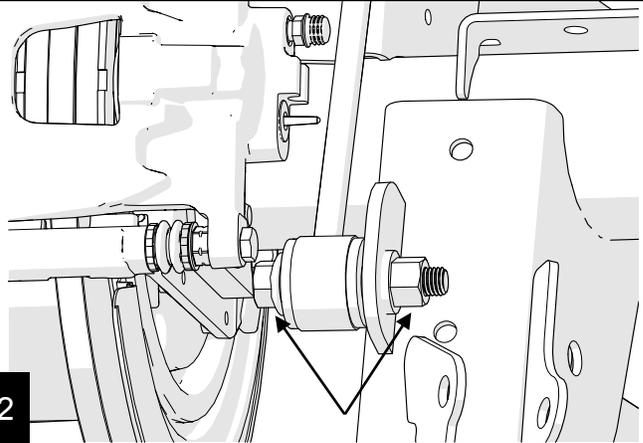


Parts List			
Item Number	Part Number	Description	Quantity
1	37	Washer 1/2" Flat Zinc Plated	4
2	744500	Sway Bar Link Rear 10.75" w/ Swivel Stud	2
	754500	Sway Bar Link Rear 12.25" w/ Swivel Stud	
	754420	Sway Bar Link Rear 14.75" w/ Swivel Stud	

Park the vehicle on a level surface and chock the front tires. Break the rear lug nuts loose with the vehicle on the ground but do not remove the nuts completely. Jack the rear of the vehicle off the ground and lower it onto jack stands. Remove the wheels.

1

Using the 18mm socket and wrench, remove the bolt holding the factory link to the axle bracket.

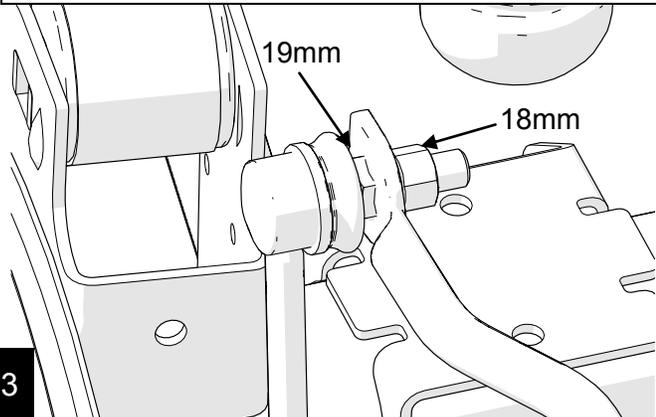


2

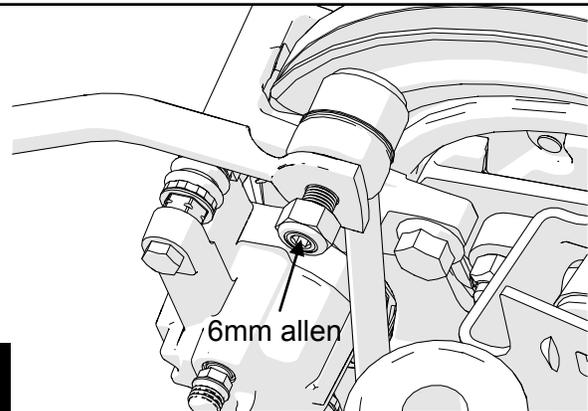
Using a 19mm wrench to hold the stud from turning and an 18mm to remove the nut, remove the link from the swaybar. Repeat steps 2 and 3 on other side.

3

With both factory links removed, install the swivel end of the link into the swaybar from the outside. Install the new lock nut using the 19mm end wrench and the 6mm allen wrench. Torque to 66 ft-lbs



4

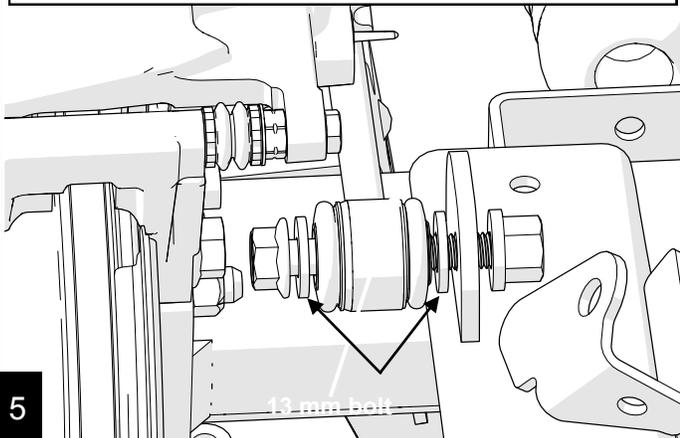


Using the 18mm install the factory hardware and two provided washers on the lower end of the link. Place the washers on either side of the bushing. Torque to 75 ft-lbs.

5

Replace the wheels, torque to 110 ft-lbs. Raise off the jack stands, lower to the ground and remove the chocks.

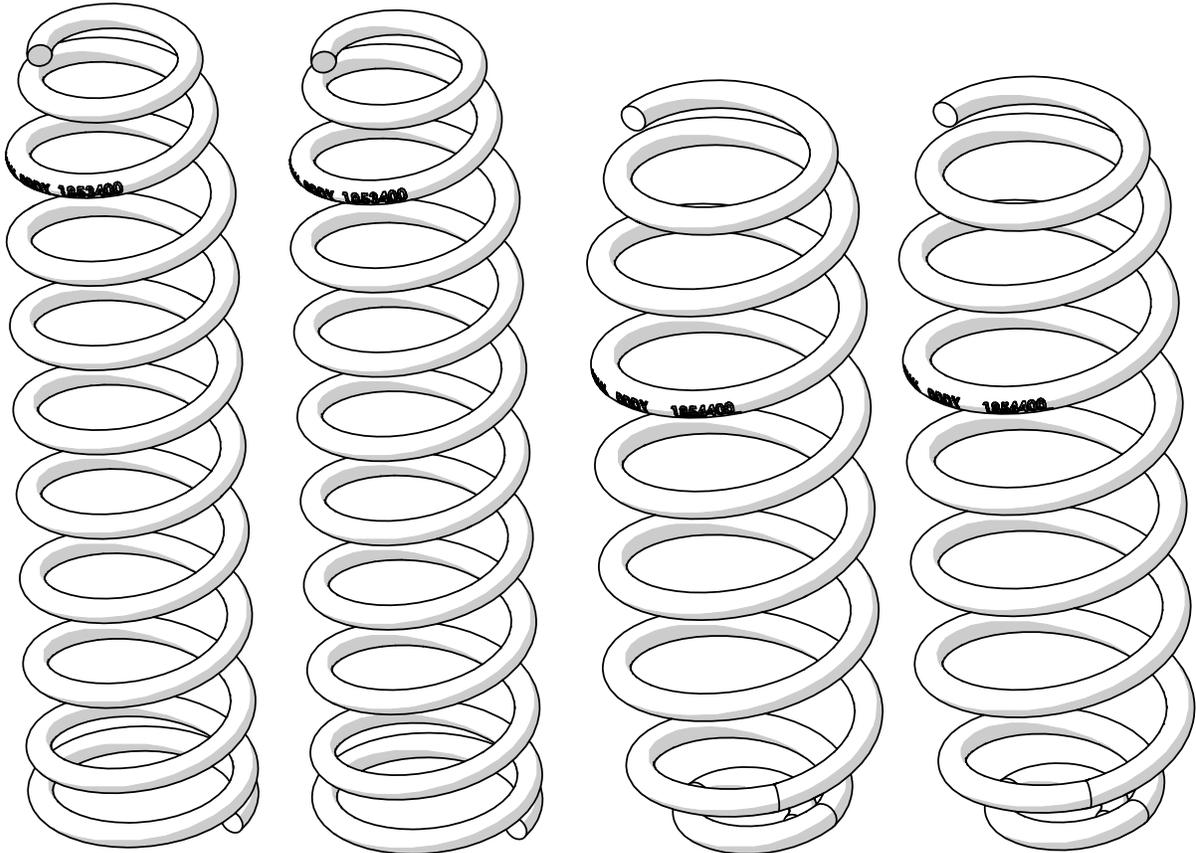
6





JK Spring Removal and Installation

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Important Notes:

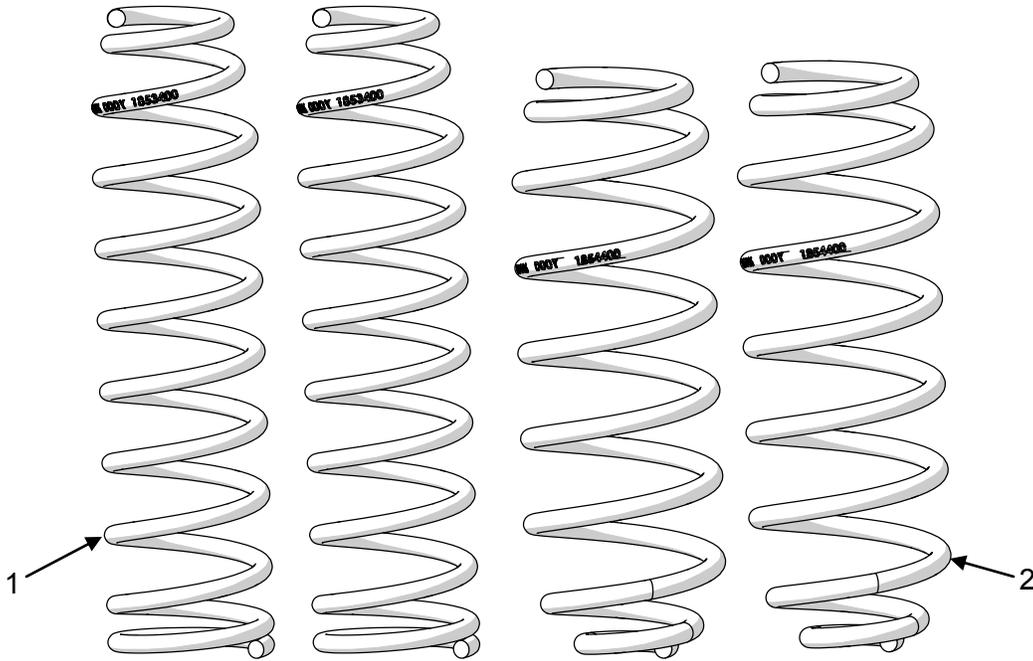
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This product will change the highway handling characteristics of your vehicle, exercise caution.

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



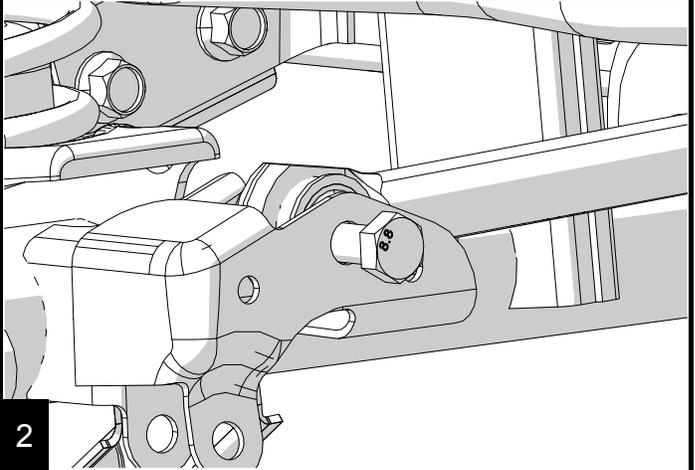
Parts List- JK 2 Door Springs			
Item Number	Part Number	Description	Quantity
1	1853022	JK 2 Door 1.5" Front Springs	1 Pair
	1853052	JK 2 Door 2.5" Front Springs	
	1853102	JK 2 Door 3" Front Springs	
	1853202	JK 2 Door 4" Front Springs	
	1853402	JK 2 Door 6" Front Springs	
2	1854022	JK 2 Door 1.5" Rear Springs	1 Pair
	1854102	JK 2 Door 2.5-3" Rear Springs	
	1854102	JK 2 Door 3" Rear Springs	
	1854202	JK 2 Door 4" Rear Springs	
	1854402	JK 2 Door 6" Rear Springs	

Parts List- JK 4 Door Springs			
Item Number	Part Number	Description	Quantity
1	1853052	JK 4 Door 1.5" Front Springs	1 Pair
	1853102	JK 4 Door 2.5" Front Springs	
	1853202	JK 4 Door 3" Front Springs	
	1853402	JK 4 Door 4" Front Springs	
	1853602	JK 4 Door 6" Front Springs	
2	1854052	JK 4 Door 1.5" Rear Springs	1 Pair
	1854102	JK 4 Door 2.5" Rear Springs	
	1854202	JK 4 Door 3" Rear Springs	
	1854402	JK 4 Door 4" Rear Springs	
	1854602	JK 4 Door 6" Rear Springs	

FRONT REMOVAL

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

Remove the track bar at the axle with a 21mm. The nut is a flag nut. (See 999208 Front Track Bar/Removal)

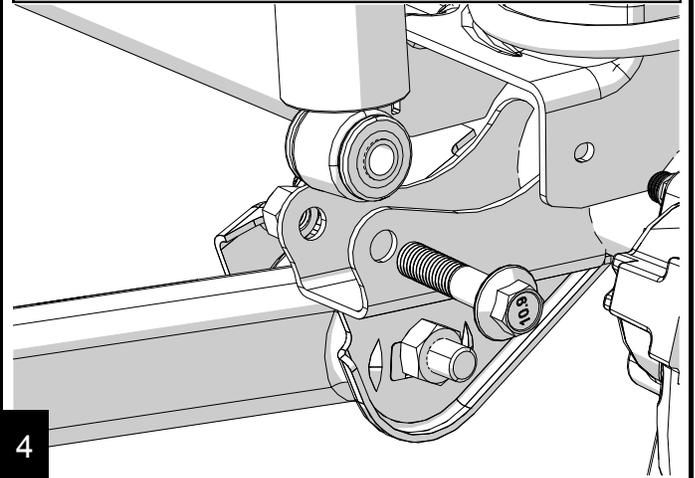
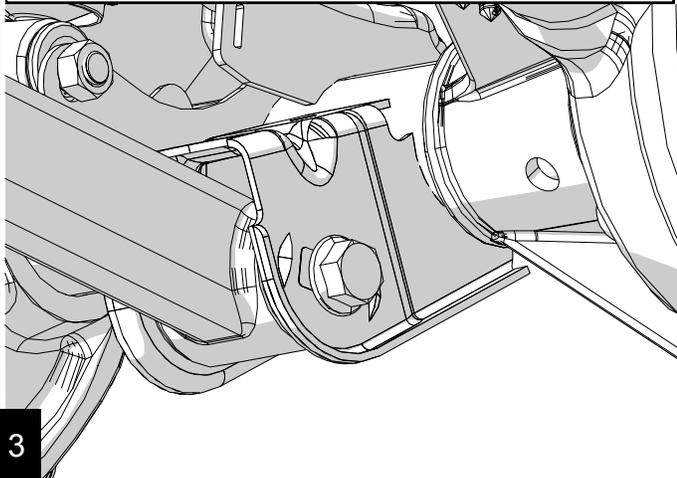


1

2

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

Remove the shocks at the axle with an 18mm wrench and socket. (See 999207 Shocks/Front/Removal)

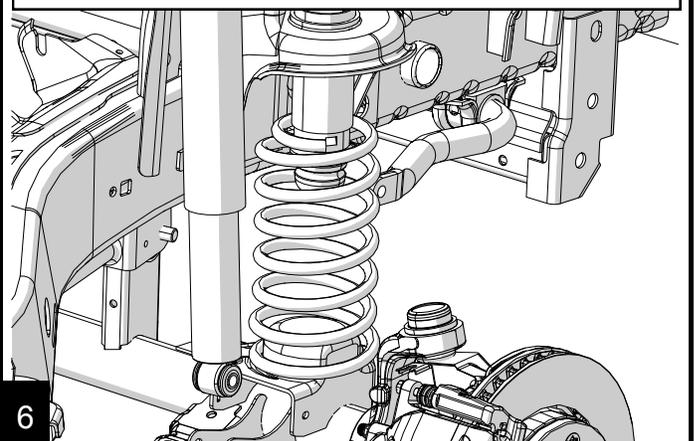
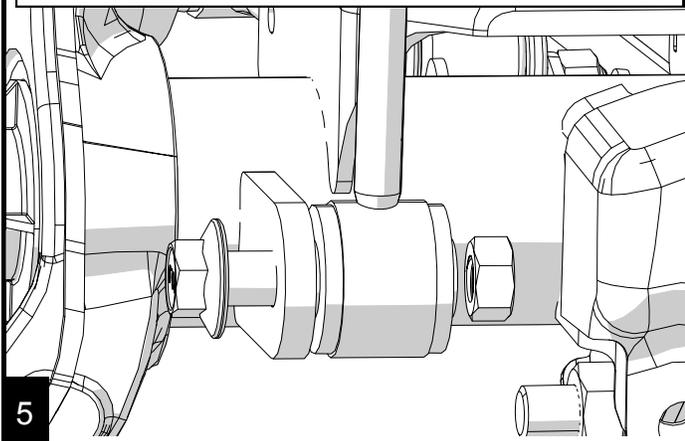


3

4

Remove the sway bar links with an 18mm wrench and socket at the axle. If you are replacing the links, remove completely. (See 999027 Front Quick Disconnect/Removal)

Lower the jack until the spring is free. Remove the coil spring. Be sure to watch the ABS, brake lines and breathers that they are not over stretched..

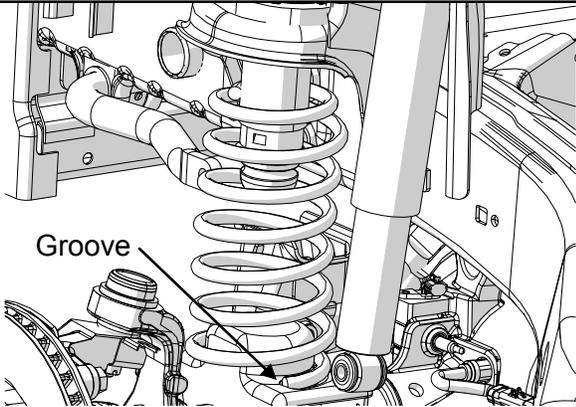


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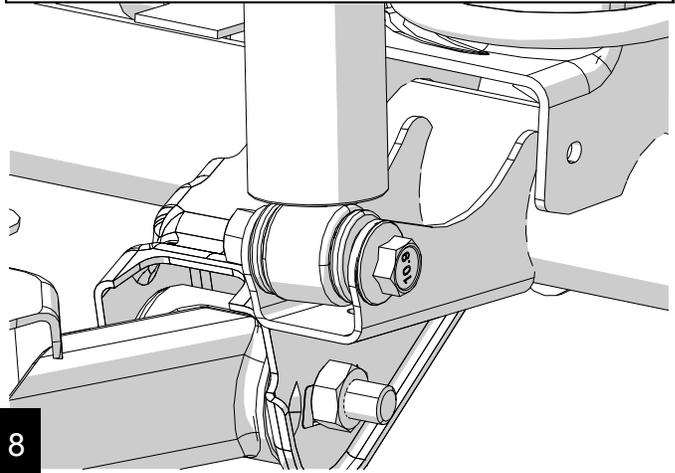
FRONT INSTALLATION

Install both coil springs, drivers side first followed by the passenger side. Rotate the spring until they are fully seated.



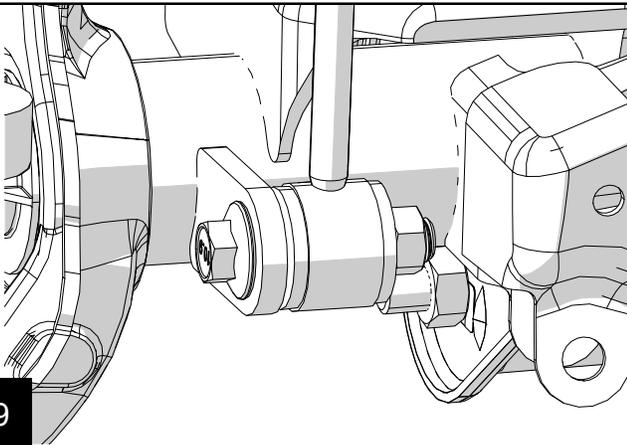
7

Raise the jack high enough to install the shocks. Torque to 56 ft-lbs (76 Nm). (See 999207 Shocks/Front/Installation)



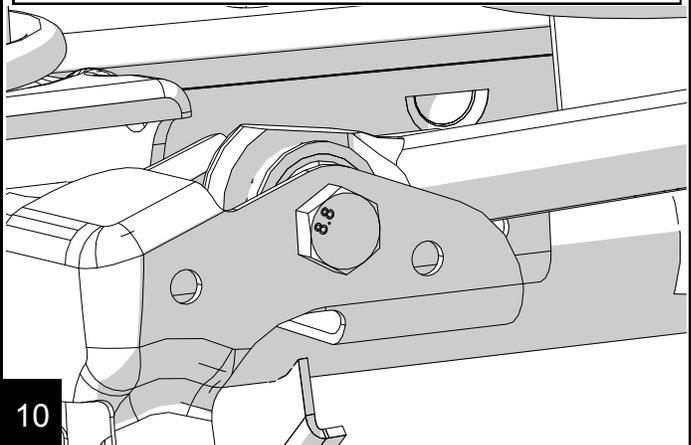
8

Reinstall the sway bar links or install new links if supplied. Torque top and bottom to 75 ft-lbs. (See 999027 JK Quick Disconnect Links/Installation)



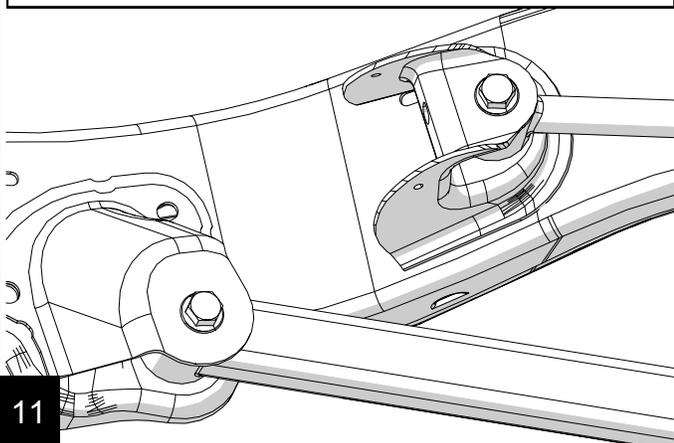
9

Reinstall the front track bar once the vehicle is sitting on the ground. Torque to 125 ft-lbs. (See 999208 Front Track Bar/Installation)



10

Reinstall wheels and tires. Torque lug nuts to 95-115 ft-lbs. Once the vehicle is on the ground, torque upper control arm bolts to 75 ft-lbs and all lowers to 125 ft-lbs.



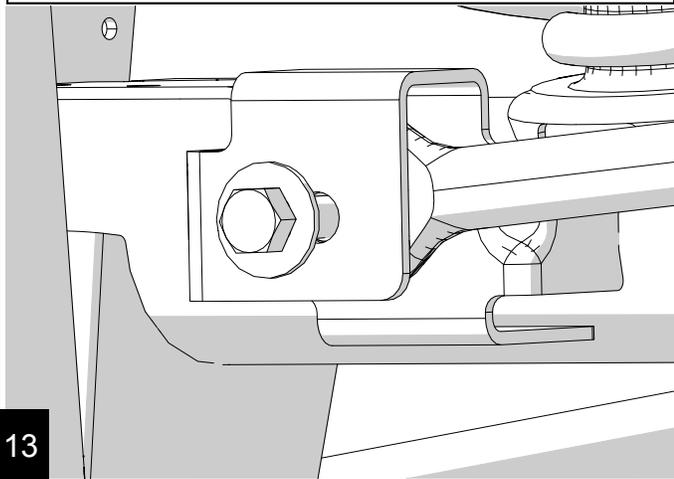
11

REAR REMOVAL

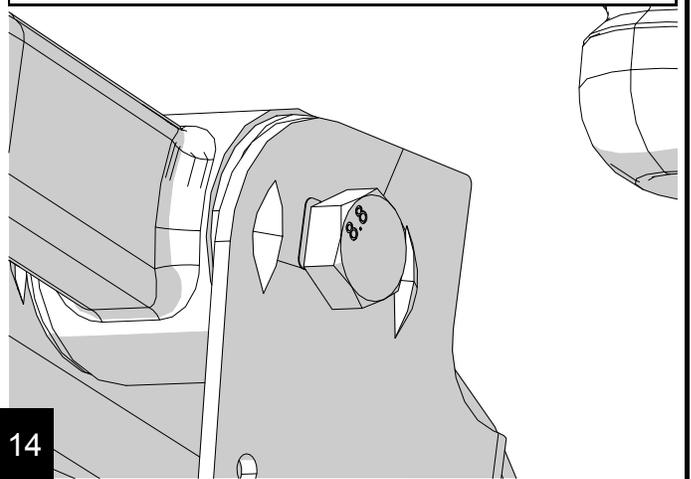
Refer to the factory service manual for lift locations. Raise and support the vehicle. Remove the tires and wheels and support the axle with a jack or jack stands.

12

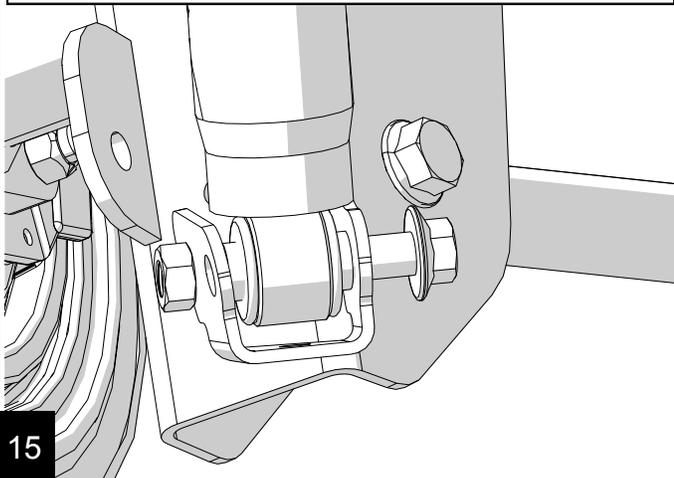
Remove the rear track bar at the axle with a 21mm. The nut is a flag nut. (See 999043 Rear Track Bar/Removal)



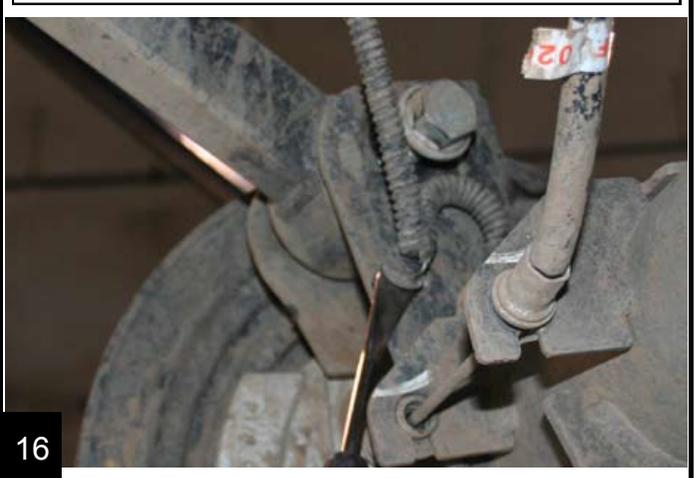
With a 21mm loosen all rear control arm bolts. DO NOT REMOVE ARMS OR BOLTS.



Remove the shock at the axle with an 18mm. (See 999207 Shocks/Rear/Removal)



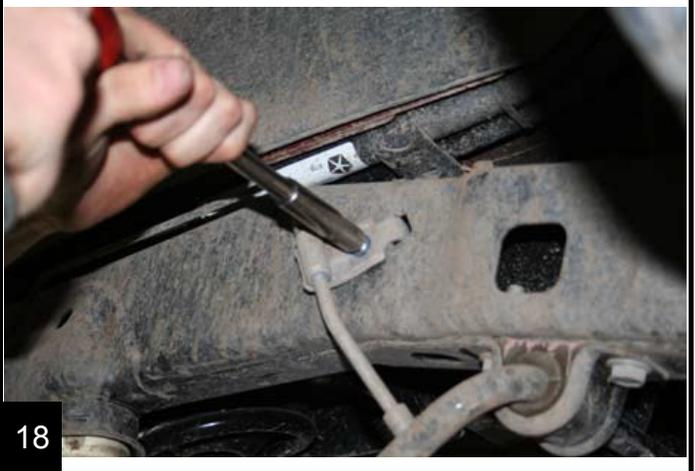
Remove the clips that secure the ABS wiring harness to the upper control arm mount.



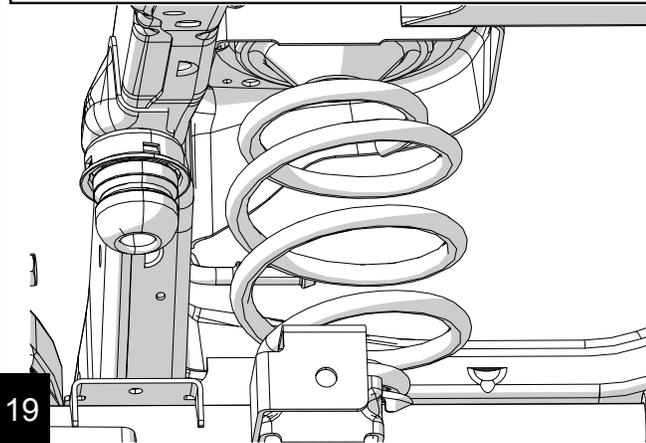
Remove the parking brake cable bracket from the underside of the body with a 10mm deep socket and discard.



Remove the brake line mount from the frame with a 10mm.



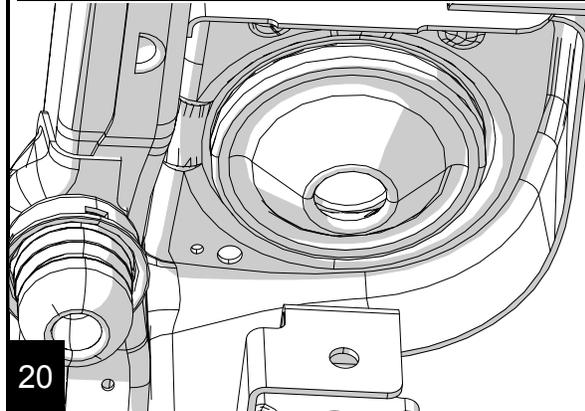
Carefully lower the axle enough to remove the spring. Be sure to watch the ABS, brake lines and breather tubes for overextension. Remove the old spring.



19

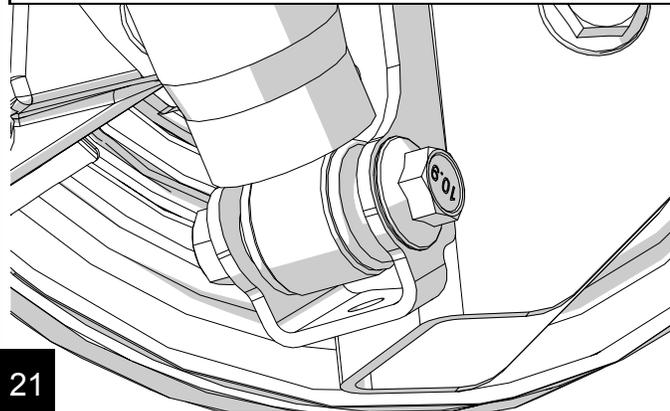
REAR INSTALLATION

Install the new springs. Make sure to reuse the factory spring isolator.



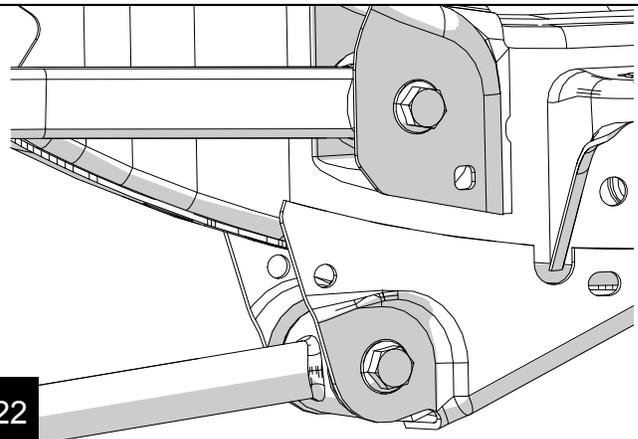
20

Raise the axle high enough to reinstall the lower shock bolts. Torque to 56 ft-lbs. (See 999207 Shocks/Rear/Installation) Using a drop bracket if necessary, reinstall the brake line mount to frame. Torque to 16 ft-lbs.



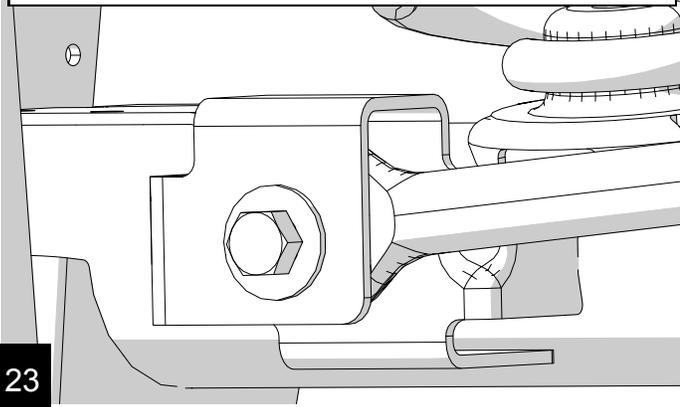
21

Reinstall wheels and tires, torque to 95-115 ft-lbs. Lower to the ground. Torque all upper control arm bolts to 75 ft-lbs and all lower control arms to 125 ft-lbs.



22

Reinstall the rear track bar at the axle. Have someone push on the body to help align the bolt holes. Torque to 125 ft-lbs. (See 999043 Rear Track Bar/Installation) Recheck every bolt for torque. Re-torque all bolts after 100 miles.



23

To straighten the steering wheel, loosen the adjuster sleeve on the drag link with a 15mm. Make a mark across the sleeve and threads to indicate the original position. Looking from the drivers side, rotate the adjuster sleeve counter clockwise 3/4 of a turn. This should be pretty close. Every vehicle is different, test drive yours and adjust as needed. Torque the pinch clamp bolts to 45 ft-lbs.

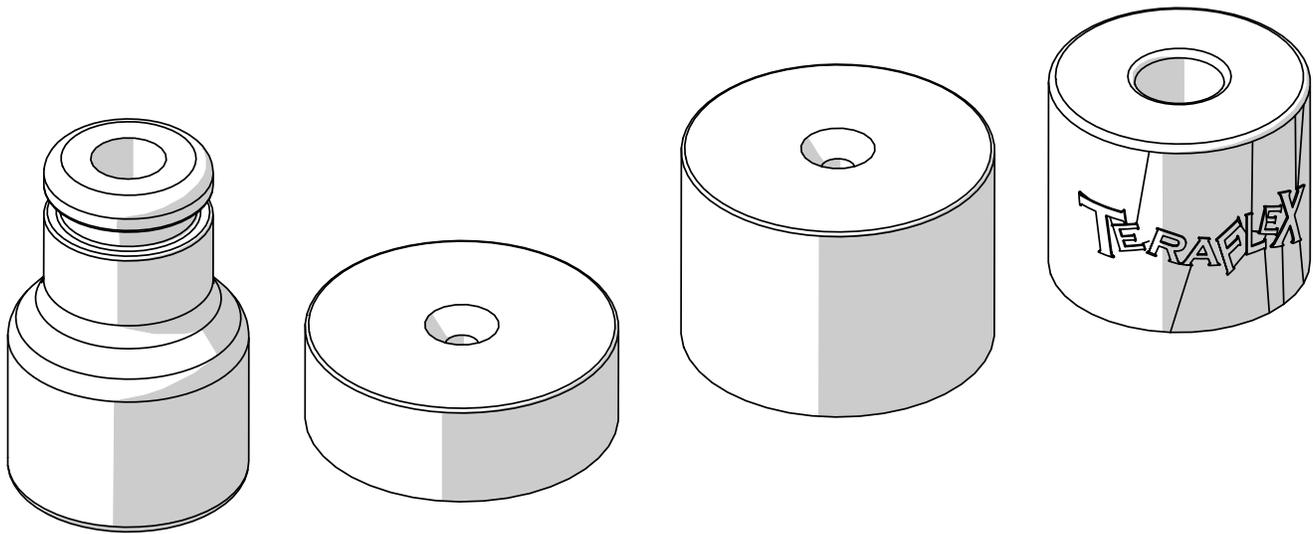
24



JK Front Bumpstop Extensions

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- #1953800 Front Upper 2.75" Tall
- #1910234 Standard Lower 2.25" Tall
- #1467125 Speedbump Lower Bumpstop 1.25" Tall
- #1467250 Speedbump Lower Bumpstop 2.5" Tall



Important Notes:

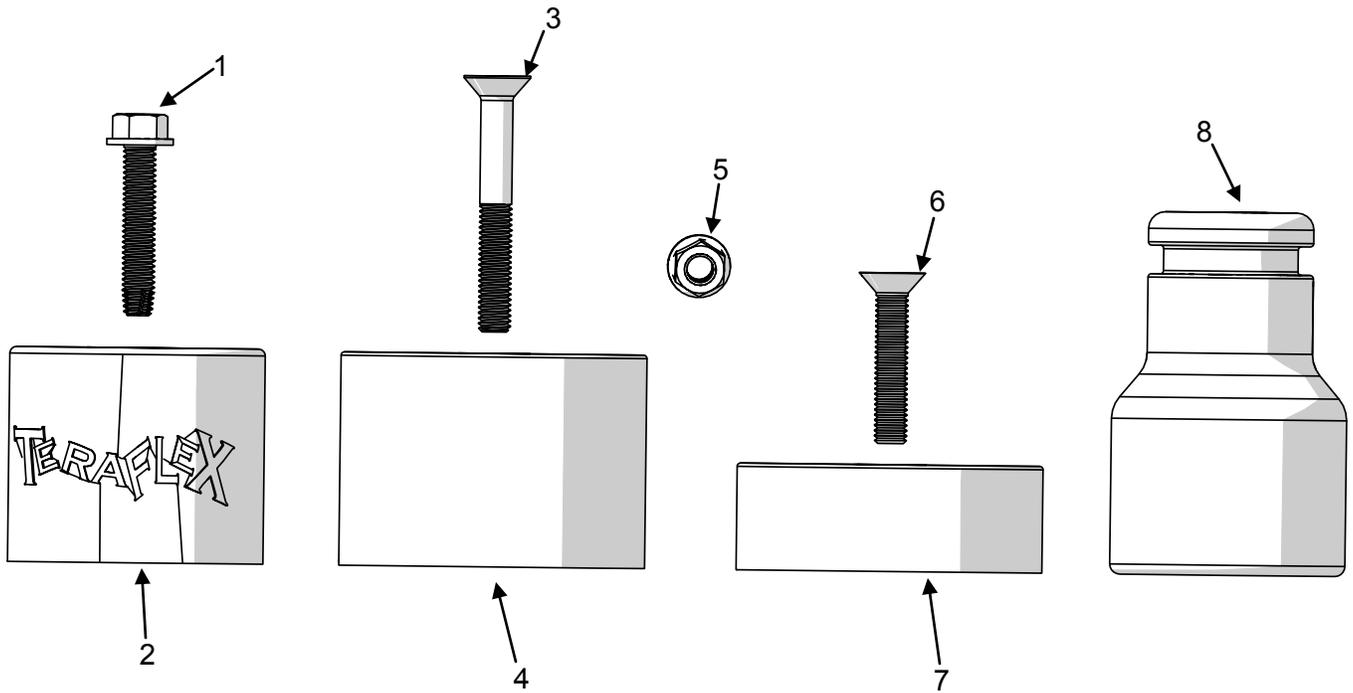
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For upper bumpstop installation, see page 5.

Tools needed:

- This installation guide
- Basic mechanics tool set



Parts List- Kit #1910234

Item Number	Part Number	Description	Quantity
1	31	Bolt 3/8"-16x2" Self Tapping	2
2	4671111	JK/TJ Front Lower 2.25" Raised Bumpstop Pad	2

Parts List- Kit #1467250

Item Number	Part Number	Description	Quantity
3	3151	Bolt 3/8"-16x3" Flat Head Socket Cap	2
4	467250	Bumpstop JK Front 2.5" Tall x 3.5" OD	2
5	85	Nut 3/8"-16 Flanged Serrated	2

Parts List- Kit #1467125

Item Number	Part Number	Description	Quantity
6	315	Bolt 3/8"-16x2" Flat Head Socket Cap	2
7	467125	Bumpstop JK Front 1.25" Tall x 3.5" OD	2
5	85	Nut 3/8"-16 Flanged Serrated	2

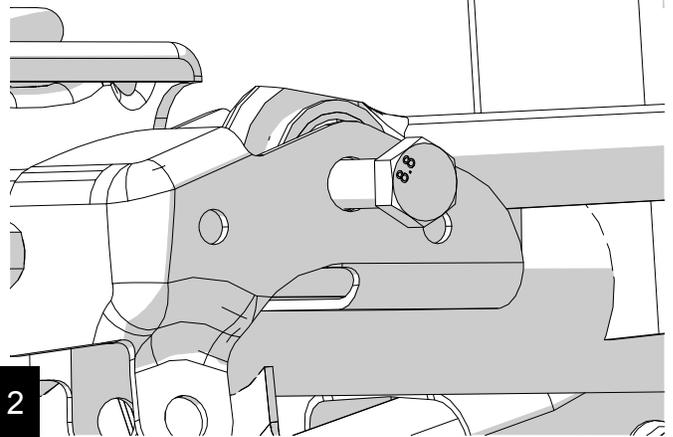
Parts List- Kit #1953800 (See Page 5)

Item Number	Part Number	Description	Quantity
8	953800	JK Front Upper Bumpstop Extension 2.75"	2

INSTALLATION

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

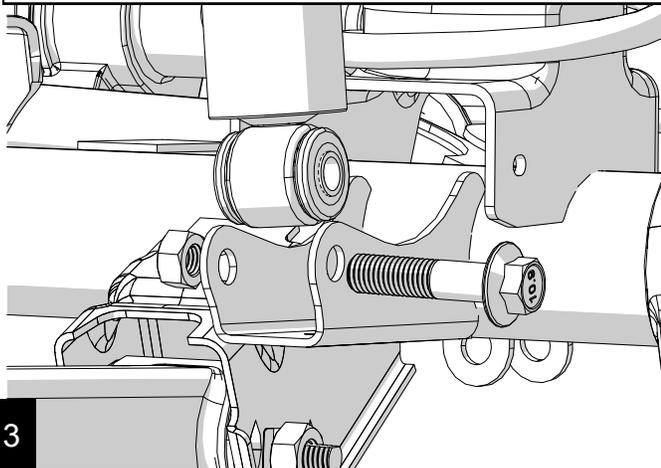
Remove the front track bar at the axle with a 21mm. (See Front Track Bar/ Removal 999208)



1

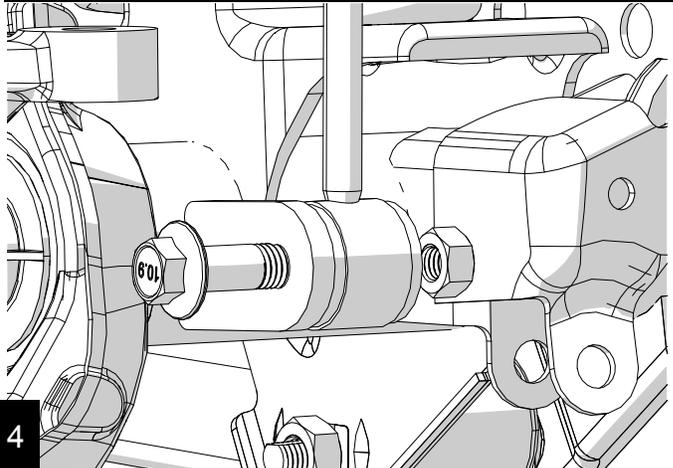
2

Remove the shocks at the axle with an 18mm. (See Shocks/ Front Removal 999207)



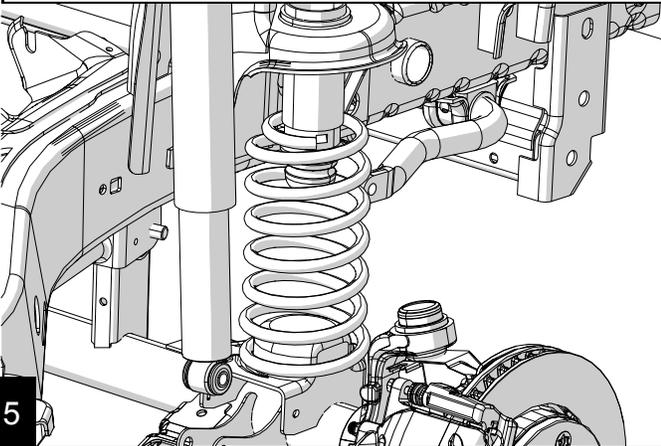
3

Disconnect the swaybar links front the axle with an 18mm. (See 999027 Quick Disconnect Links/Removal)



4

Lower the axle and remove the springs. (See Springs/Front Removal 999206) Upper bumpstop extensions installation see page 5 now.



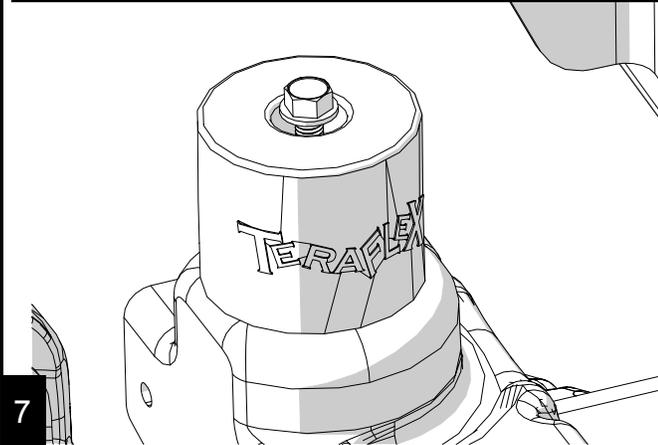
5

Locate the center of the spring pad and drill a 5/16" hole for standard pad installation. For speedbump pads, drill a 3/8" hole.



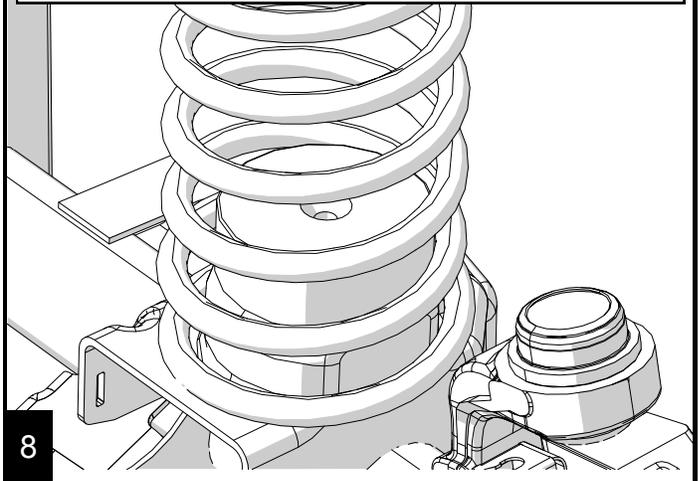
6

Use the standard bumpstop as a guide and thread the self tapping bolt into the hole. After threads are cut, remove the bolt and bumpstop.



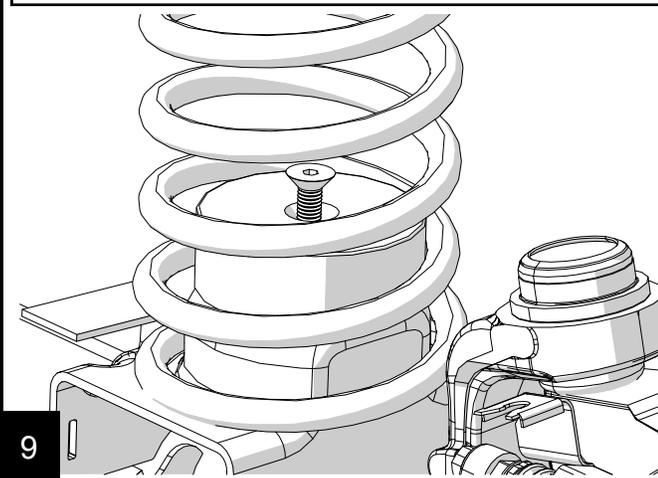
7

Reinstall the springs and spacer together. Install the pad mounting bolt and tighten.



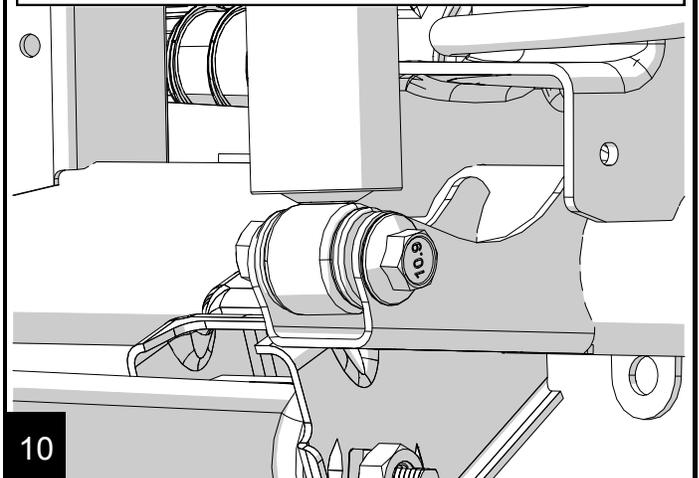
8

For Speedbump applications, install the bolt through the bumpstop with the nut below the spring pad.



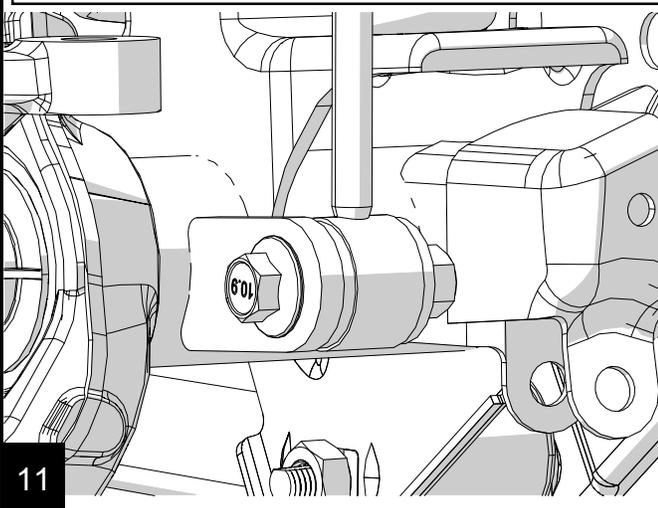
9

Reinstall the shocks. (See 999207 Shocks/Front/Installation)
Torque lower bolt to 56 ft-lbs.



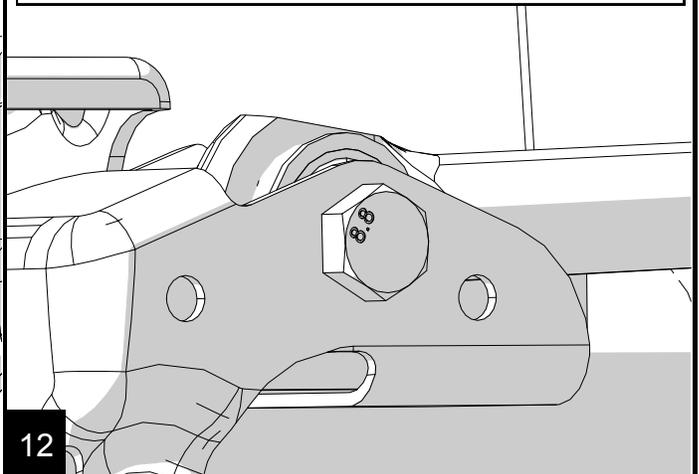
10

Reconnect the swaybar links to the axle. Torque to 75 ft-lbs.



11

Reinstall the tires, remove supports and lower to the ground.
Reinstall the front trackbar. (See Front Trackbar/Installation)



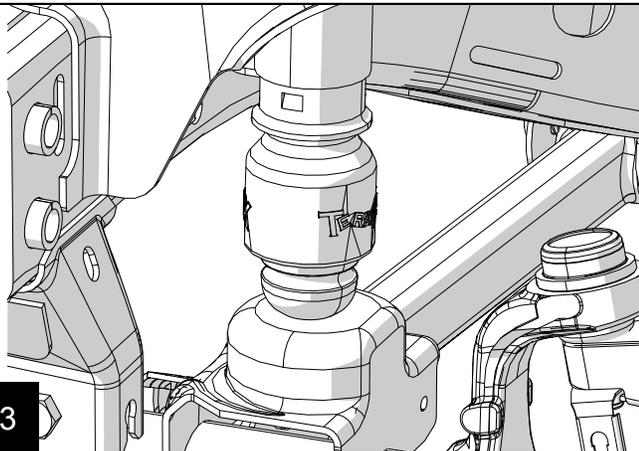
12

UPPER INSTALLATION

Park the vehicle on a level surface and set the parking brake. Raise the vehicle and support the frame to allow axle droop. Support the axle with a hydraulic jack. Remove the wheels and tires.

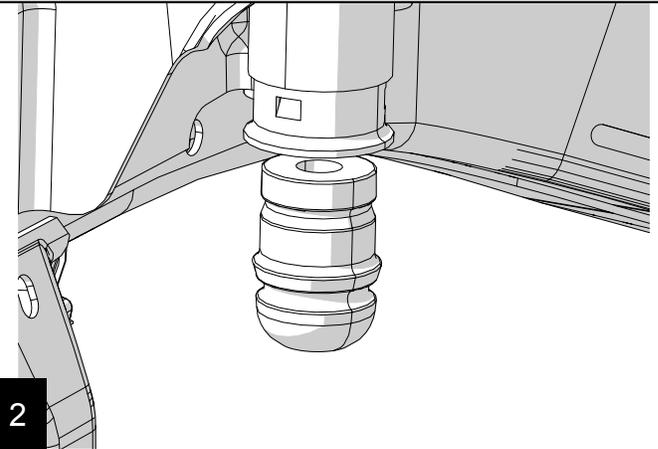
1

Reinstall the bumpstop 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.



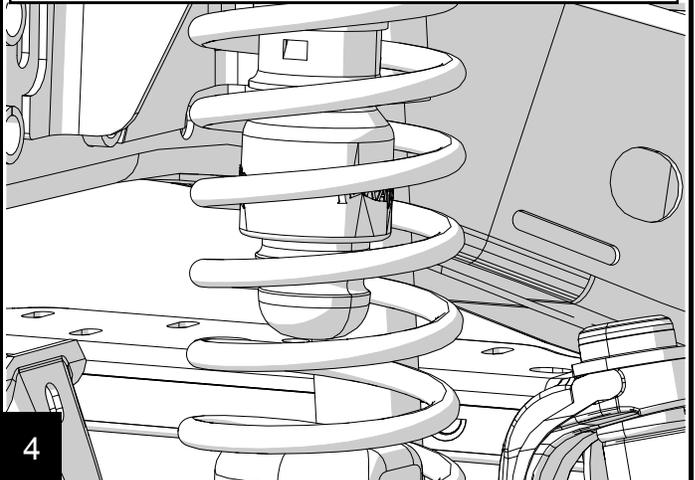
3

Perform steps 2-5 of the lower instructions. Then remove the factory bumpstop from the jounce tube by working it back and forth while twisting and pulling to the side.



2

Reinstall the spring and perform steps 10-12 of the lower instructions.



4



JK Rear Bumpstop Extensions

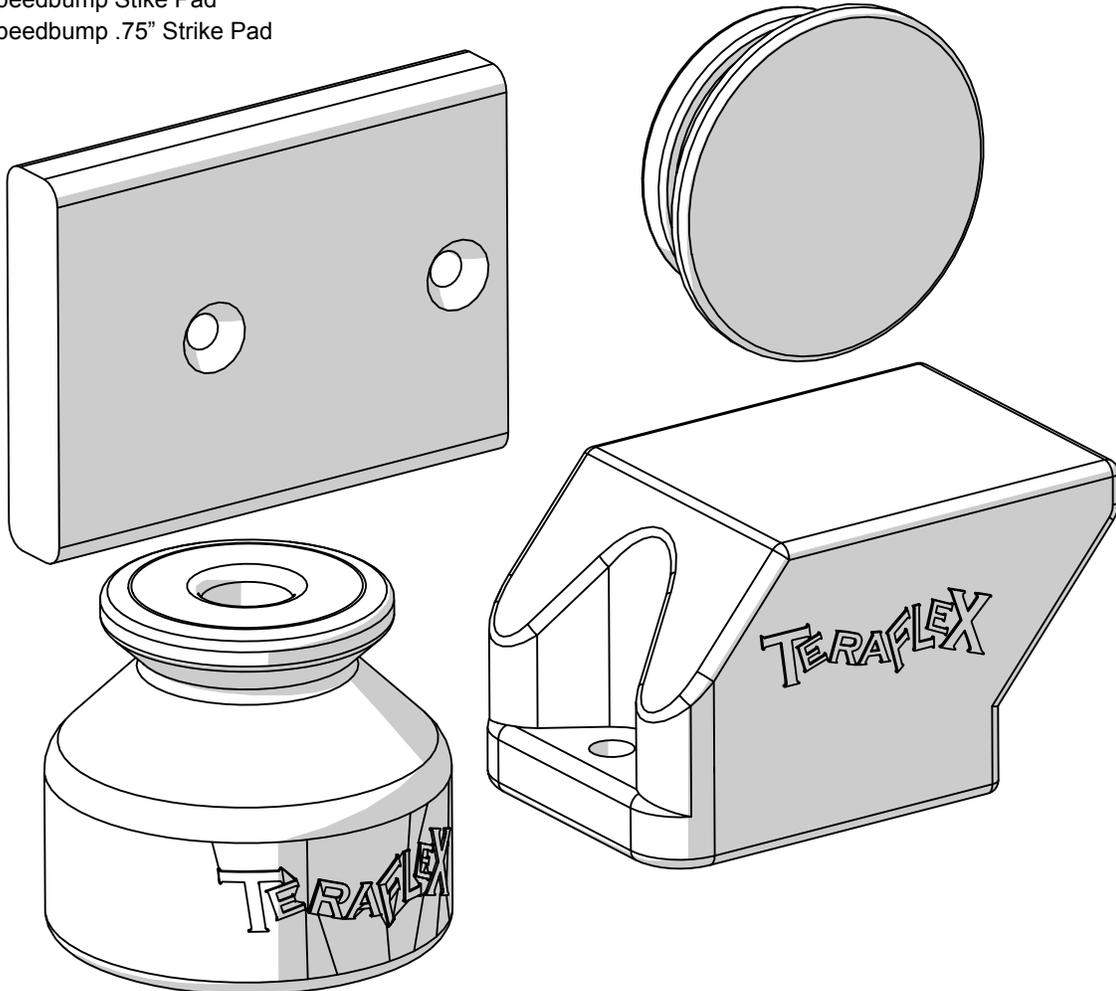
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#1954802 Upper 2" Tall

#1954700 Lower 2.75" Tall

#1992000 Speedbump Strike Pad

#1954600 Speedbump .75" Strike Pad



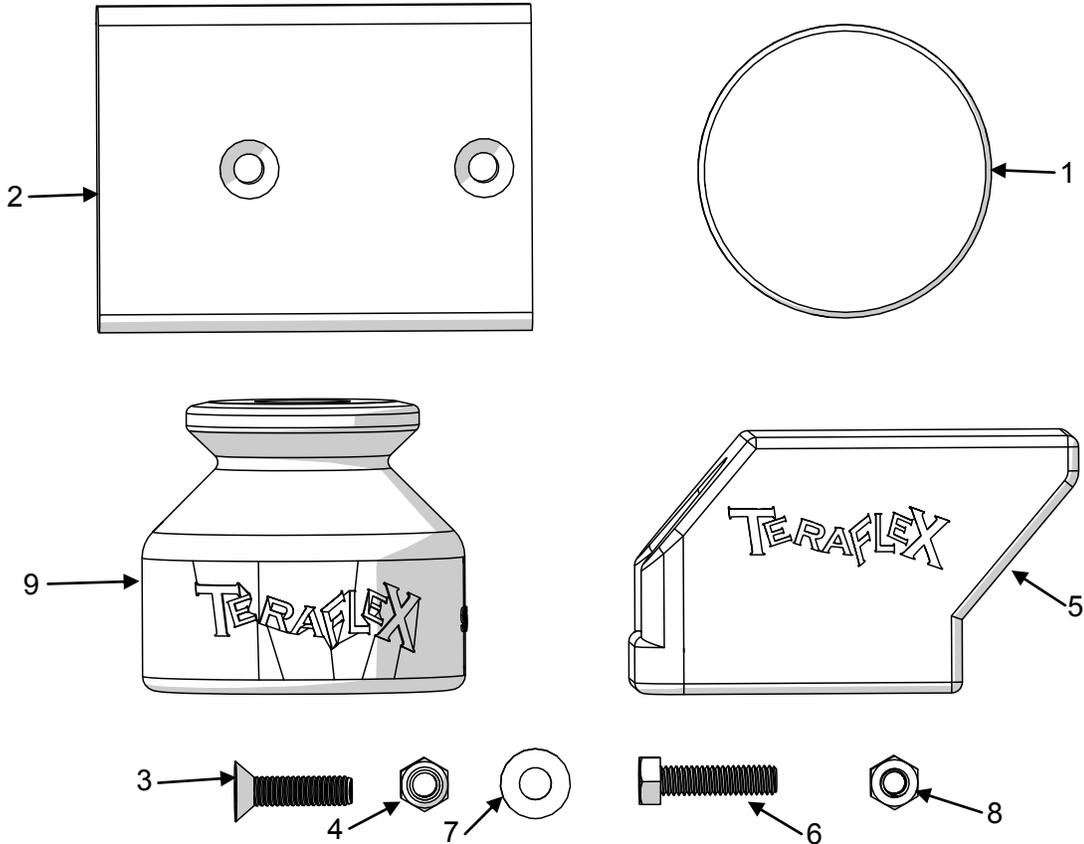
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Tools needed:

- This installation guide
- Basic mechanics tool set



Parts List- Kit #1992000			
Item Number	Part Number	Description	Quantity
1	992000	Upper Speedbump Strike Pad	2

Parts List- Kit #1954600			
Item Number	Part Number	Description	Quantity
2	954600	JK Rear Lower Bumpstop .75" Tall	2
3	179	Bolt 5/16"-18x1.25" Flat Socket Head	4
4	630	Nut 5/16"-18 Nylock	4

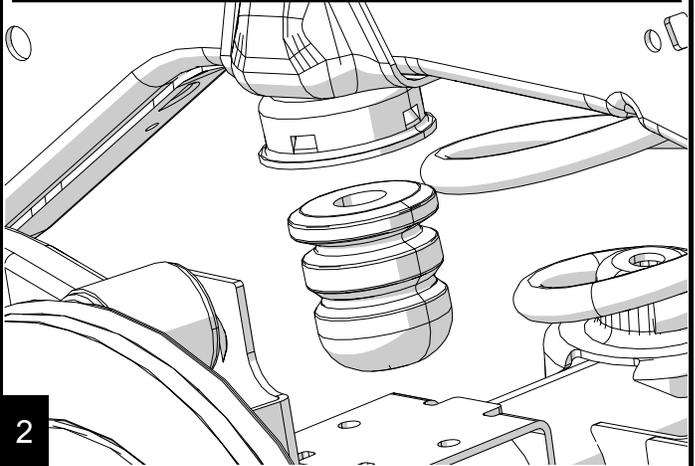
Parts List- Kit #1954700			
Item Number	Part Number	Description	Quantity
5	954700	JK Rear Lower Bumpstop 2.75" Tall	2
6	153	Bolt 5/16-18x1.25" Hex Head	4
7	38	Washer 5/16" Flat	8
8	632	Nut 5/16"-18 Stover Locknut	4

Parts List- Kit #1954802			
Item Number	Part Number	Description	Quantity
9	954802	JK Rear Upper Bumpstop Extension 2"	2

UPPER INSTALLATION

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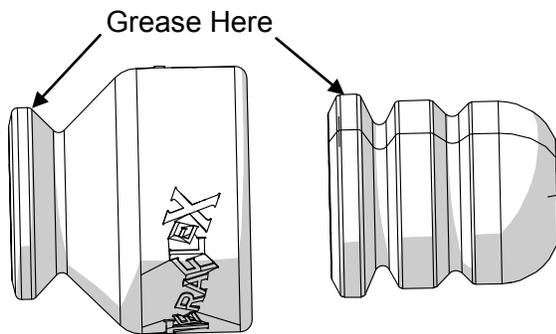
Remove the factory bumpstop from the cup on the frame by working it back and forth while twisting a puling to the side.



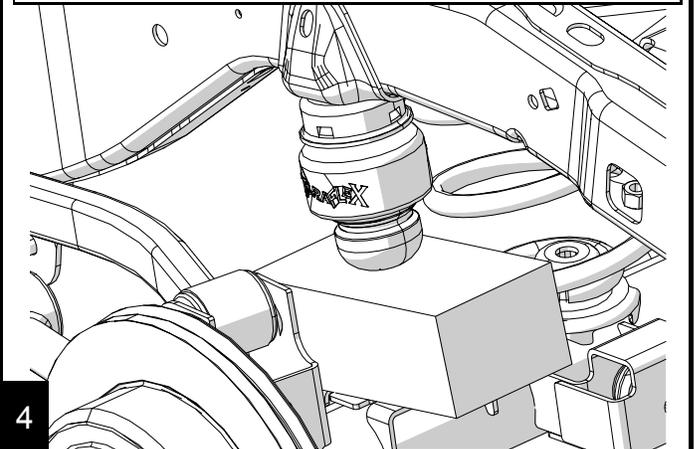
1

2

Apply grease to the bumpstop and the extension. Or just the strike pad.



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.



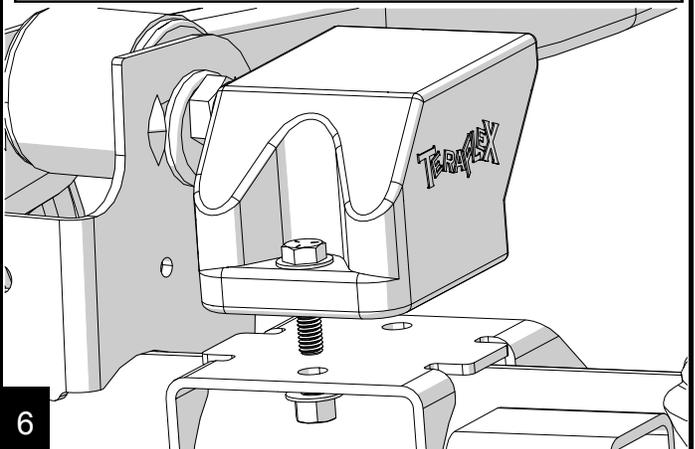
3

4

LOWER INSTALLATION

Park the vehicle on a level surface and set the parking brake. This installation can be done with the vehicle on the ground. Installation is the same for the Speedbump lower strike pad.

Align the extension on the factory pad with the "shelf" towards the front of the vehicle. Install the provided bolts with washers into the two holes. Torque to 25 ft-lbs.



5

6



JK Rear Lower Spring Retainer

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#4954300



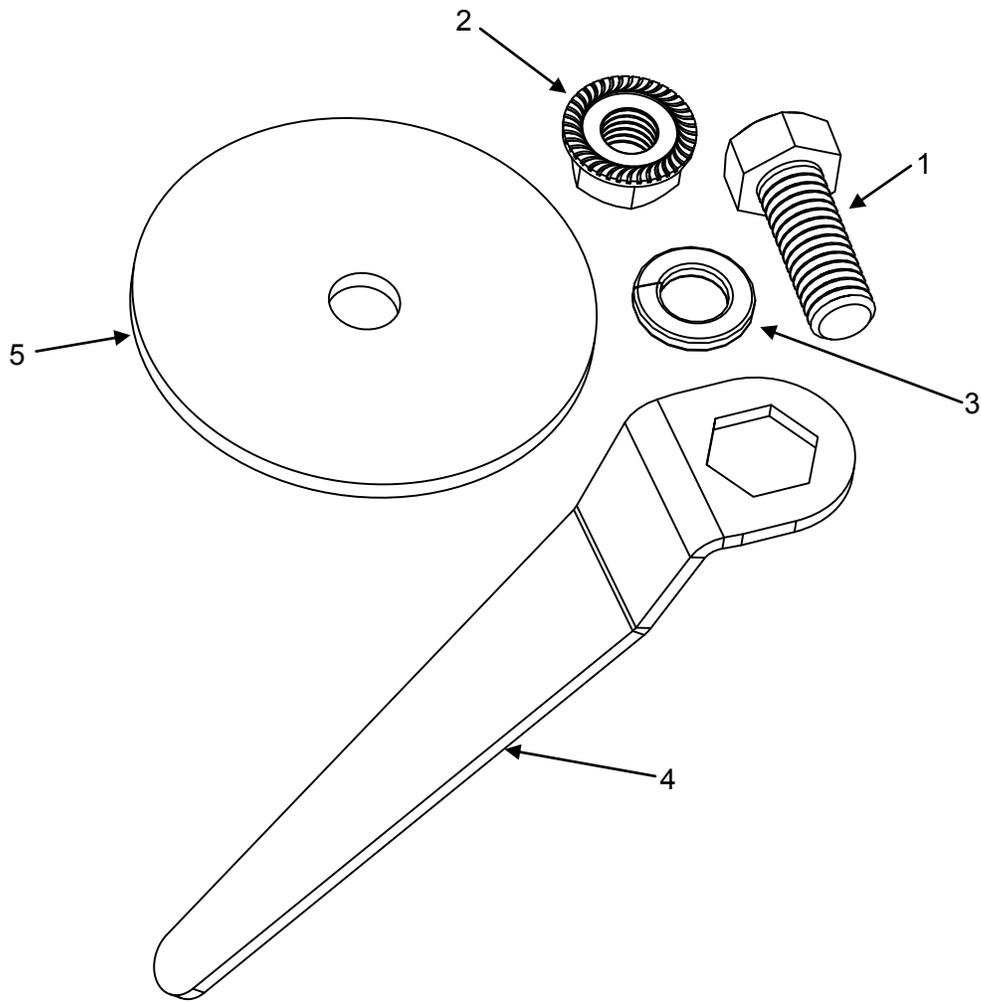
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Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in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

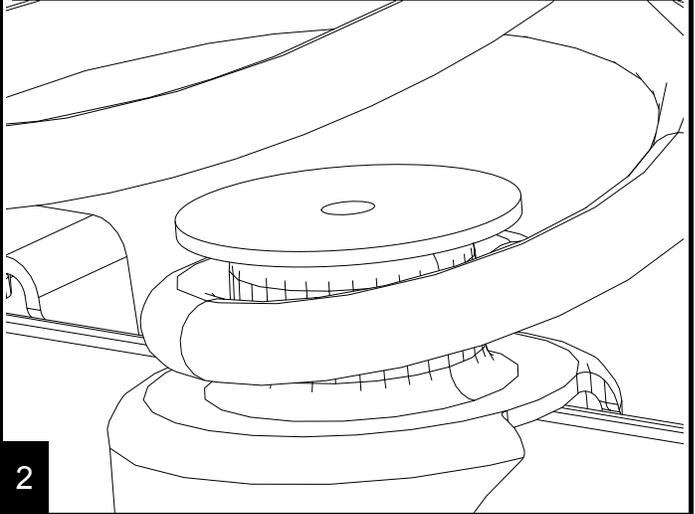


Parts List- Kit #1744014			
Item Number	Part Number	Description	Quantity
1	98	Bolt 3/8"-16 x 1" Hex Head Zinc	2
2	85	Nut 3/8"-16 Flanged Serrated	2
3	123	Washer 3/8" Lock Washer	2
4	600271	Spring Retainer Wrench Tool	1
5	600270	Lower Coil Retainer	2

Park the vehicle on a level surface and set the parking brake. This installation can be done with the vehicle on the ground.

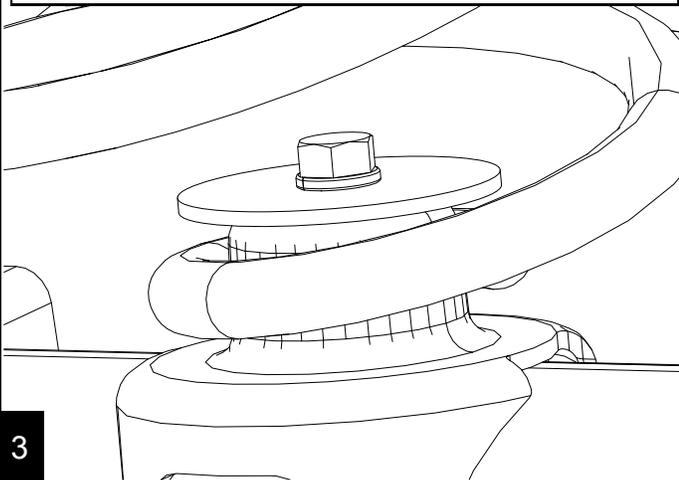
1

Place the retainer on the lower spring pad.



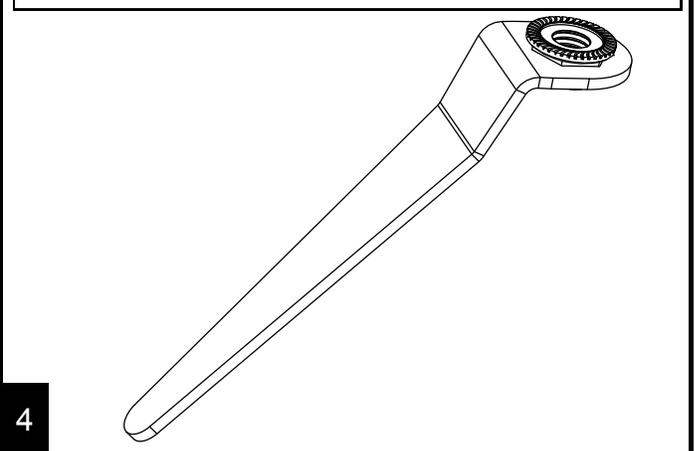
2

Install the 3/8" bolt and lock washer through the spring retainer and spring pad.



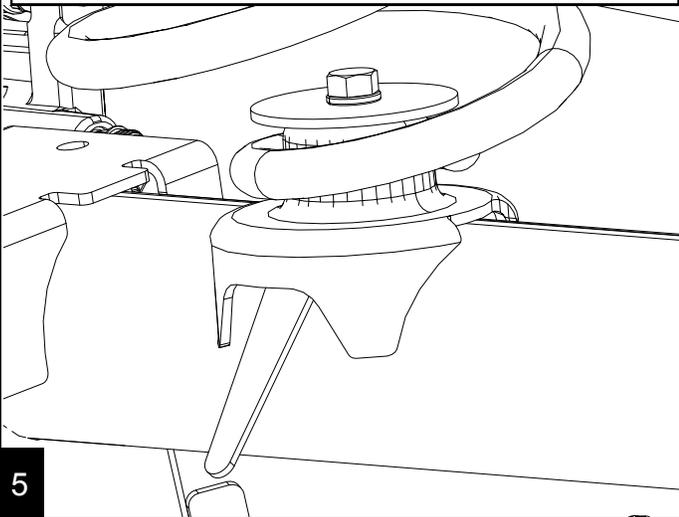
3

Place a nut into the provided tool. Slide the tool underneath the spring pad from the front of the axle and thread the bolt into the nut.



4

Torque the bolts to 30 ft-lbs (41 Nm)



5



JK Rear Brake Line Extension Brackets

www.teraflex.com

#4304400



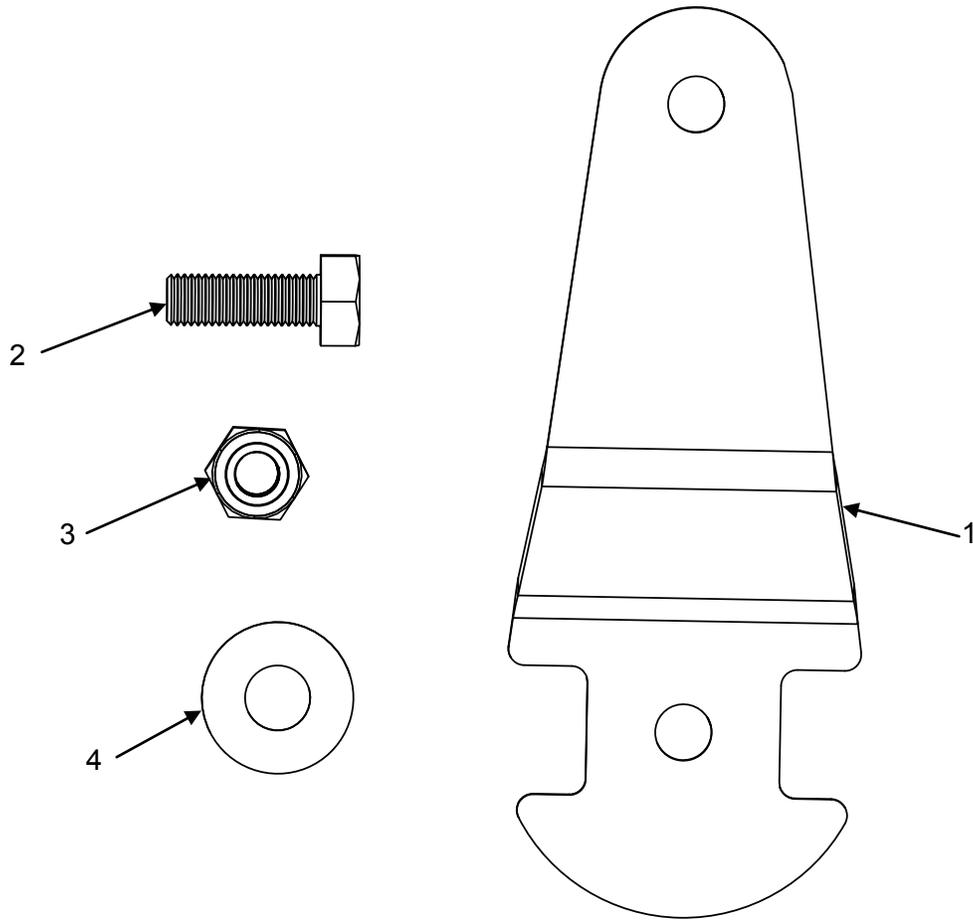
Important Notes:

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- Kit #4304400			
Item Number	Part Number	Description	Quantity
1	600276	JK Rear Brake Line Extension Bracket	2
2	77	Bolt 1/4"-28 x 3/4" Hex Head	2
3	76	Nut 1/4"-28 Nylock Zinc	2
4	458	Washer 1/4" Flat Zinc	4

Park the vehicle on a level surface and set the parking brake. This installation can be done with the vehicle on the ground.

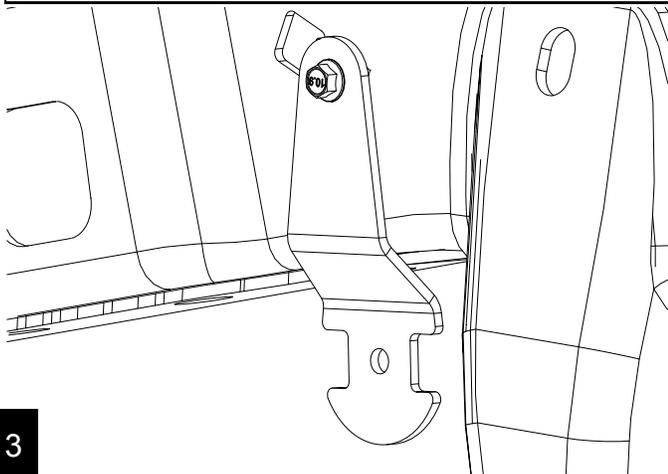
1

Unbolt the rear brake line bracket from the frame with a 10mm.



2

Install the bracket to the frame using the factory bolt. Note orientation with the bend inwards. Torque to 48 inch-lbs (5.4 Nm)



3

Using a 7/16" wrench and the supplied hardware, bolt the brake line to the bracket with a washer on both sides. Torque bolt to 120 inch-lbs (13 Nm)



4

Press the hard brake line against the frame to avoid contact with the sway bar links as the suspension cycles.



5

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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TeraFlex Inc. reserves the right to update, discontinue, redesign, modify finish, part number or component build parts if deemed necessary without written notice.

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