



# JK 4" Install Kit Instruction Pack

[www.teraflex.com](http://www.teraflex.com)

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- Extended Brake Lines pg. 22
- Universal Brake Line Anchor Kit pg. 27
- Rear Lower Spring Retainer pg. 29
- Rear Bumpstop Extensions pg. 32

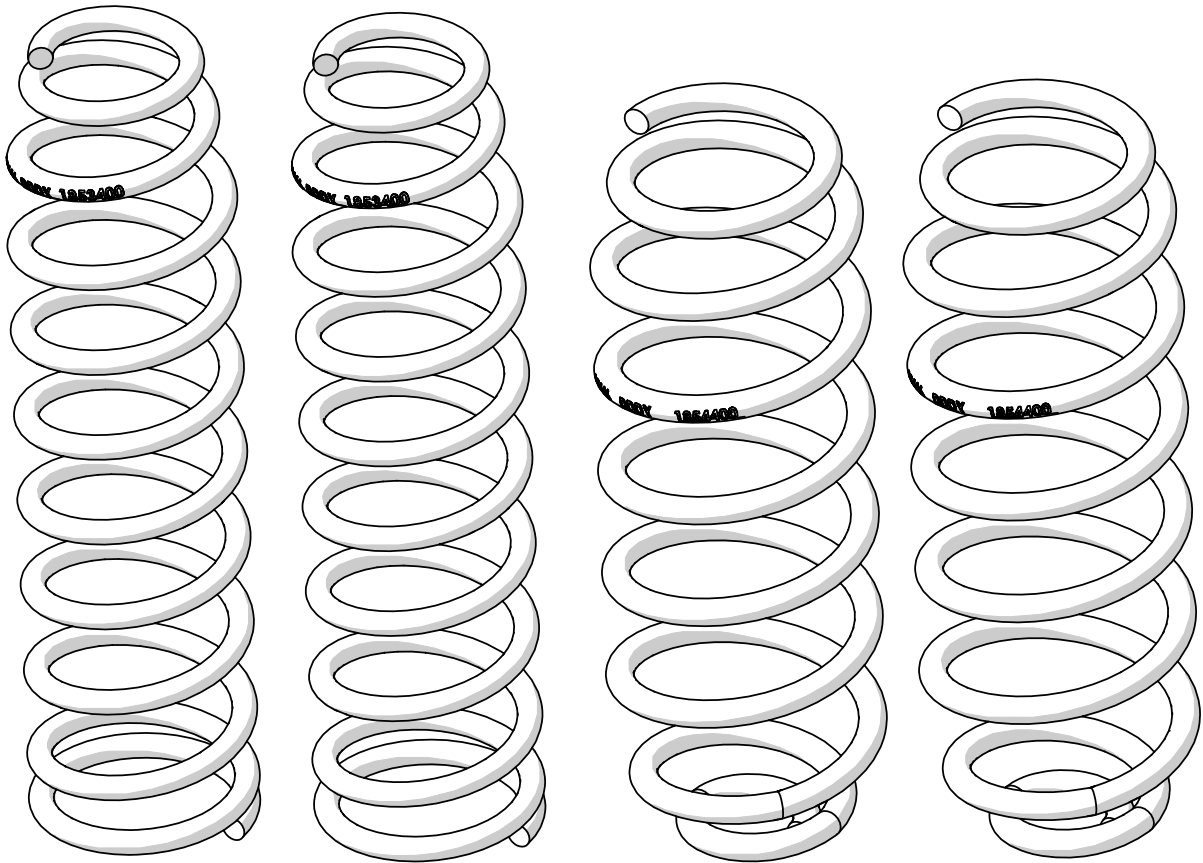
This packet does not include all necessary instruction sets for your lift kit.  
Check every received box for additional instruction sets.





# JK Spring Removal and Installation

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## Important Notes:

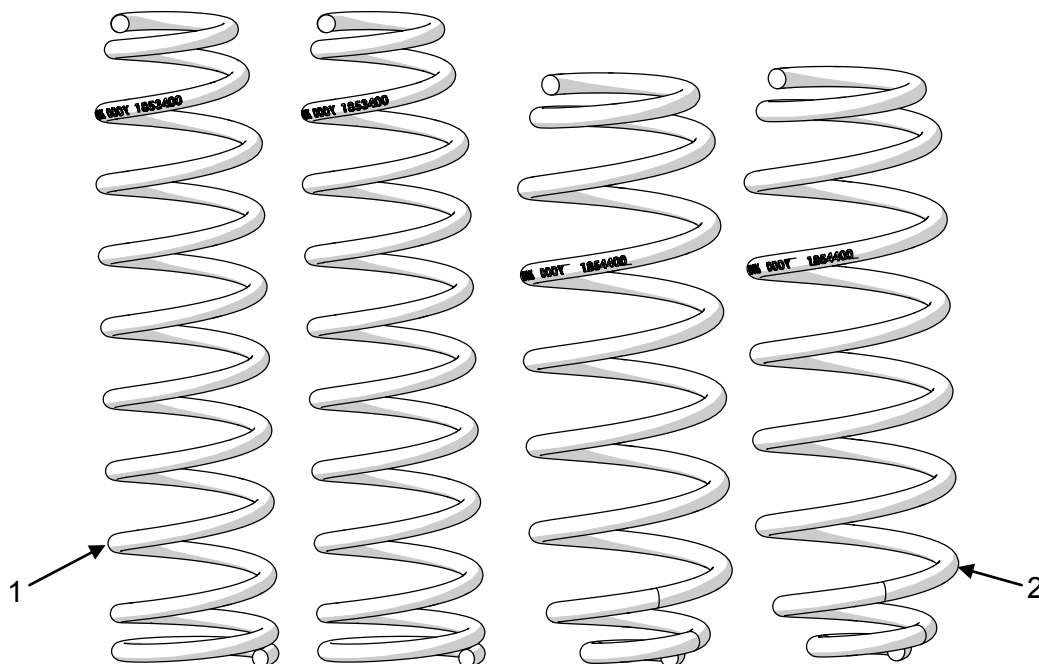
Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

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
	1854052	JK 2 Door 2.5" 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

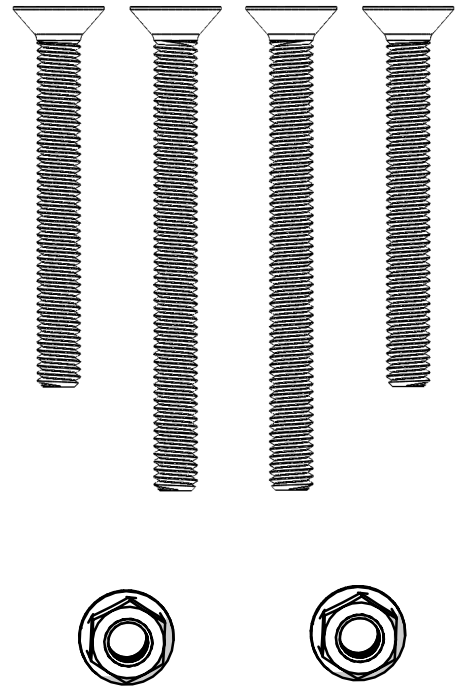
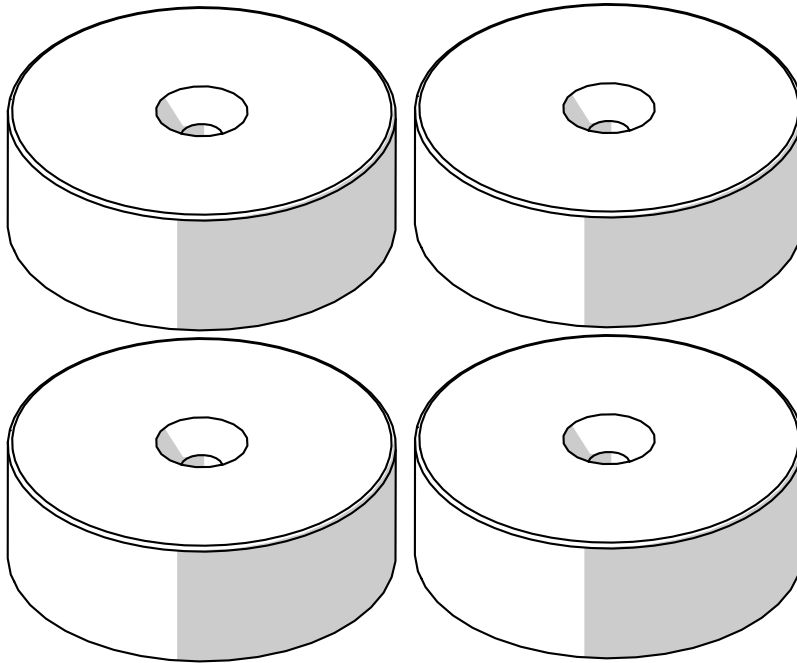
Item Number	Part Number	Description	Quantity
1	1853052	JK 4 Door 1.5" Front Springs	1 Pair
	1853102	JK 4 Door 2.5" Front Springs	
	1853202	JK 4 Door 3" Front Springs	
	1853402	JK 4 Door 4" Front Springs	
	1853602	JK 4 Door 6" Front Springs	
2	1854052	JK 4 Door 1.5" Rear Springs	1 Pair
	1854102	JK 4 Door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



# JK Front Lower Modular Bumpstop Kit

[www.teraflex.com](http://www.teraflex.com)

#1954616 JK SpeedBump 1.25" Front Lower Bumpstop Pad Kit



## Important Notes:

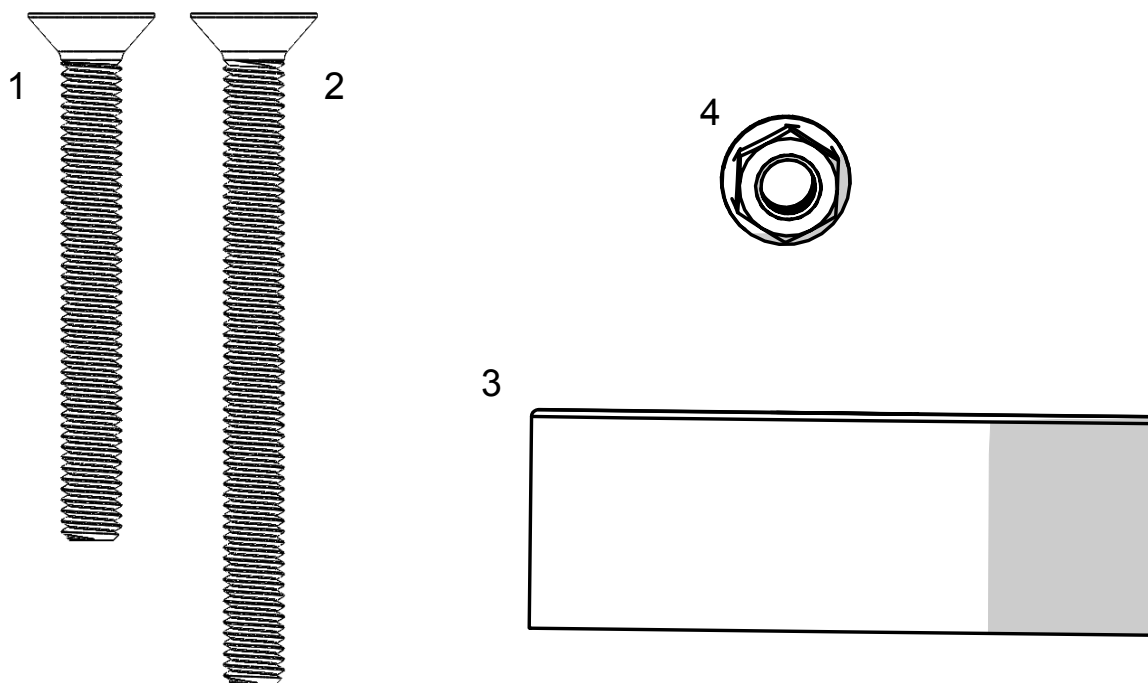
Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

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 install step for the JK Front Lower Modular Bumpstop Kit has been included with the install of the new front springs.**

## Tools needed:

- This installation guide
- Basic mechanics tool set
- Drill and 3/8" Drill Bit



Parts List - Kit #1954616			
Item #	Part Num.	Description	Quantity
1	315	Bolt 3/8"-16 UNC x 2" Long Flat Head Socket Screw Black	2
2	3151	Bolt 3/8"-16 UNC x 3" L Flat Head Socket Cap Screw	2
3	467125	Bumpstop JK Front Speedbump Pad 1.25" Tall x 3.5" OD	4
4	85	Nut 3/8"-16 Flanged Serrated	2



# JK Spring Spacers

[www.teraflex.com](http://www.teraflex.com)



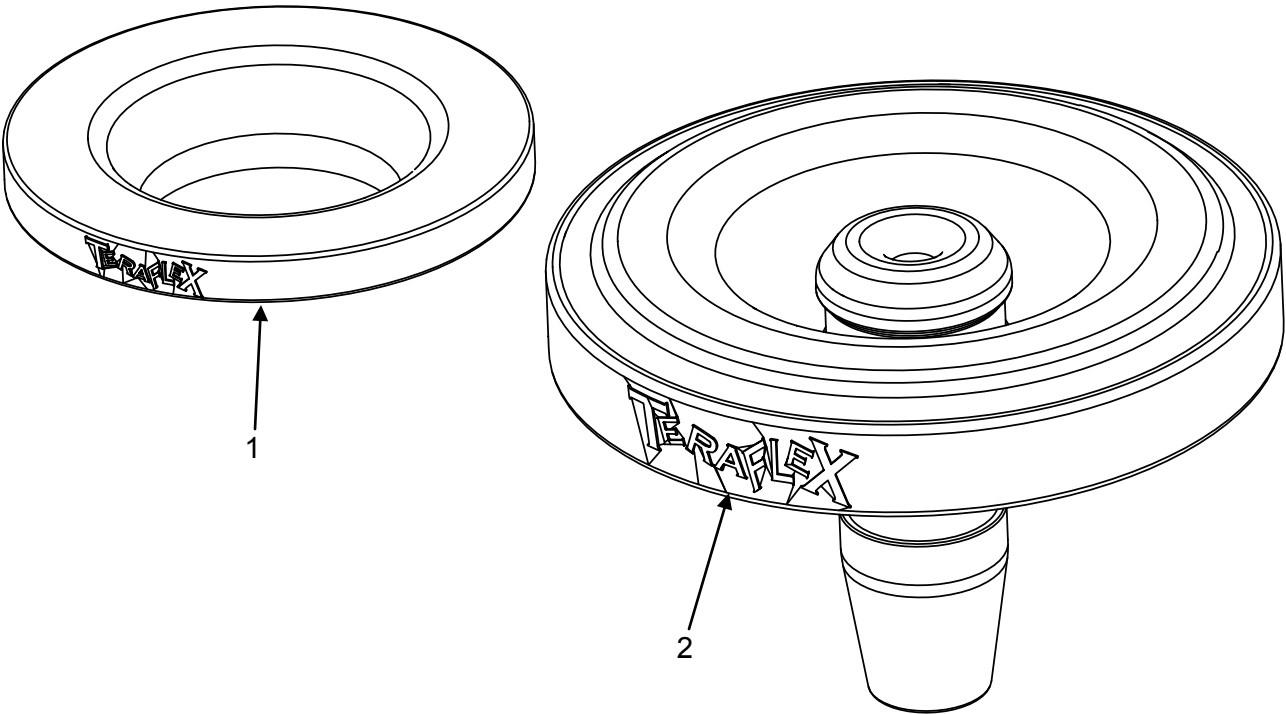
## Important Notes:

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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	

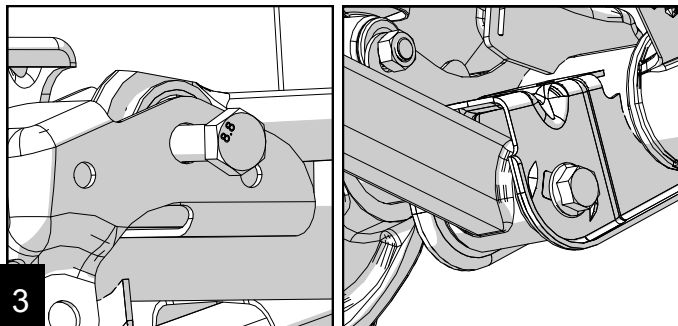
## FRONT SPRINGS

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.

1

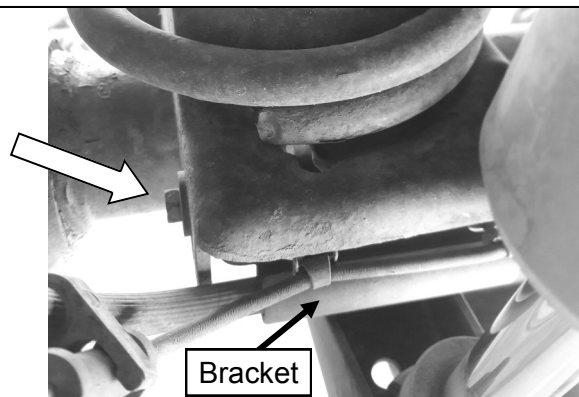
Remove the track bar at the axle with a 21mm. The nut is a flag nut. If replacing your Trackbar you can remove it now.  
(Refer to 999208 for Front Track Bar Removal)

Loosen all of the front control arm bolts (upper and lower) with a 21mm. **DO NOT REMOVE ARMS OR BOLTS.**



3

2011+ JK's have brake line retainers located under the spring perches. Use a 10mm to remove the retainer bracket from the axle.  
This portion of brake line will be getting replaced.

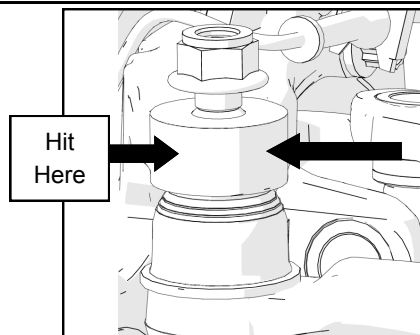


5

Bracket

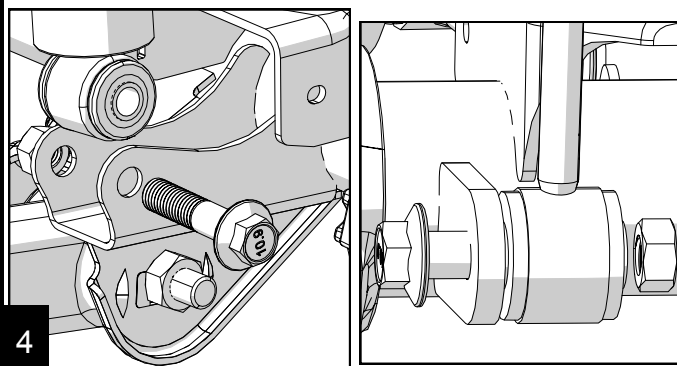
## Front Installation

Remove lower side of front driveshaft by removing (4) 15mm bolts and support it up out of the way with a bungee or strap. Loosen the nut on the drag link at the axle with a 21mm (see illustration below). Use an air hammer or hammer to tap on the steering knuckle to free the ball joint. Once free remove the nut and support drag link up out of the way.



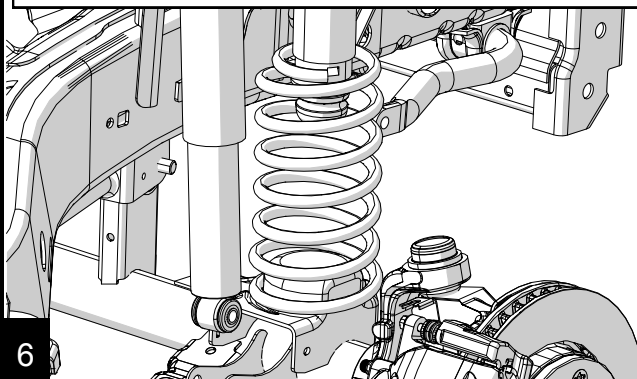
2

Remove the shocks at the axle with an 18mm wrench and socket. (Refer to your Shock/Removal Instructions)  
Remove the sway bar links with an 18mm wrench and socket at the axle. If you are replacing the links, remove completely.  
(Refer to Front Quick Disconnect/Removal, pg. 19)



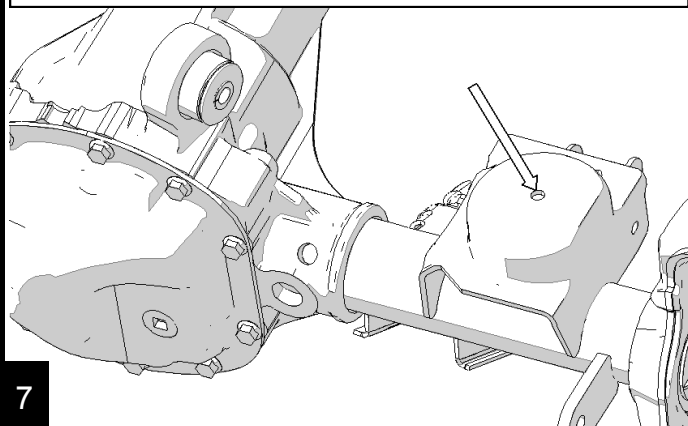
4

Lower the jack until the spring is free. Remove the coil springs and spring isolators. Be sure to watch the ABS, brake lines, breather tube and locker actuators/sensor harnesses, if your vehicle is equipped with them, that they are not over stretched and damaged.



6

**Drill Out Hole for SpeedBump Pad**  
Locate the center of the spring pad and drill a 3/8" hole for the SpeedBump pads.



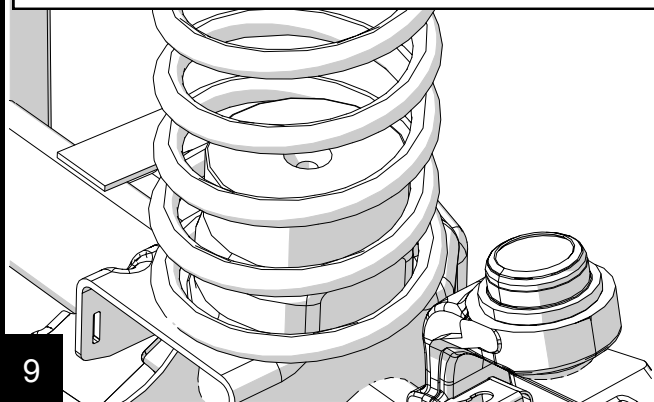
7

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



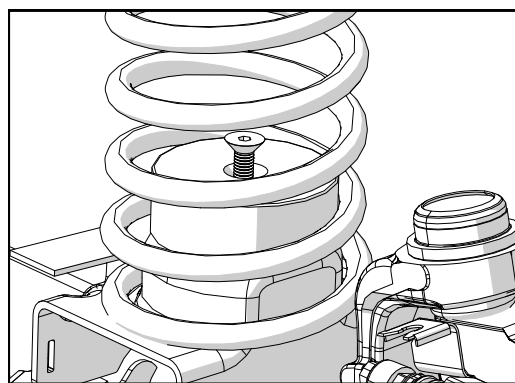
8

**Front Spring Install**  
Install new front springs. Slip the 1.25" SpeedBump Pad into the spring. Rotate the spring until they are fully seated.



9

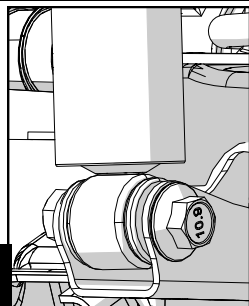
**SpeedBump Pad**  
Install the 3/8" x 2" (for 1 pad) or 3/8" x 3" (for 2 pads) Flat Head Allen Bolt through the SpeedBump Pad with the 3/8" Flanged Serrated Nut below the spring pad.



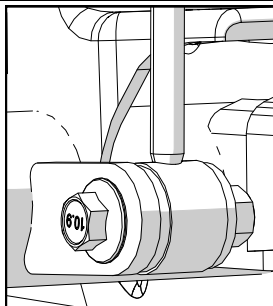
10

Raise the jack high enough to install the shocks (leave nuts/bolts finger tight). **Torque shocks after installing the Brake Line Anchors.**

Reinstall the sway bar links or install new links if supplied. (Refer to Swaybar Quick Disconnect Installation, pg. 19)  
**Torque top and bottom to 75 ft-lbs.**

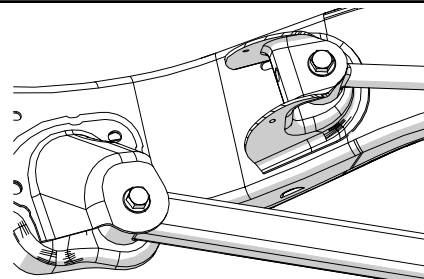


11



Now would be a great time to install the new front control arms and new trackbar, if needed. (Refer to control arm and trackbar instructions that came in your kit)

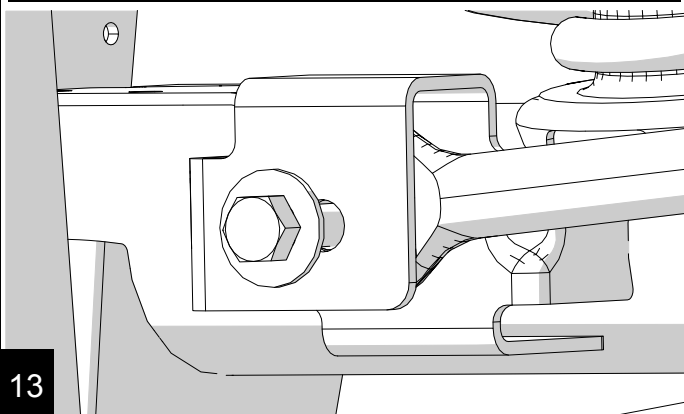
Once the vehicle is back on the ground,  
**torque upper control arm bolts to 75 ft-lbs. and lower control arm bolts to 125 ft-lbs.**



12

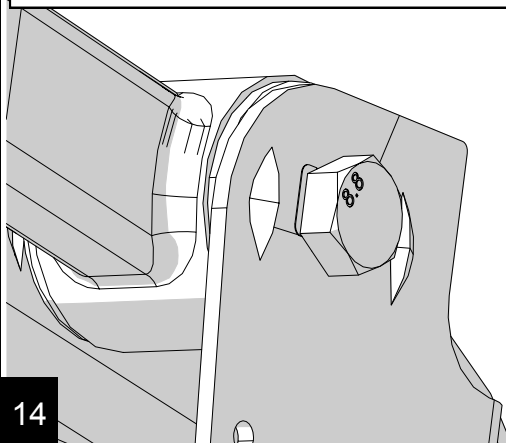
## REAR SPRINGS

Remove the rear track bar at the axle with a 21mm.  
The nut is a flag nut.



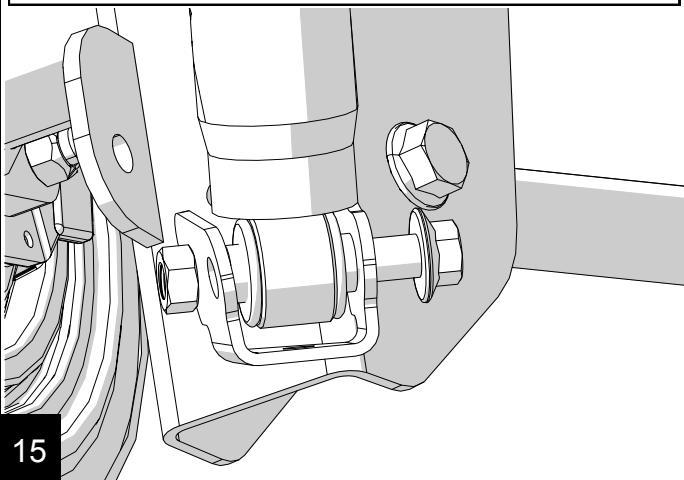
13

With a 21mm loosen all rear control arm bolts. DO NOT  
REMOVE ARMS OR BOLTS.  
Remove the rear swaybar link at the axle.



14

Remove the shock at the axle with an 18mm. (For Replacing  
the Rear Shocks, refer to 999207 Shocks/Rear/Removal)



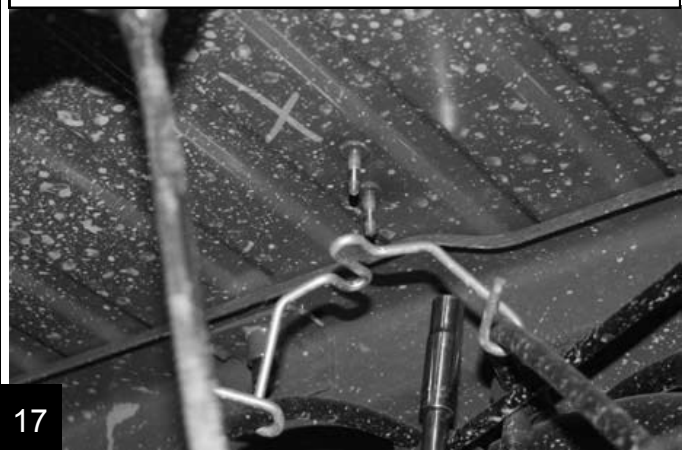
15

Remove the clips that secure the ABS wiring harness to the  
upper control arm mount.  
For Rubicon owners release the plastic retainer for the locker  
wiring harness.



16

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



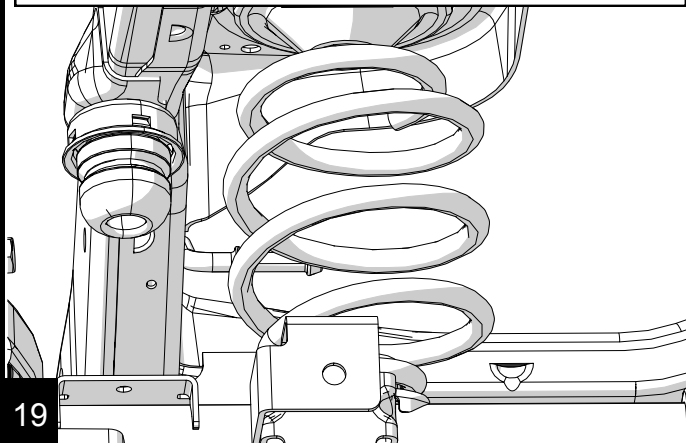
17

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



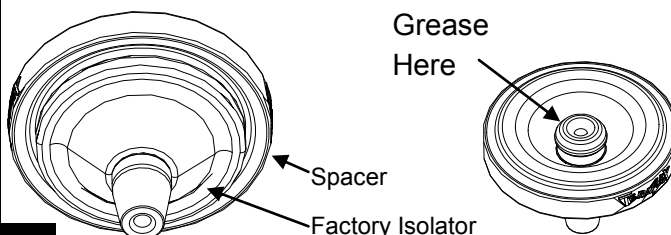
18

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.



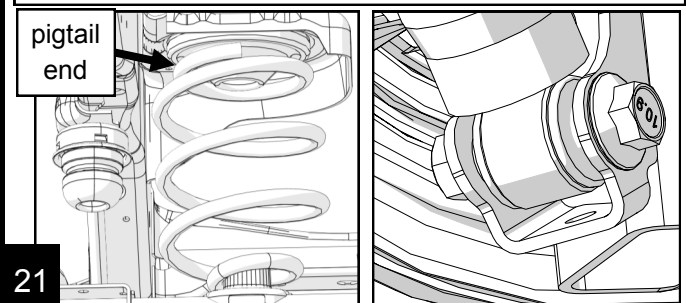
Remove the factory isolator from the upper spring perch and install it onto the new rear spring spacers.

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.



Hint: Now would be a great time to install your new rear shocks. (Refer to your Shock Installation)

Install the new springs. Note: The upper pigtail end needs to be all the way to the rear of the Jeep. Raise the axle high enough to reinstall the lower shock bolts. Torque the axle side bolts to 56 ft-lbs.



Next install from you kit:

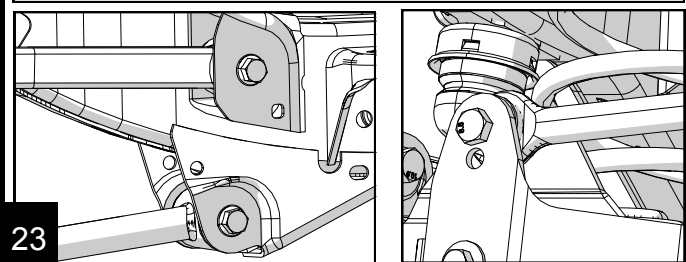
- A. The Rear Axle Track Bar Bracket, pg. 15
- B. Rear Control Arms (Refer to Control Arm Instructions from your kit)
- C. Rear Swaybar Links, pg. 12
- D. Front and Rear Extended Brake Lines, pg. 22
- E. Front Brake Line Anchors, pg. 27
- F. Rear Lower Spring Retainers, pg. 29

**\*\*After the alignment has been completed install the Rear Bumpstops Extensions, pg. 32.**

22

Recheck every bolt for torque (the only ones that should still be loose are the Front and Rear Control Arm Bolts and perhaps the Trackbar Bolts if they didn't line up and need to be installed on the ground (refer to tip on pg. 18 step 8).

Install wheels and tires and torque to 95-115 ft-lbs.  
Lower the Jeep to the ground.



**Torque rear control arm bolts to 125 ft-lbs.**  
**Torque front lower control arm bolts to 125 ft-lbs.**  
**Torque front upper control arm bolts to 75 ft-lbs.**  
**Torque all trackbar bolts to 125 ft-lbs.**

To avoid excessive tire wear an alignment is necessary.

*Don't forget to install the rear bumpstop extensions after the alignment Install the.*

Re-torque bolts after the first 100-300 miles.

24



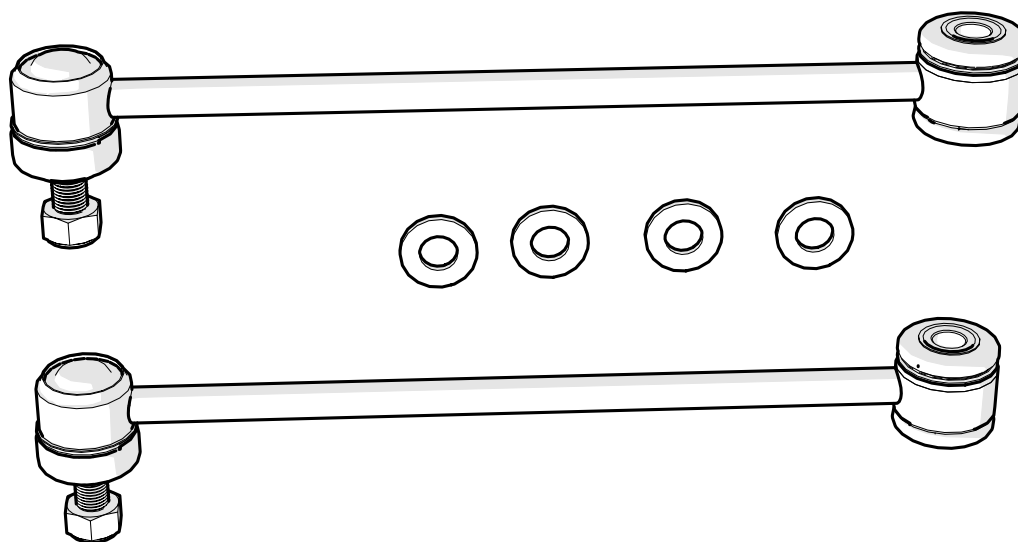
## JK Rear Swivel Stud Sway Bar Link Kit

[www.teraflex.com](http://www.teraflex.com)

Kit #1744500 (for 2.5")

Kit #1754500 (for 3" - 4")

Kit #1754410 (for 6")



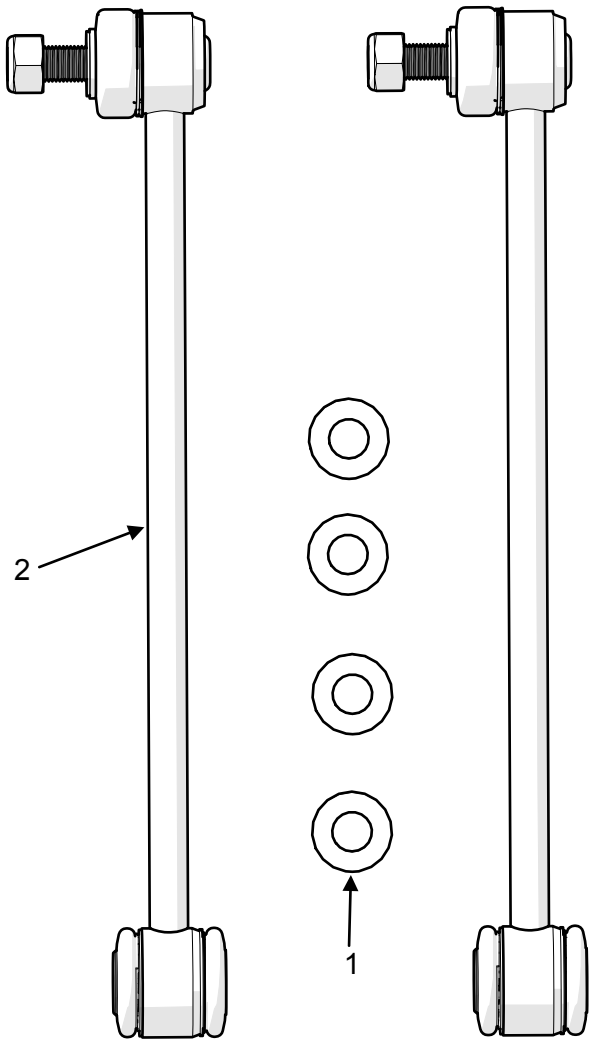
### Important Notes:

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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

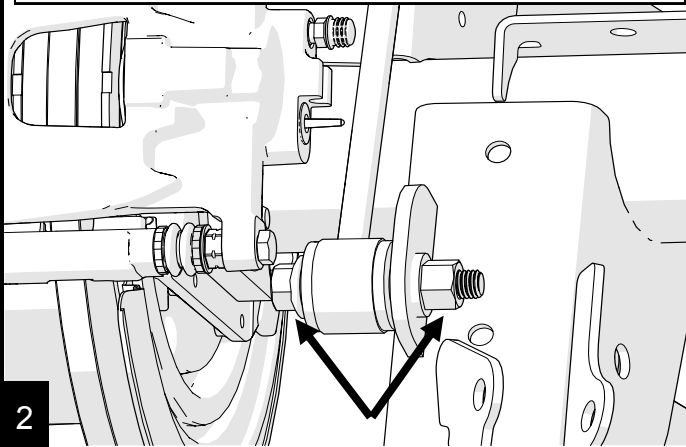


Parts List			
Item Number	Part Number	Description	Quantity
1	37	Washer 1/2" Flat Zinc Plated	4
2	744500	Sway Bar Link Rear 10.75" w/ Swivel Stud	2
	754500	Sway Bar Link Rear 12.25" w/ Swivel Stud	
	754420	Sway Bar Link Rear 14.75" w/ Swivel Stud	

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.

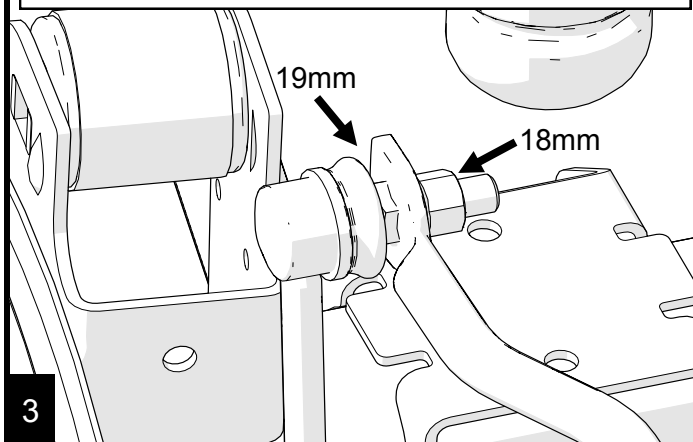
1

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



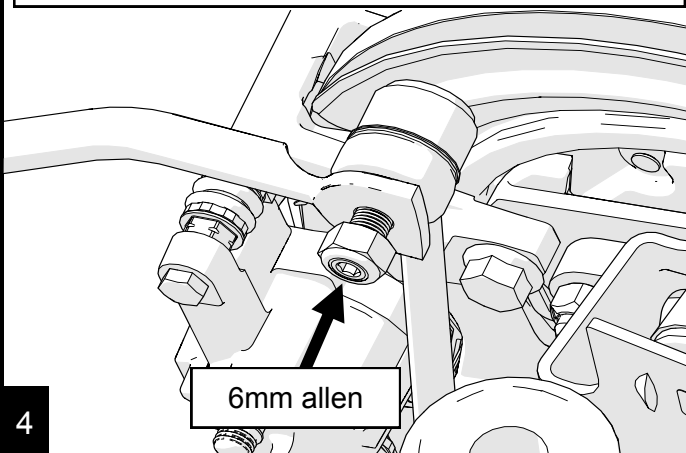
2

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



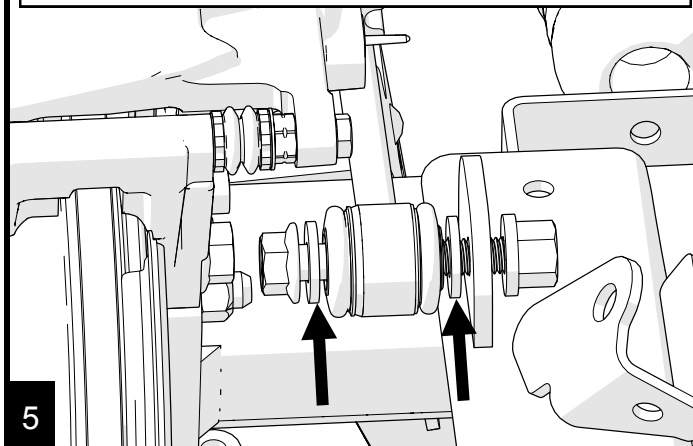
3

Install the swivel end of the link into the sway bar from the outside. Install the new lock nut using the 19mm end wrench and the 6mm allen wrench. **Torque to 59 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. Remove supports, lower to the ground and remove the chocks.

6

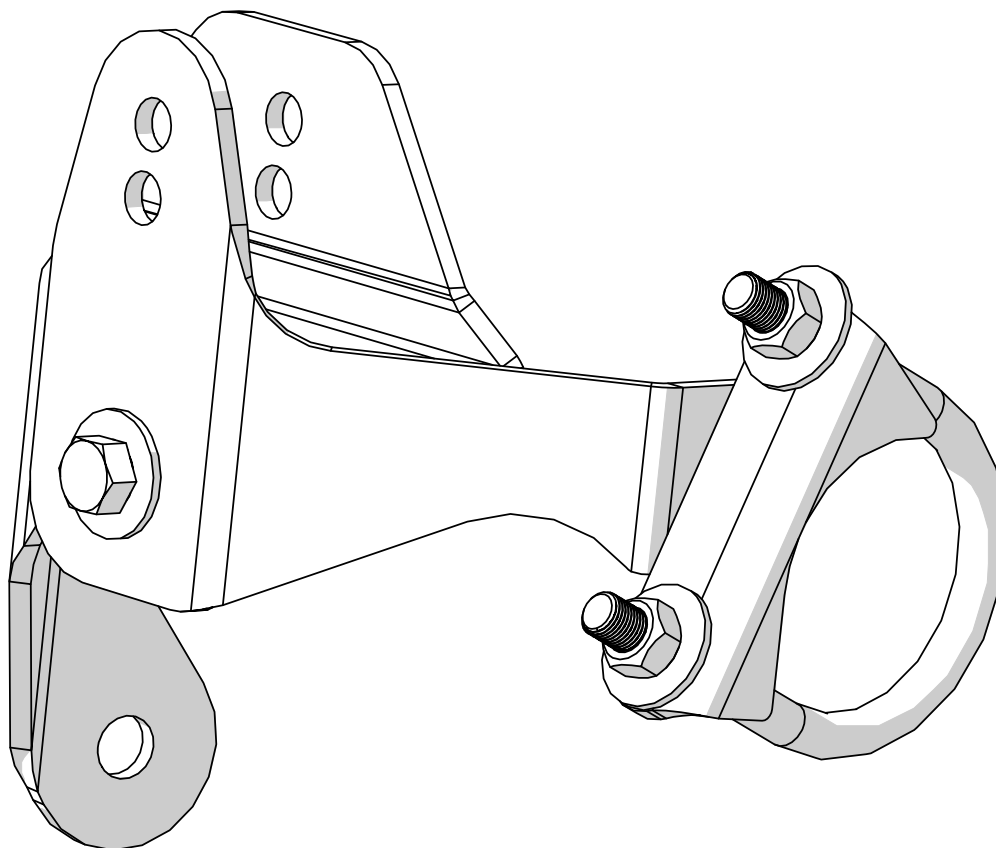


# JK Rear Axle Track Bar Bracket

[www.teraflex.com](http://www.teraflex.com)

Kit #1954776 for 2.5" lift

Kit #1954777 for 3"-6" lift



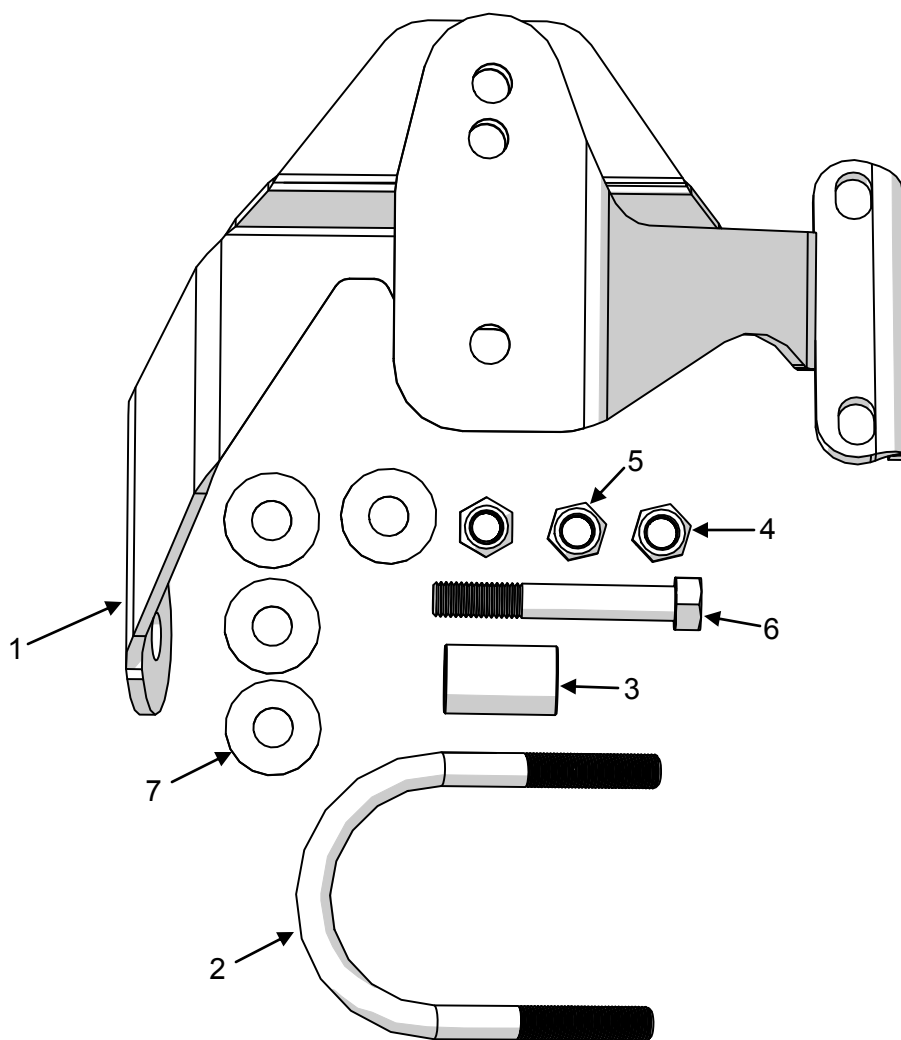
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## Tools needed:

- This installation guide
- Basic mechanics tool set



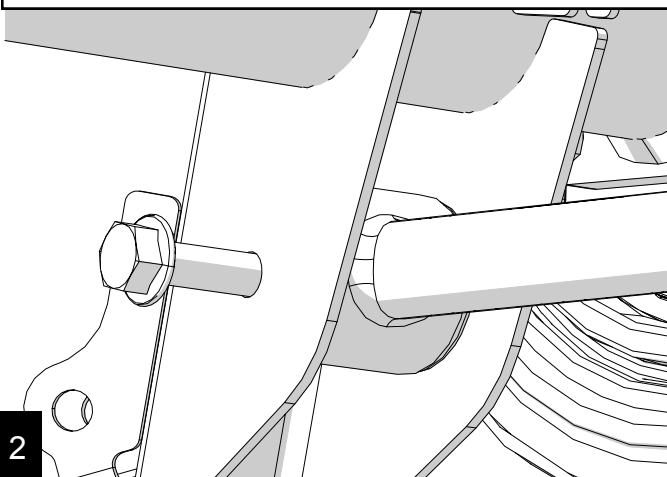
Parts List			
Item Number	Part Number	Description	Quantity
1	954776	JK Rear Trackbar Bracket 2.5"	1
	954777	JK Rear Trackbar Bracket 3"-6"	
2	97732	Bracket U-Bolt	1
3	600513	Spacer Sleeve	1
4	214	Nut 1/2"-13 Stover Locknut	1
5	215	Nut 1/2"-20 Stover Locknut	2
6	242	Bolt 1/2"-13x3.5" Hex Head	1
7	37	Washer 1/2" Flat	4

## REMOVAL

Properly raise and support the vehicle. Refer to the factory service manual for proper support locations. Remove the left tire.

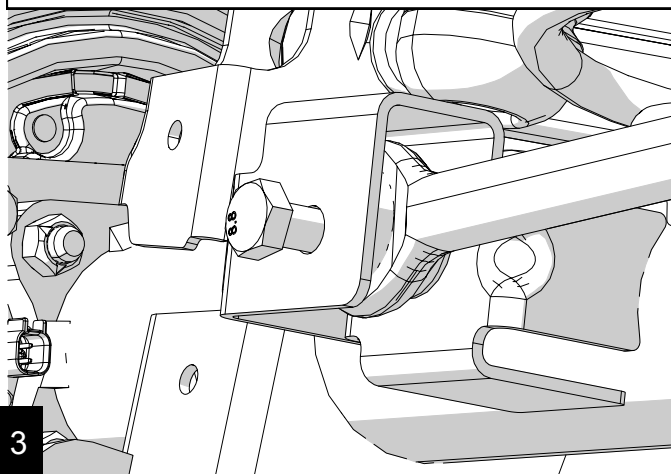
1

Remove the left lower control arm bolt at the axle end with a 21mm.



2

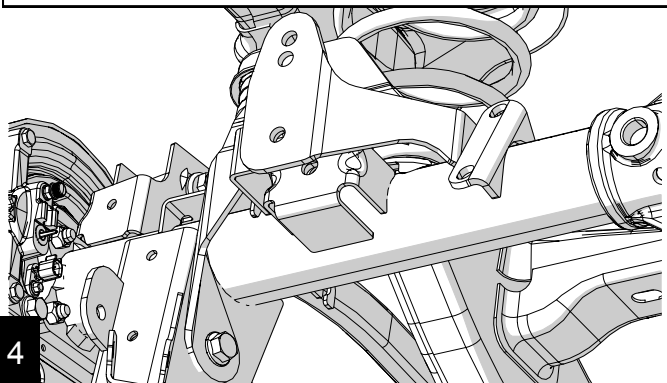
Remove the trackbar from the axle bracket with a 21mm. The nut is a flag nut.



3

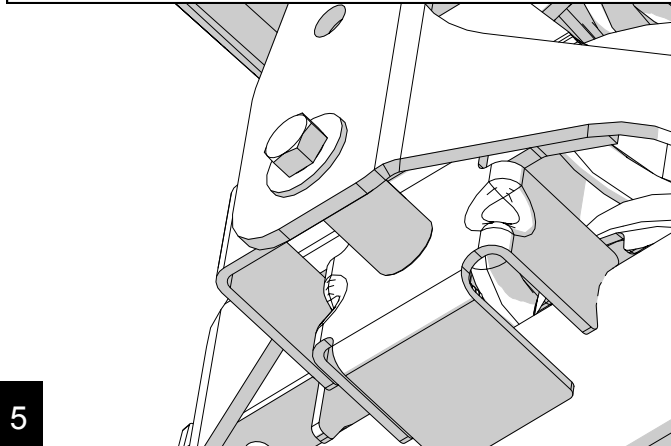
## INSTALLATION

Position the TeraFlex bracket so it installs over the factory bracket and lines up with the lower control arm bolt. Reinstall the control arm bolt finger tight.



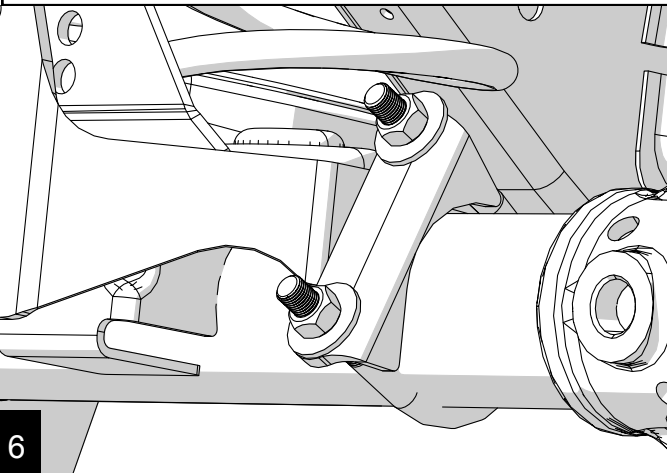
4

Use the provided sleeve as a spacer and install the 1/2"x3.5" bracket bolt with washers on either side and a locknut. Torque to 75 ft-lbs.



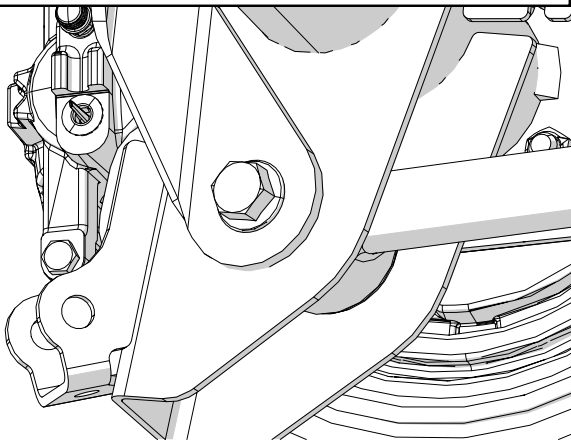
5

Install the u-bolt around the axle and into the bracket. Torque the nuts to 85 ft-lbs.



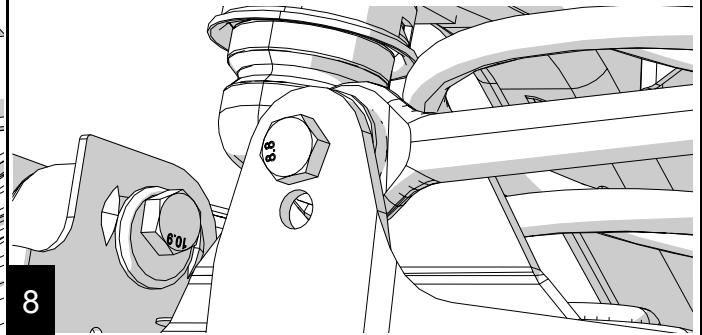
6

Reinstall the left lower control arm bolt through the bracket and control arm bracket. Tighten once the Jeep is back on the ground. **Torque 125 ft-lbs.**



Reinstall the trackbar into the bracket using the upper hole and the factory hardware.  
Hint: If holes do not line up wait until the Jeep is back on the ground and have someone push on the body to help align the bolt holes.

**Torque to 125 ft-lbs.**





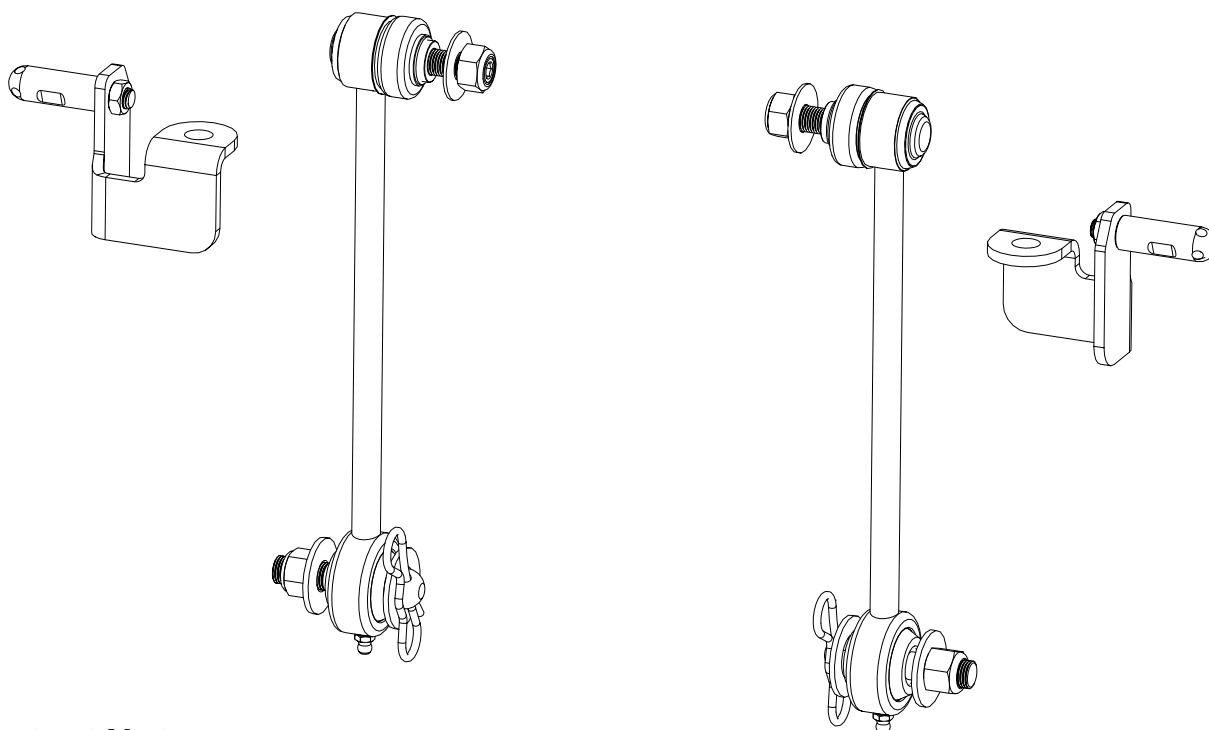
## JK FRONT SWAY BAR QUICK DISCONNECTS

[www.teraflex.com](http://www.teraflex.com)

#1753000

#1753010

#1756000



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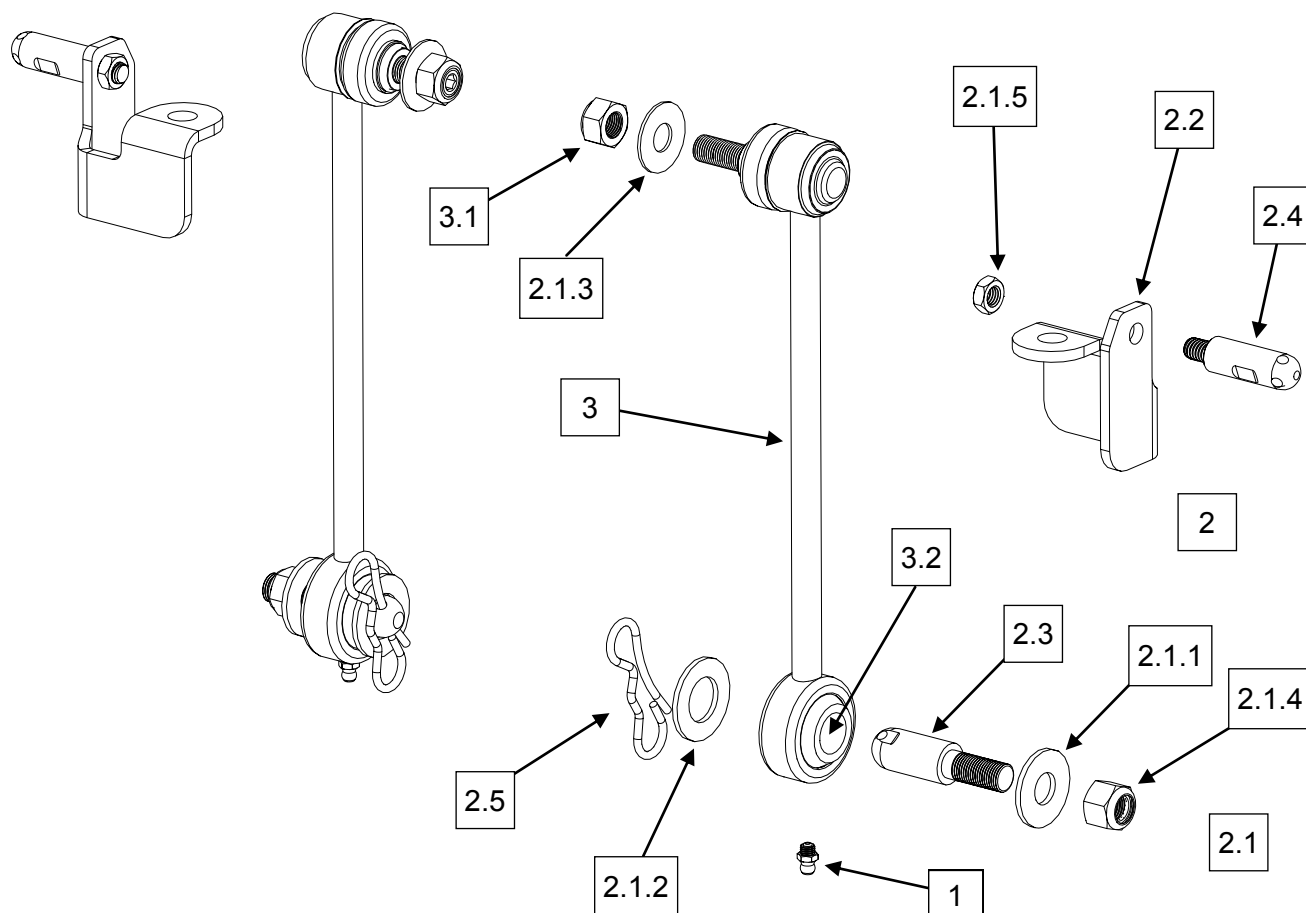
### Tools needed:

- Basic Mechanic's Tool Set
- Thread Locking Compound



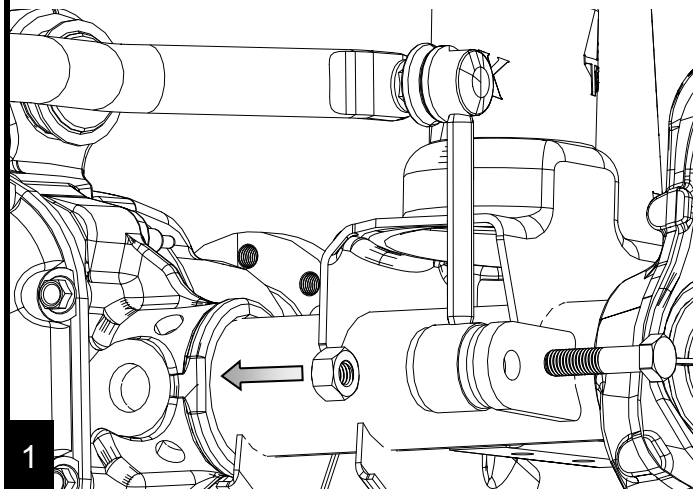
Scan to  
watch the  
video!





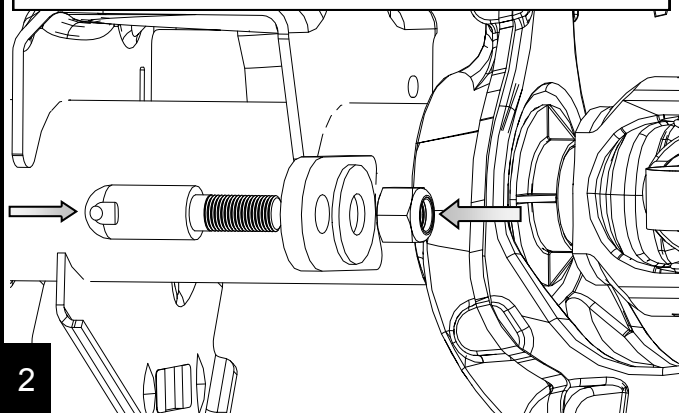
Item Number	Part Number	Description	Qty
1	308	Grease Zerk 1/4"-28 UNF Straight	2
2	600093	Hardware JK Quick Disconnect	1
2.1	5021	Hardware Pack for JK Quick Disconnect	1
2.1.1	37	Washer 1/2" Flat Zinc Plated	2
2.1.2	3801	Washer 3/4" Flat Zinc Plated for QD Link Pin	2
2.1.3	477	Washer 7/16" Flat Stainless Steel	2
2.1.4	488	Nut 1/2"-20 UNF Nylock Nut Stainless	2
2.1.5	73	Nut 3/8"-16 UNC Thin Jam Nut	2
2.2	600277	JK Quick Disconnect Retainer Bracket	2
2.3	600499	Universal 3/4" Diameter Axle Side Quick Disconnect Stud	2
2.4	600503	5/8" Diameter Upper Quick Disconnect Parking Stud	2
2.5	600504	Quick Disconnect Bow Tie Pin	2
3	753005 -or- 753006 -or- 753020	JK 3-4" Front Quick Disconnect Swaybar Link w/ Upper Swivel Stud JK 0-3" Front Quick Disconnect Swaybar Link w/ Upper Swivel Stud JK 6" Front Quick Disconnect Swaybar Link w/ Upper Swivel Stud	2
3.1	44	Nut M12 x1.25 Zinc-Plated Nylock Nut for Swivel Stud	2
3.2	600498	Quick Disconnect Bushing Ball	2

Remove the factory sway bar link with an 18mm.



1

Insert lower stud 600499 into axle bracket as shown. Place washer 37 and nylock nut 488 onto the lower stud.  
Note: The stud is stainless steel and the threads are soft. Take care to not over tighten the nut. **Torque to 59 ft-lbs.**

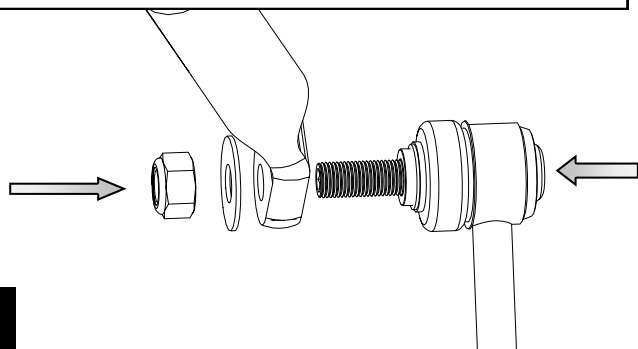


2

Insert the upper stud of the quick disconnect sway bar linkage into the factory sway bar. Place washer 477 and nylock nut 44 onto the stud.

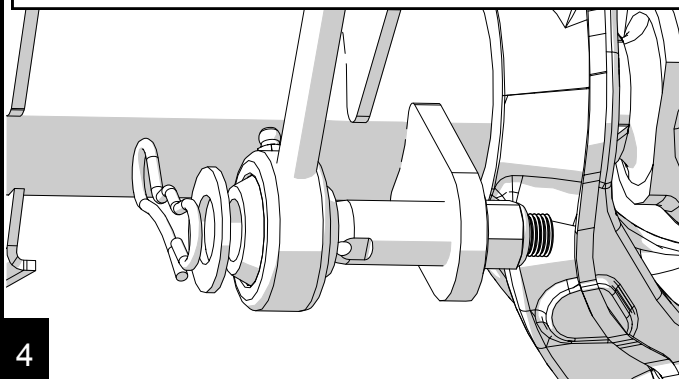
Use a 6mm allen to hold the stud, tighten down the nut with a 18mm wrench.

**Torque nylock nut to 59 ft-lbs.**



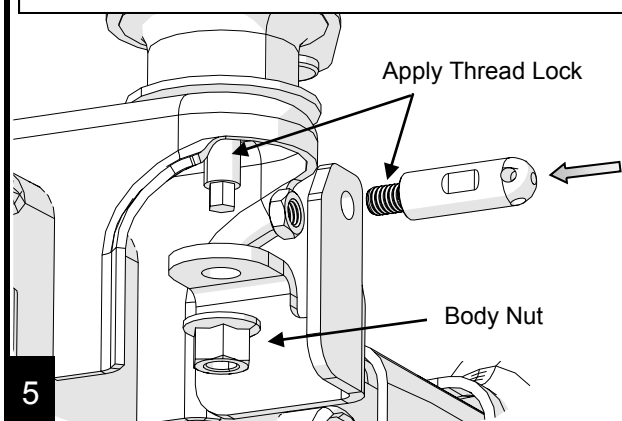
3

Slide the lower end of sway bar link onto the stud installed in Step 3. Place washer 3801 on stud and insert Bow Tie Pin.  
Note: This should be a tight fit for better sway bar function. Applying a bit of grease to the stud and bushing will help with install.



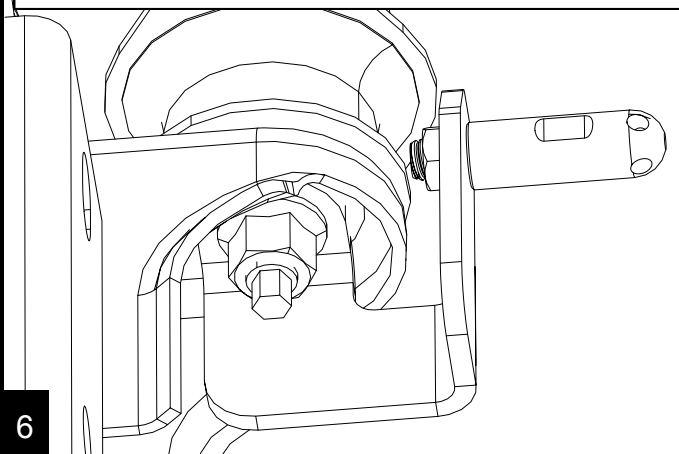
4

Remove the front body mount nut from the stud and slide on retaining bracket 600277. Reinstall the body nut. Next insert stud 600503 into retaining bracket and install jam nut 73.



5

**Torque the body mount to 80 ft-lb and jam nut to 59 ft-lb.**  
Repeat Steps 1 through 6 for the other side.



6

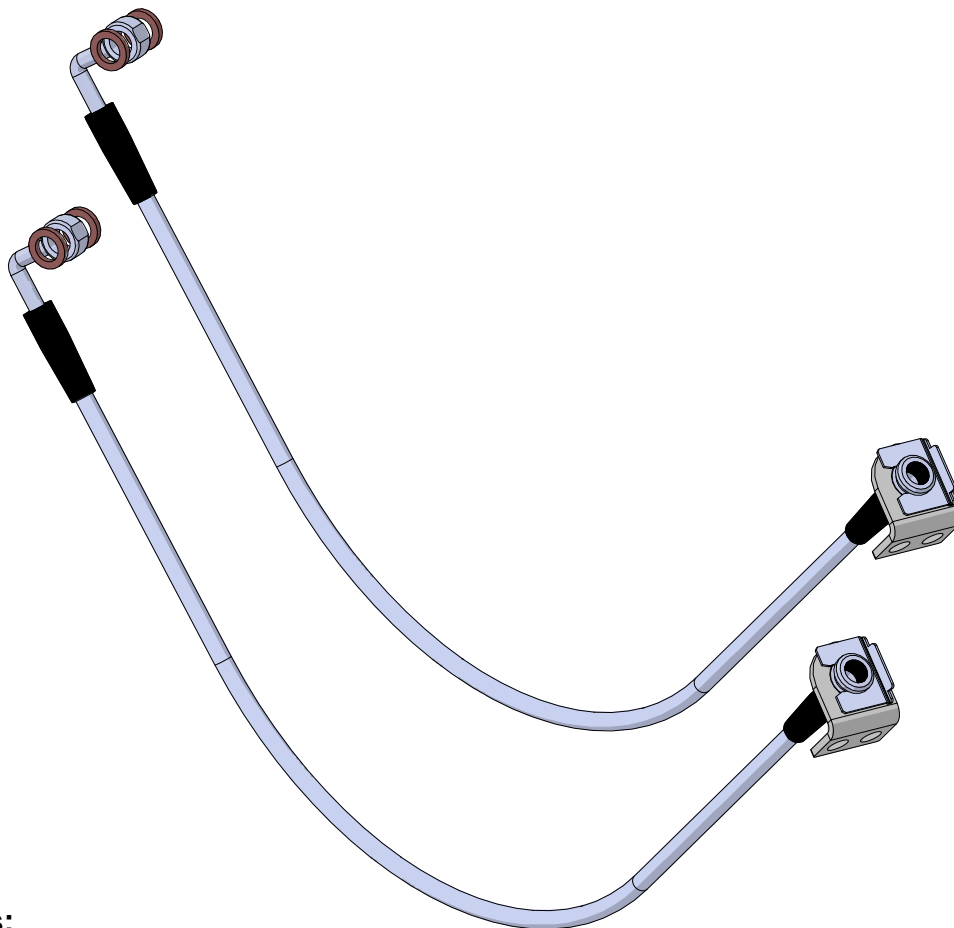


## JK Extended Brake Lines

[www.teraflex.com](http://www.teraflex.com)

Kit #4353310– Front Lines Only

Kit #4350310– Rear Line Only



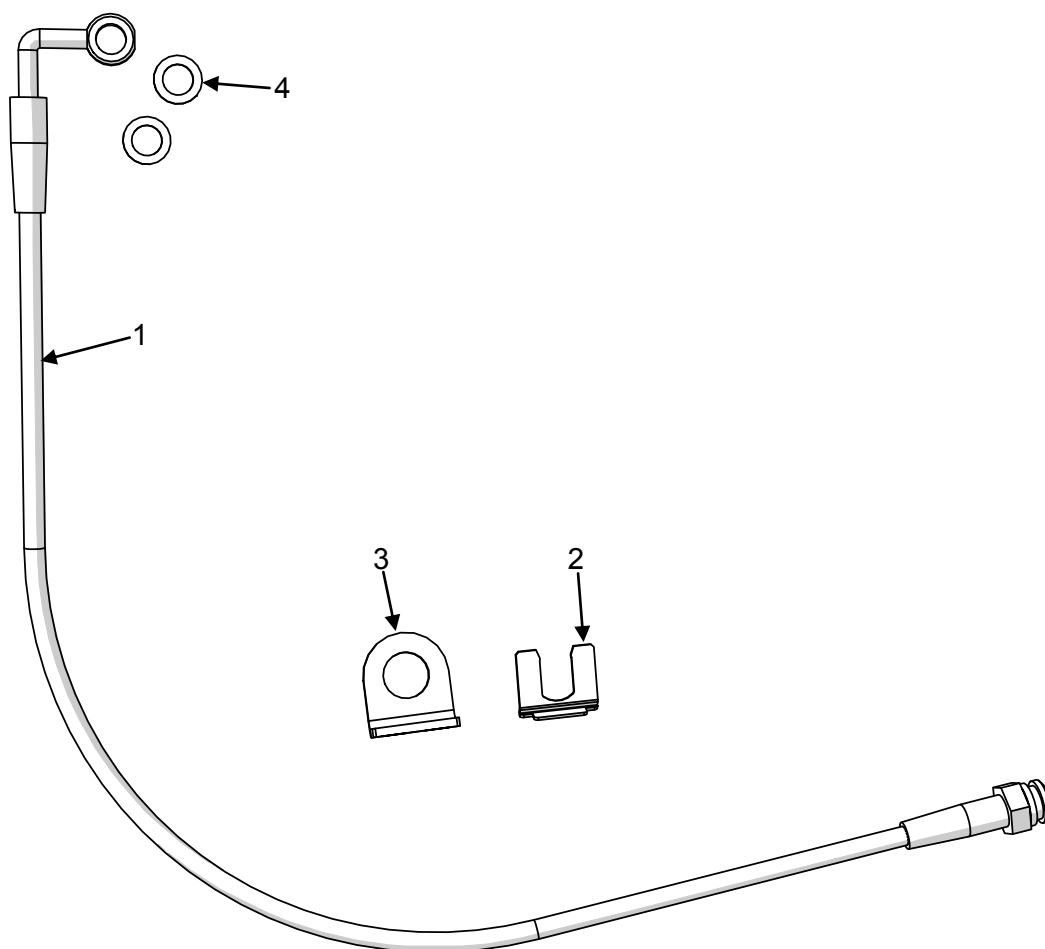
### Important Notes:

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 - 4353310 JK Extended Front Brake Lines

Item Number	Part Number	Description	Quantity
1	4353300	Brake Line Front Pair 26" w/ 90 Degree	2
2	600441	L-Bracket Brake Line Retaining Clip	2
3	8621	L-Bracket Brake Line Frame Mount	2
4	86291	Washer 3/8" Copper Banjo Bolt Washer	4

Parts List - 4350310 JK Extended Rear Brake Lines

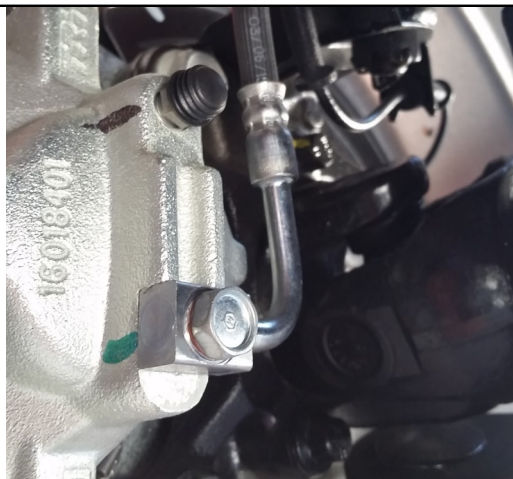
Item Number	Part Number	Description	Quantity
1	4353300	Brake Line Rear Pair 30" w/ 90 Degree	2
2	600441	L-Bracket Brake Line Retaining Clip	2
3	8621	L-Bracket Brake Line Frame Mount	2
4	86291	Washer 3/8" Copper Banjo Bolt Washer	4

## FRONT REMOVAL

Park the vehicle on a level surface and set the parking brake. This installation can be done with the vehicle on the ground. Turn the tires to gain better access to brake components. Separate the ABS line from the brake line.

1

Remove the banjo bolt from the caliper with a 9/16". Use a pan to catch the released fluid.



2

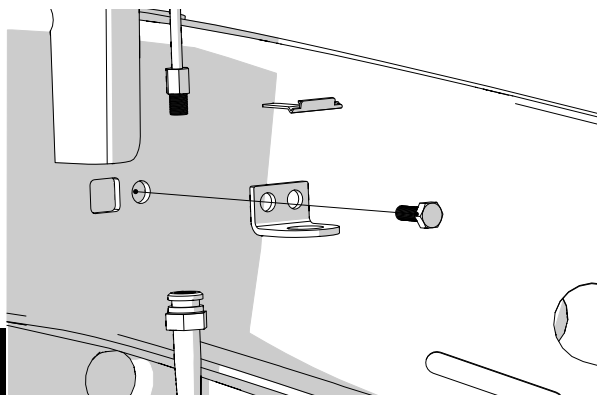
Remove the soft line from the hard line with a 12mm then remove the brake line from the frame with a 10mm.



3

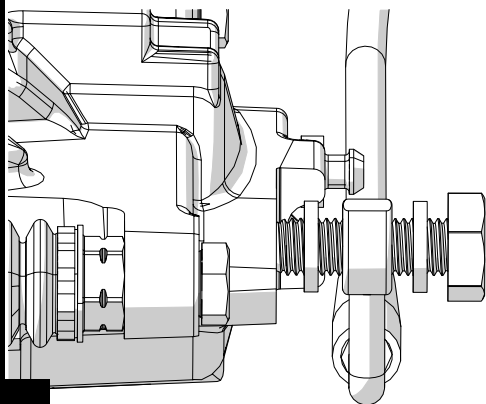
## FRONT INSTALLATION

Mount the new L bracket to the frame with the original bolt. Insert the new line through the bracket. Hand tighten the hard line into the new line.



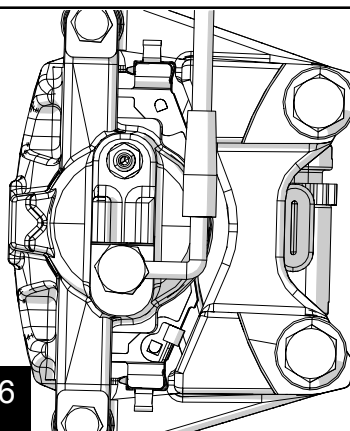
4

Place a new copper washer on the banjo bolt and insert through the end of the brake line. Place another copper washer between the fitting and the caliper.

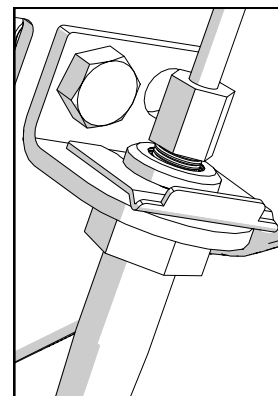


5

Orient the line as shown on the caliper.  
Torque banjo bolt to 23 ft-lbs.  
Torque the hard line to 14 ft-lbs. Install the retainer clip.



6



## 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.

7

Remove the banjo bolt from the caliper with a 9/16". Use a pan to catch the released fluid.



8

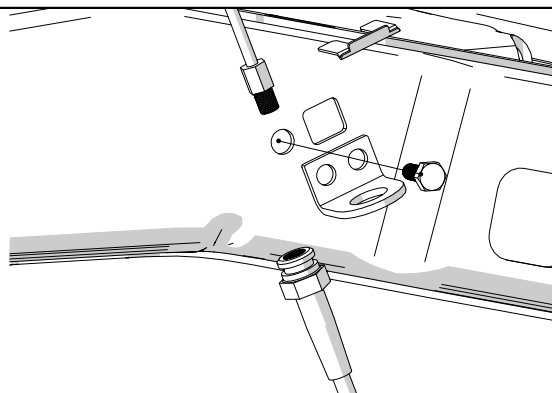
Remove the brake line from the hard line with a 12mm. Remove the line from the frame with a 10mm.



9

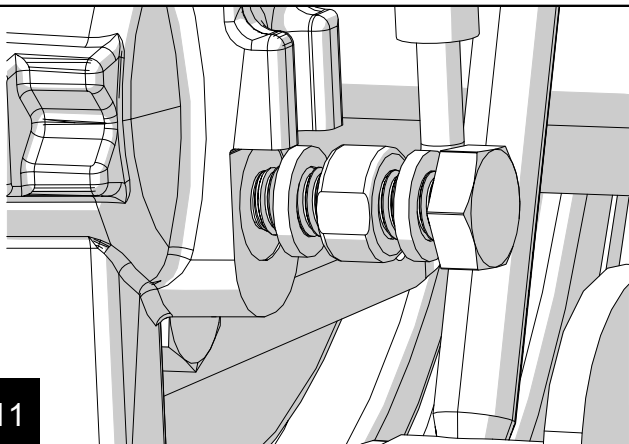
## REAR INSTALLATION

Install the new L bracket onto the frame with the original bolt. Insert the new line through the bracket. Hand tighten the hard line into the new line.



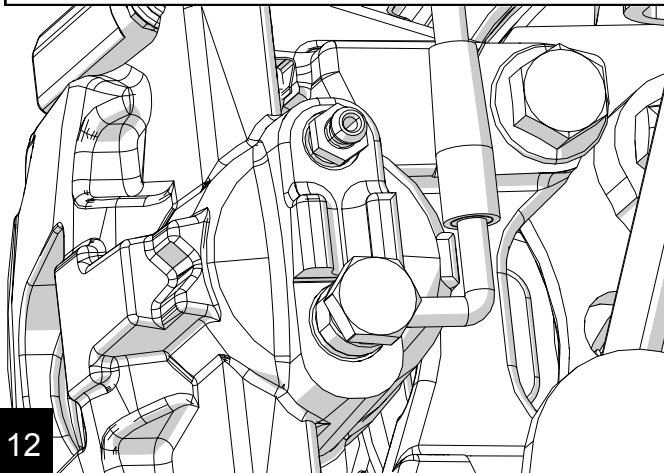
10

Place a new copper washer on the banjo bolt and insert through the end of the brake line. Place another copper washer between the fitting and the caliper.



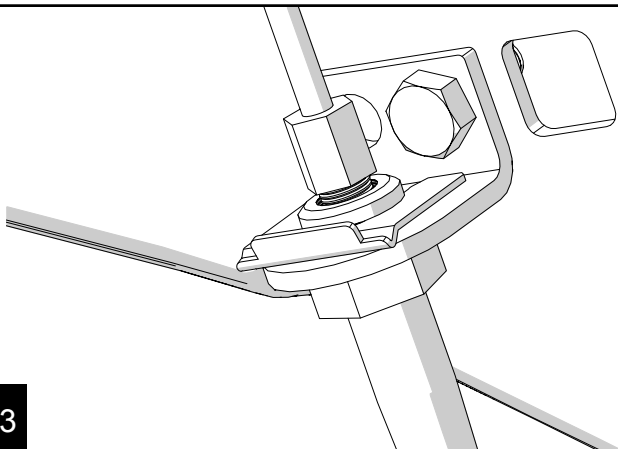
11

Orient the line as shown on the caliper. Torque banjo bolt to 23 ft-lbs.



12

Be sure that the new brake line will not rub the tire or other components as the suspension cycles. Torque hard line connection to 14 ft-lbs. Install the retainer clip.



13

Attach rear brake lines to swaybar link and make sure the brake lines will not snag on any components as the suspension cycles and steering moves. Torque hard line connection fitting to 14 ft-lbs and install the retainer clip. If only replacing front lines, bleed brakes according to standard procedure.



14

Bleed the brakes according to standard procedure. Starting with the rear right tire, the right to left, back to front.

15



## Universal Brake Line Anchor Kit

[www.teraflex.com](http://www.teraflex.com)

**Kit # 1101255 Universal Brake Line Anchor, 5" Long with .50" Bolt Hole**



### 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.

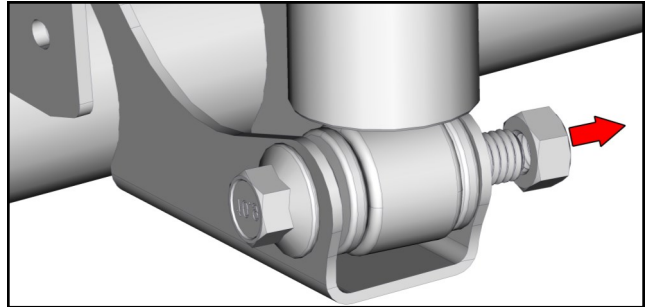
### Tools needed:

- 18mm Wrench and Socket or *Two 18mm Wrenches*
- Ratchet (for the socket)
- Cutting Plier or Wire Cutter
- Large Flat Head Screwdriver or Pry Bar

Start by turning the wheel so that the side being worked on is easy to access. Next zip tie the ABS and brake lines together so the lines are uniform and are equal length.



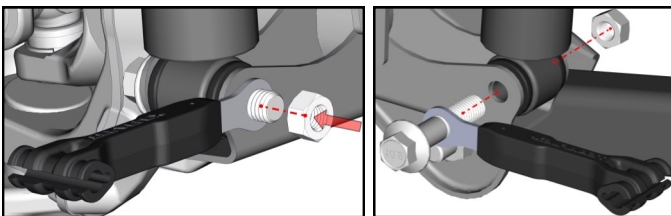
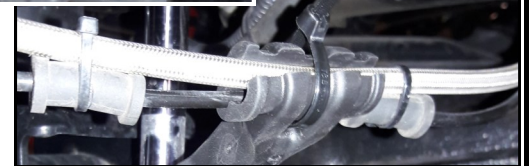
The Rubber Brake Line Anchor can be mounted in a couple of different ways using the bottom shock mount bolt. Both ways will start by removing the shock mount nut.



The first way is to mount the anchor directly under the shock mount nut. This is the easiest way but if your lines are stiff or length is an issue it might be better to remove the shock mount bolt to install the anchor on the other side of the shock mount.

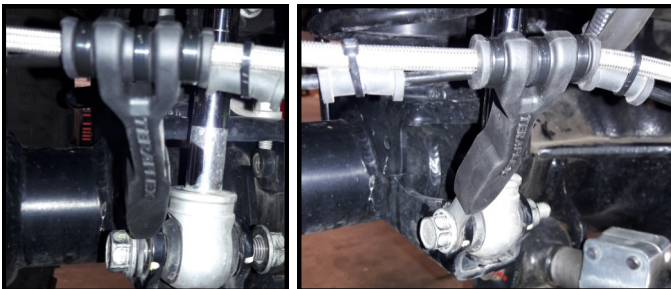
**Notes:** Use a large screwdriver or pry bar under the shock to help remove/install shock mount bolt. Do not tighten the shock mount bolt yet.

Once the anchor is installed then install the ABS line into the anchor followed by the brake line. (see picture) Next, loosely install a heavy duty zip tie. Inspect the lines and adjust the line positions as needed.



We installed the lines so that the anchor was pulled slightly toward the tire as it was turned out. This was to help the lines stay clear of the tire when it is turned the opposite way. Loosely install the rest of the zip ties and snug down the shock bolt. Repeat steps for the other side.

Test the position of the lines and anchor by turning the wheel from lock to lock and articulating the axle. With the shock bolt only snug the anchor can be rotated to help find the best angle. **Note:** *\*Watch the anchor for clearance from the shock body.\** Once the best position is found, that keeps the brake lines safe from snags or damage, tighten and trim the zip ties and **torque the shock bolt to 56 ft-lbs.**





## JK Rear Lower Spring Retainer

[www.teraflex.com](http://www.teraflex.com)



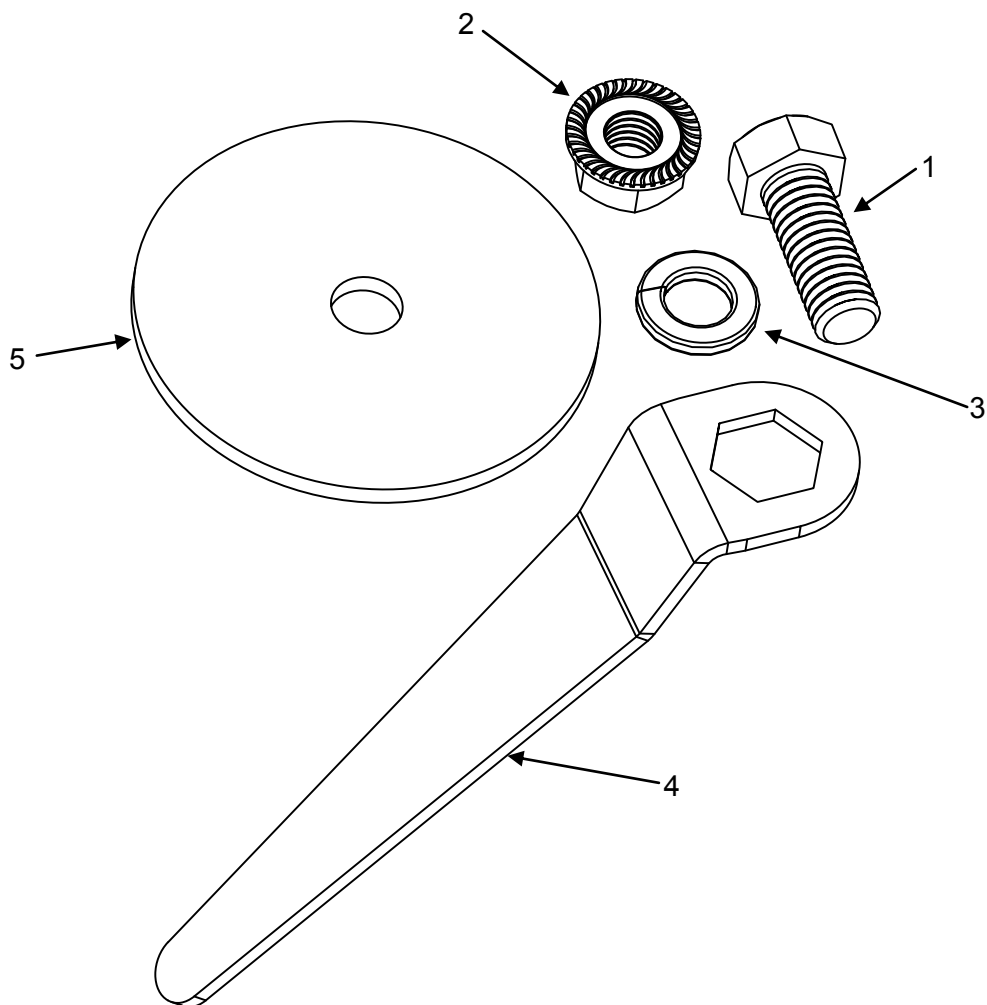
### Important Notes:

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 #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)

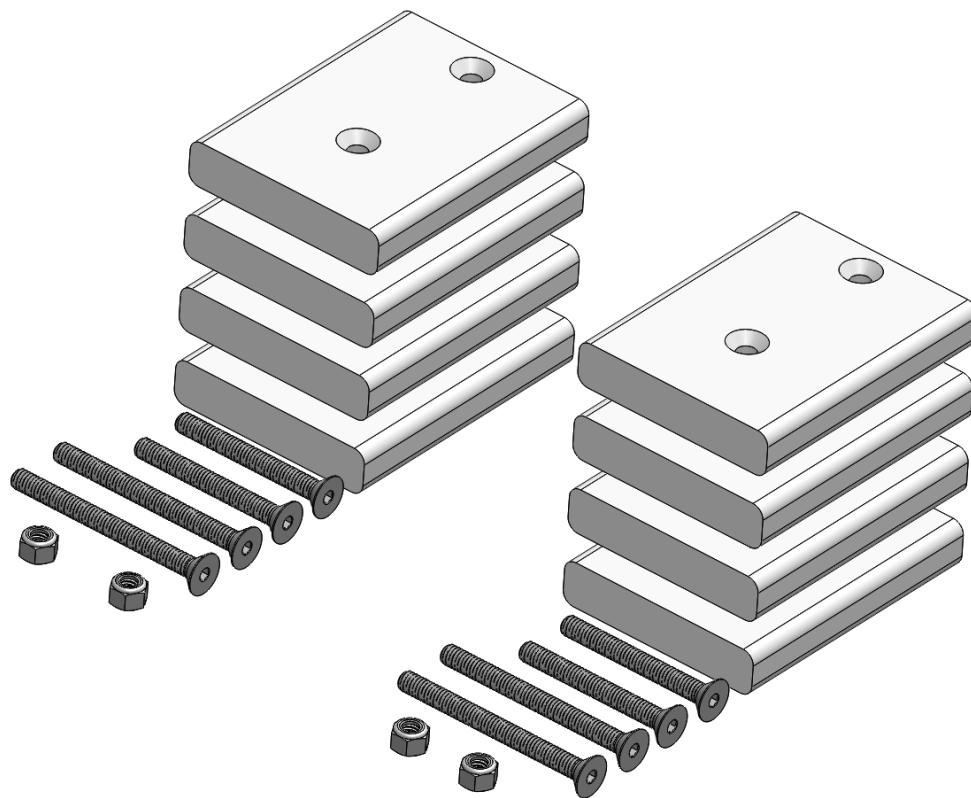
5



# JK Rear Bumpstop Extensions

[www.teraflex.com](http://www.teraflex.com)

## #1954615 JK Rear Lower Modular Bumpstop Kit



### Important Notes:

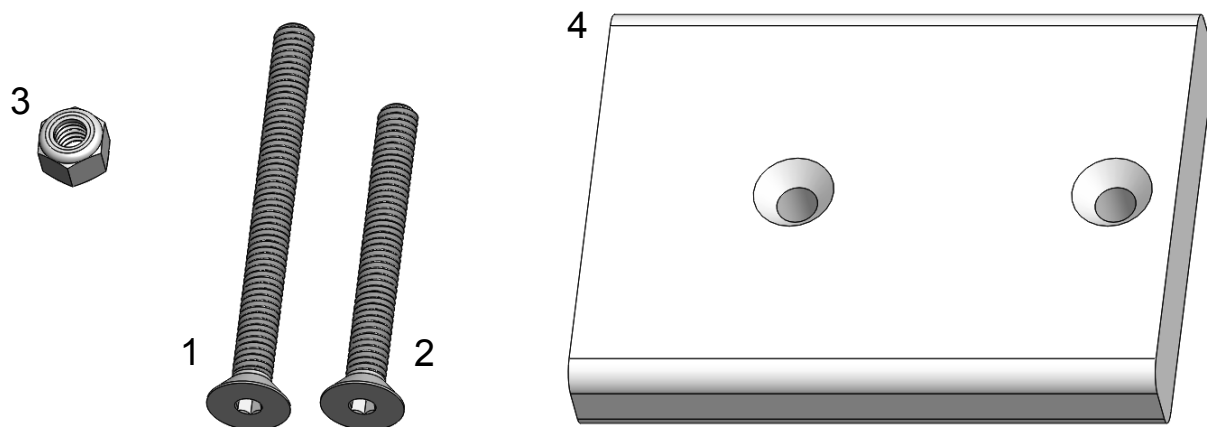
Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

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.

It is recommended to install this kit last and after an alignment has been done because it blocks the removal the axle side bolts of the rear upper control arms. If this kit is installed before new upper control arms are installed, or if an adjustment needs to be done to the rear upper control arms for an alignment, the Bumpstop Extension will need to be removed.

### Tools needed:

- This installation guide
- Basic mechanics tool set



### Parts List- Kit #1954615

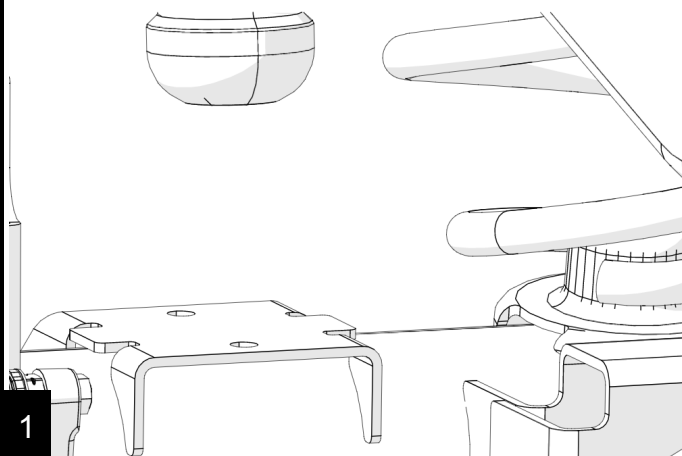
Item #	Part No.	Description	Qty.
1	1000	Bolt, 5/16" -18 x 3.5" Hex Drive Zinc Alloy Steel Flat Socket Cap Screw	4
2	1123	Bolt, 5/16" -18 x 2.75" Hex Drive Zinc Alloy Steel Flat Socket Cap Screw	4
3	630	Nut 5/16"-18 UNC Nylock Zinc Plated	4
4	954600	JK Rear Lower 3/4" Tall Bumpstop Spacer	8

It is recommended to install this kit last and after an alignment has been done because it blocks the removal of the axle side bolts of the rear upper control arms. If this kit is installed before new upper control arms are installed, or if an adjustment needs to be done to the rear upper control arms for an alignment, the Bumpstop Extension will need to be removed.

This install can be done with the Jeep on the ground and the wheels installed.

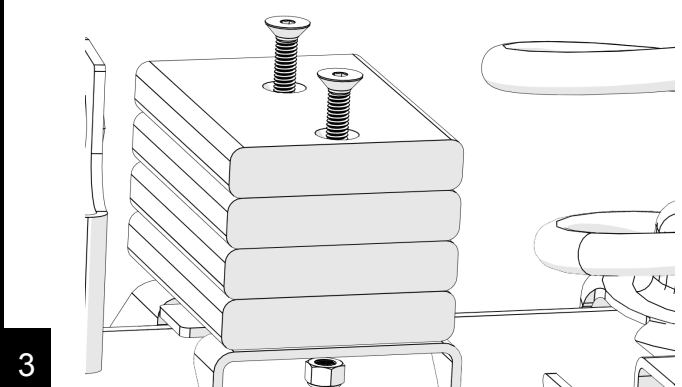
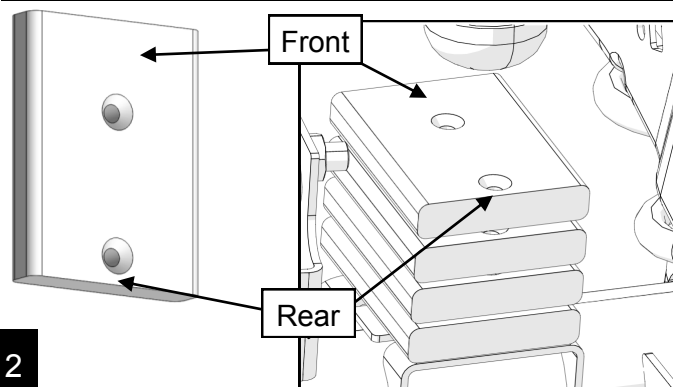
If you choose to lift the Jeep for ease of access refer to the factory service manual for lifting locations.

The JK Rear Lower Modular Bumpstop Kit will be installed on top of the factory bumpstop pad.



Stack 3 or 4 spacer pads (depending on your shock choice) onto the rear axle bumpstop pads. Note the orientation of the spacer (smaller gap to the rear and larger gap to the front).

Install two 5/16" x 3.5" (for 4 pads) or two 5/16" x 2.75" (for 3 pads) Flat Head Allen Bolt through the SpeedBump Pads. Install a 5/16" Nylock Nut onto each bolt. **Torque to 25 ft-lbs.**



# TERAFLEX

## 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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