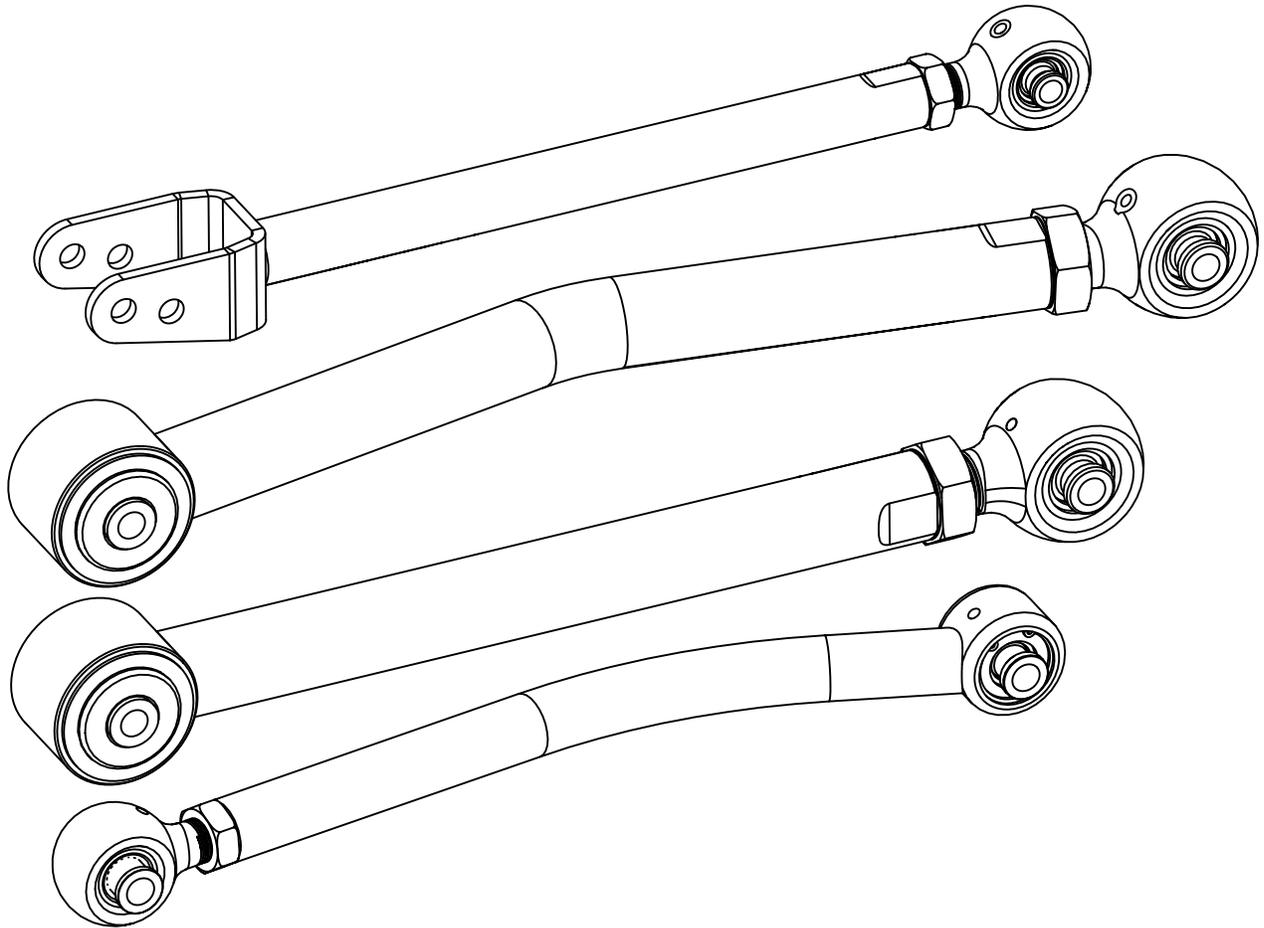




JK Short Control Arms

www.teraflex.com



Important Notes:

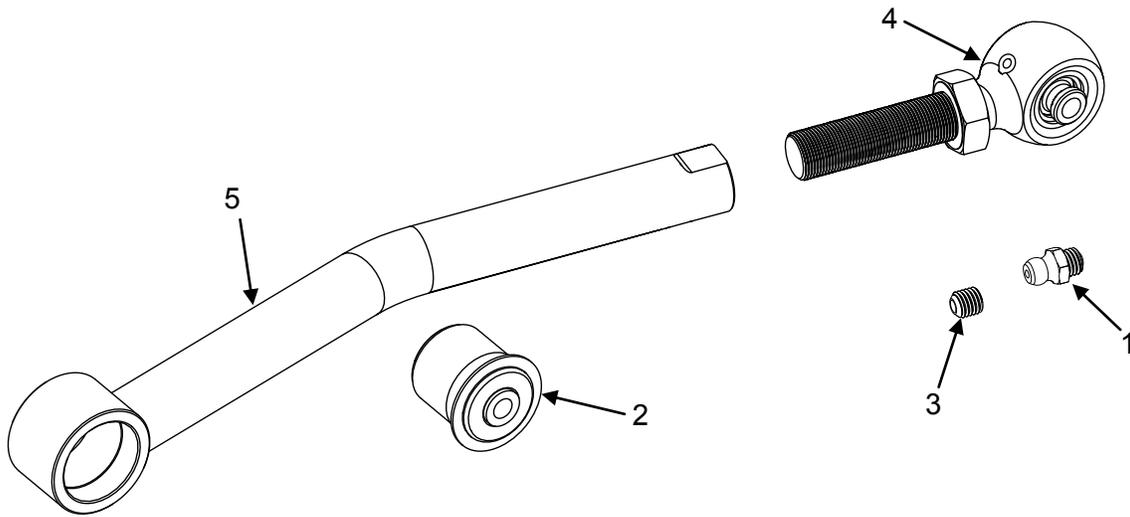
Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

The given arm lengths are for a 3" lift. Installation of this kit requires a full four-wheel alignment.

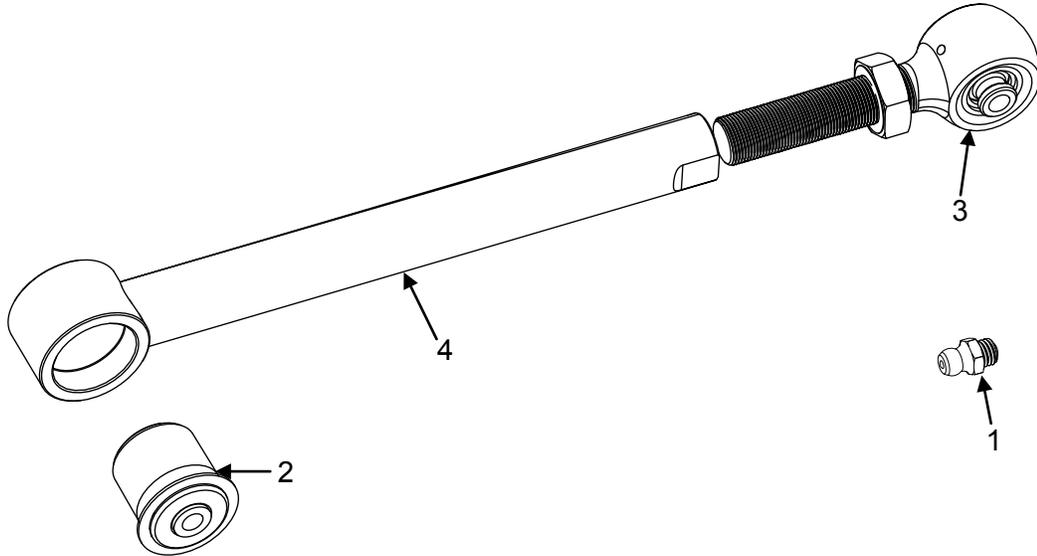
Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local TeraFlex dealer for assistance.

Tools needed:

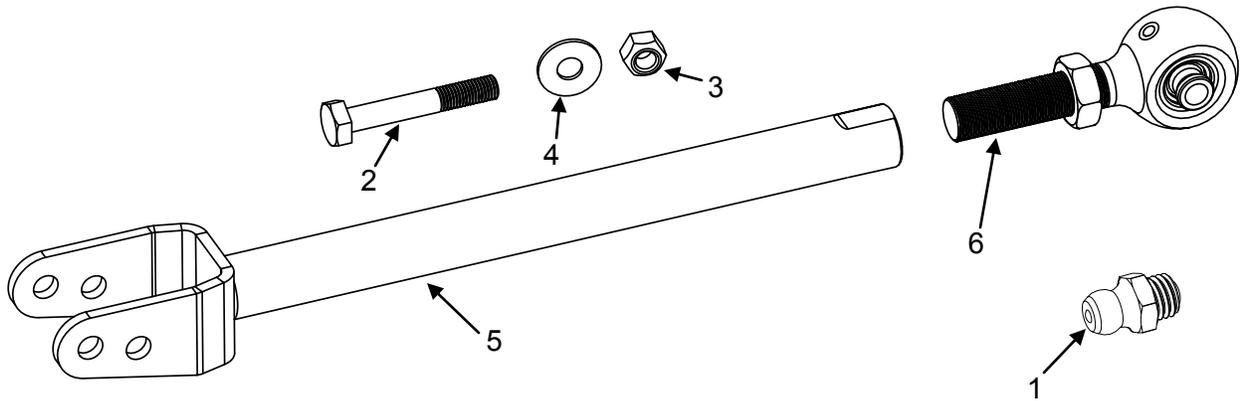
- This installation guide
- Basic mechanics tool set
- 1-7/8" End Wrench
- 1-1/4" End Wrench



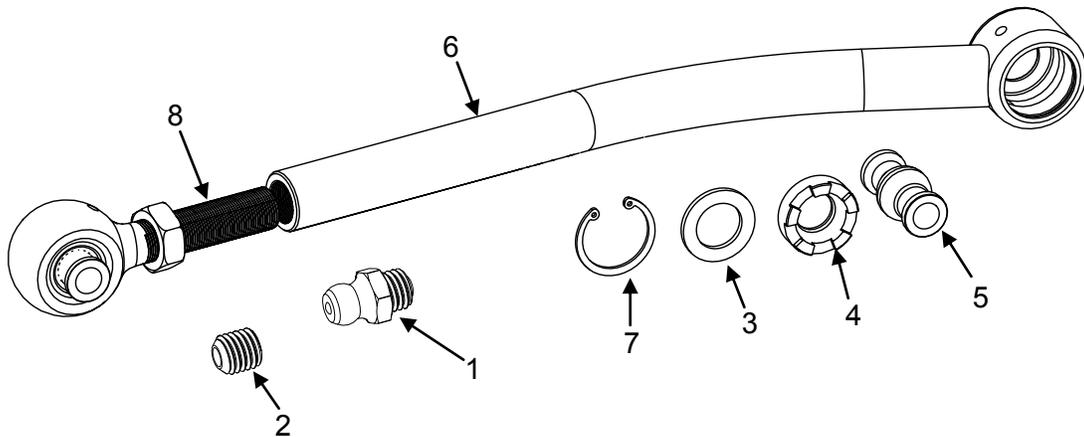
Parts List-1653701 Front Lower Single Arm			
Item Number	Part Number	Description	Quantity
1	308	Grease Zerk 1/4"-28	1
2	4915161	Large Clevite Rubber Bushing	1
3	307	Set Screw 1/4"-28 x 1/4"	1
4	116250	Joint JK Front Lower Offset FlexArm	1
5	653700	JK Front Lower FlexArm Tube Only	1



Parts List-16547001 Rear Lower Single Arm			
Item Number	Part Number	Description	Quantity
1	308	Grease Zerk 1/4"-28	1
2	4915161	Large Clevite Rubber Bushing	1
3	116260	Rear Lower Right Hand Thread FlexArm Joint	1
4	654700	Rear Lower Short FlexArm Tube Only	1



Parts List-1653801 Front Upper Single Arm			
Item Number	Part Number	Description	Quantity
1	308	Grease Zerk 1/4"-28	1
2	404	Bolt M12-1.75 x 80mm	1
3	165	Nut M12-1.75 Stover Locknut	1
4	134	Washer 7/16" Flat	1
5	653800	JK Front Upper Short Tube Only	1
6	116230	JK Front Upper Right Hand FlexArm Joint	1

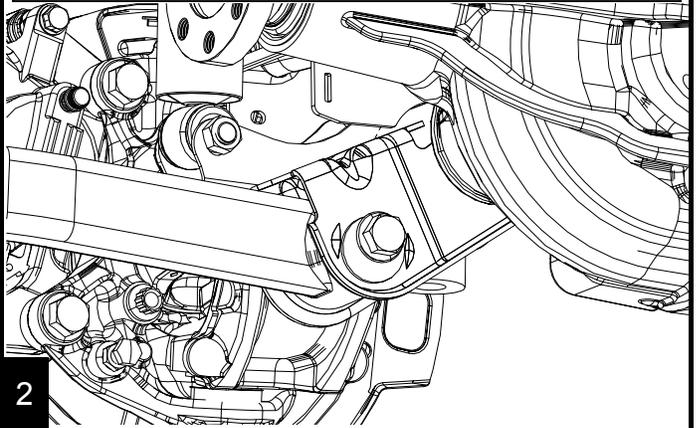


Parts List-1654801 Rear Upper Single Arm			
Item Number	Part Number	Description	Quantity
1	308	Grease Zerk 1/4"-28	1
2	307	Set Screw 1/4"-28 x 1/4"	1
3	9865	Washer 986 Small FlexArm Joint	1
4	9864	Bushing Urethane 1/2	2
5	654803	Ball Metal JK Rear Upper Eyelet Short Arm	1
6	654800	FlexArm Tube Only	1
7	600514	Snap Ring Internal 40mm	1
8	116220	Joint JK Rear Offset FlexArm	1

Front Lower Control Arms

With a 21mm, remove the axle side bolt. If your vehicle is equipped with cam washers, they will be reused.

Raise and support the vehicle. Remove the wheels and tires. See the factory service manual for safe support locations. Do not remove more than 2 arms at a time.

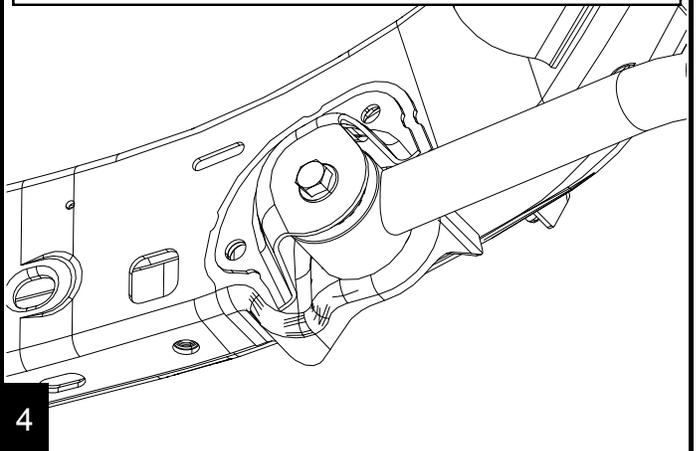
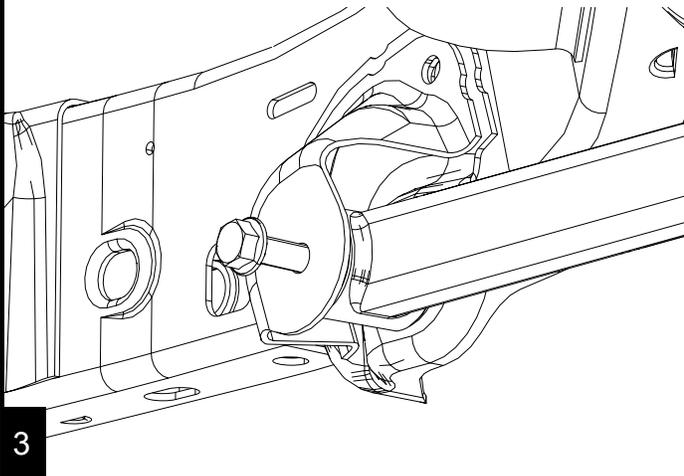


1

2

Remove the frame side bolt with a 21mm, remove the arm. Repeat on remaining front lower arm.

Install the zerk and plug. Lengthen the new Flexarms to 23 1/8". Install the rubber bushing end to the frame side bracket with the bend to the inside. Install the bolt **finger tight**.

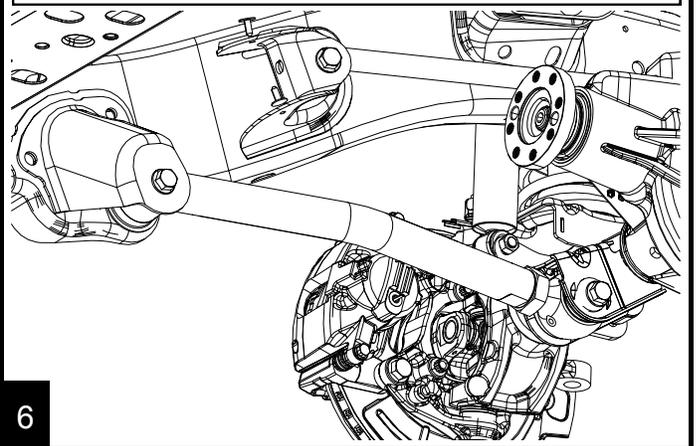
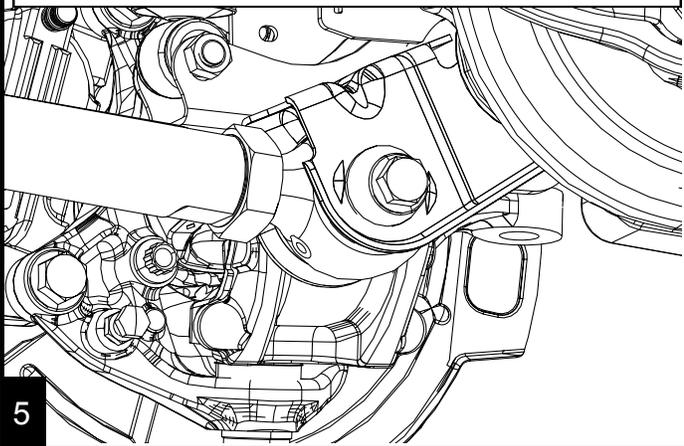


3

4

Install the flex joint end into the axle side bracket. If your vehicle has cam-bolts, either use cam-bolt eliminator washers or rotate the cam to the full forward position as shown.

After the vehicle is on the ground at ride height, torque the axle side bolt to 117 ft-lbs (159 Nm) and the frame side bolt to 125 ft-lbs (169 Nm)

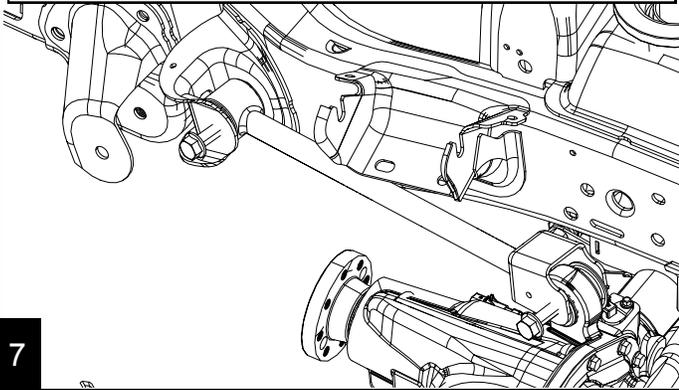


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6

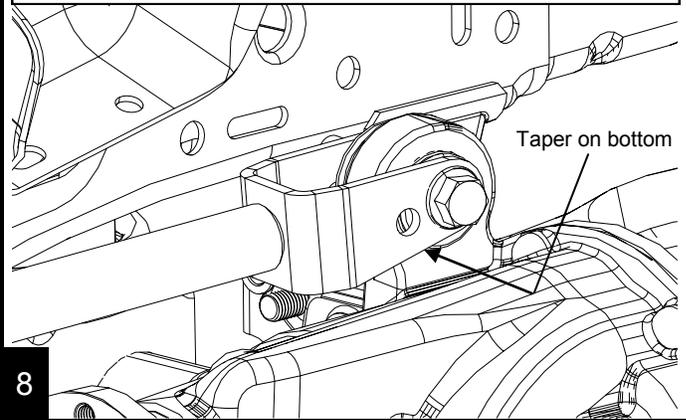
Front Upper Control Arms

Remove any wiring attached to the upper control arms.
Remove the axle side and frame side bolts with a 21mm.
Remove both upper control arms.



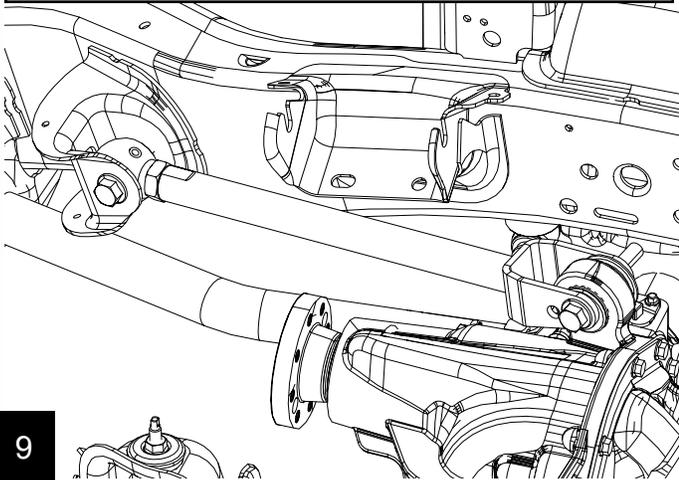
7

Install the grease zerk and plug. Lengthen the new Flexarms to 18 7/8". Install the flex joint end into the frame side and the forked end taper oriented as shown. Use the new provided hardware on the axle side. Install all bolts **finger tight**.



8

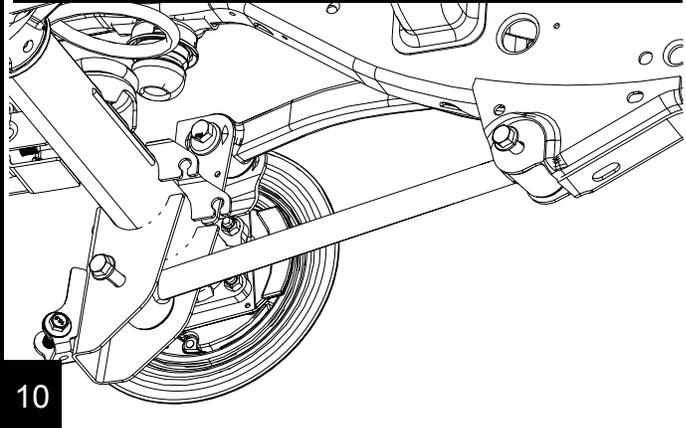
Reattach any removed wiring. After the vehicle is on the ground, torque all bolts to 75 ft-lbs (102 Nm).



9

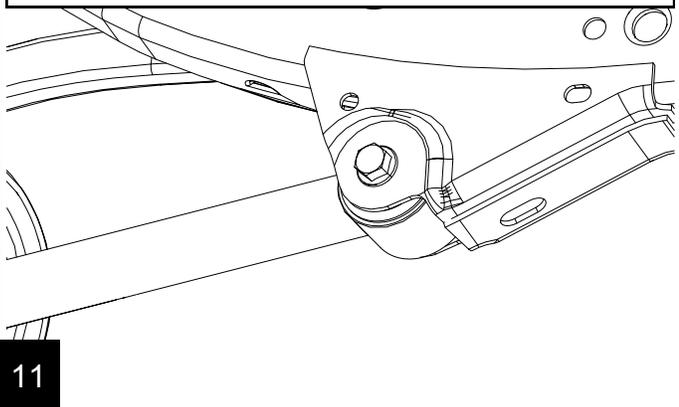
Rear Lower Control Arms

Remove the axle side and frame side bolts with a 21mm.
Remove both lower control arms.



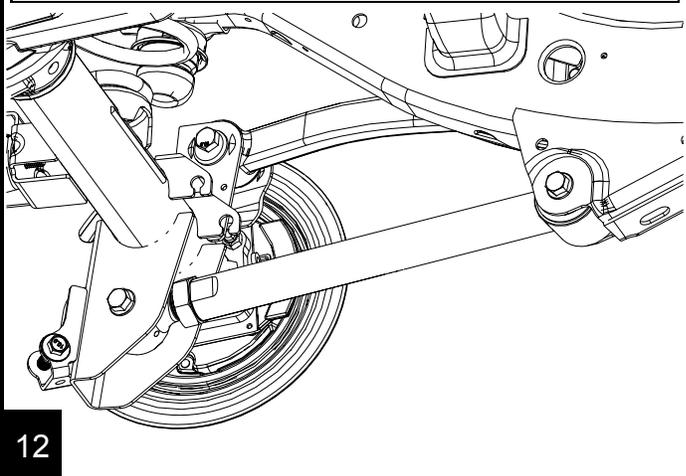
10

Install the grease zerks. Lengthen the new control arm to 20 1/8" for 2 door models and 20 1/2" for 4 door models. Install the arm into the vehicle with the rubber bushing on the frame side.
Install all bolts **finger tight**.



11

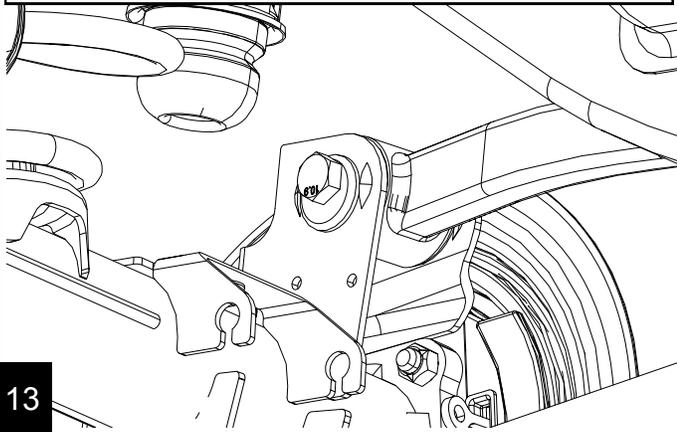
After the vehicle is on the ground, torque all bolts to 125 ft-lbs (169 Nm)



12

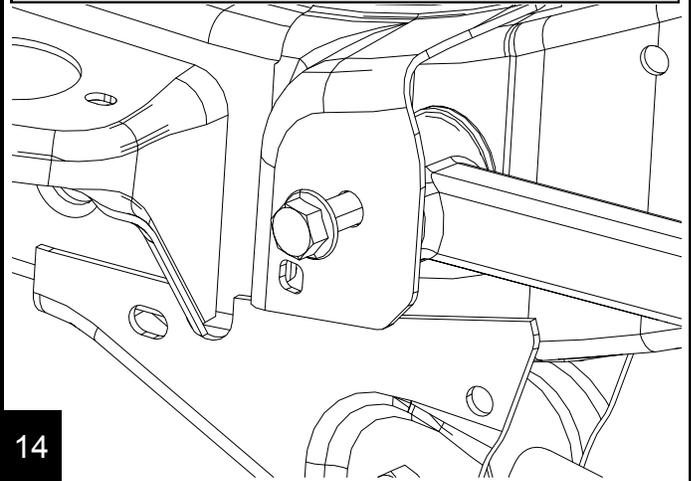
Rear Upper Control Arms

Remove the axle side bolt with an 18mm. If your vehicle is equipped with cam washers, they will be reused.



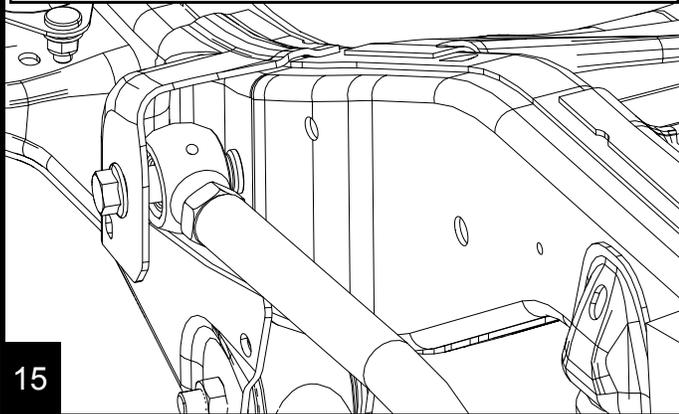
13

Remove the frame side bolt, the nut is a flag nut, with an 18mm and remove the arm.



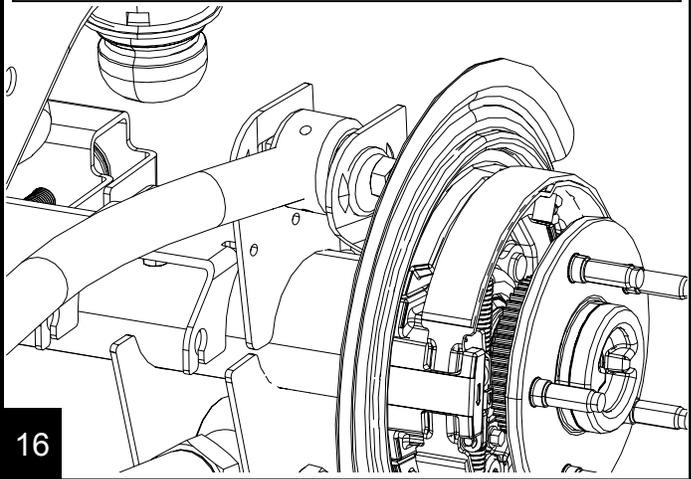
14

Install the grease zerks and plugs. Lengthen the new Flexarm to 18 5/16" for 2 door models and 18 1/2" for 4 door models. Install the flex joint into the frame side bracket with the bend to the inside. Tighten the nuts **finger tight**.



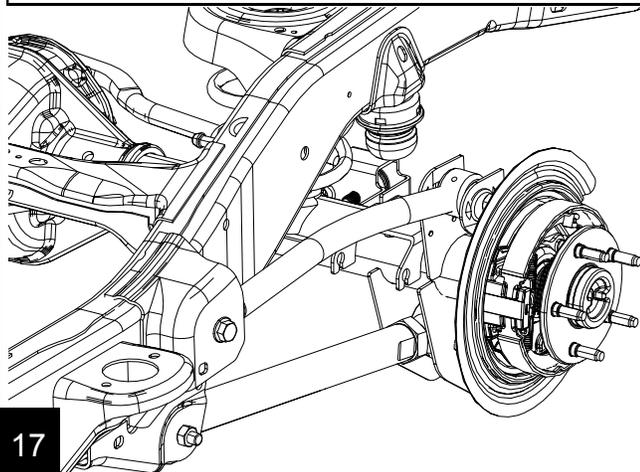
15

Install the rubber joint into the axle side bracket. If your vehicle has cam washers, rotate the washer to the full rear position.



16

Once the vehicle is on the ground, torque all bolts to 125 ft-lbs (169 Nm).



17

Important Notes

Be sure to tighten each jam nut to prevent unwanted joint rotation and thread wear. Re-torque all hardware after 500 miles. All serviceable joints require greasing every 3000 miles or after water crossings. This will greatly lengthen the life of your joints. Installation of these arms requires a full 4 wheel alignment. We recommend your local ASE Certified mechanic. Failure to do so may result in uneven tire wear and undesired handling characteristics.

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.
5680 West Dannon Way
West Jordan, Utah 84081
Phone/801.713.3314
Fax/801.713.2313
www.teraflex.com