TERAFLEX

PRODUCT INSTALLATION GUIDE

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999173
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JK Front Lower & Rear Upper Fixed Length Control Arms for 2.5” and 3" Lift

Part #1254000

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.

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 retailer for assistance.

These control arms were designed to be a heavy duty, maintenance free control arm upgrade over the factory arms. The arms are slightly different in length from the factory arms to correct the front caster angle and rear pinion angle after the Jeep has been lifted. These arms are recommended for a 2.5” and 3" lift.

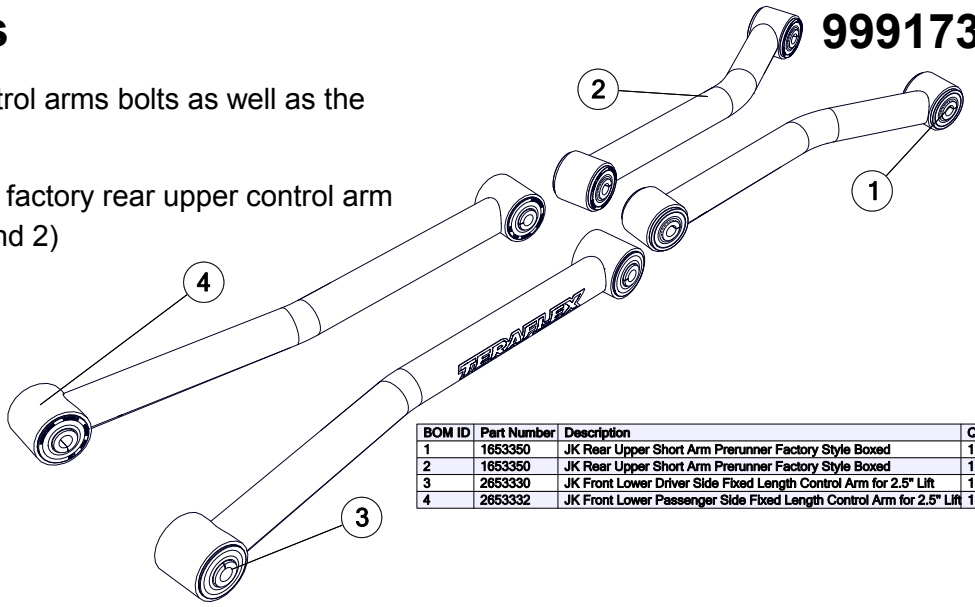
Tools needed:

- Basic Mechanics tool set

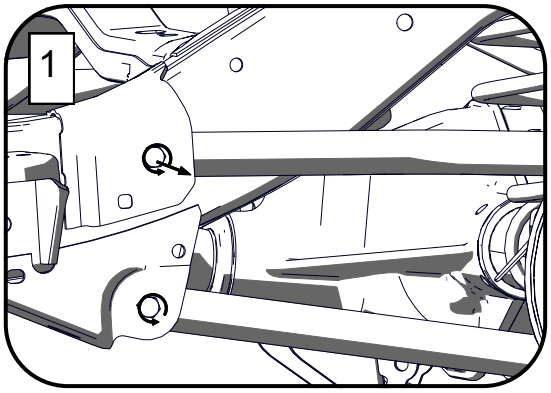
Installation Instructions

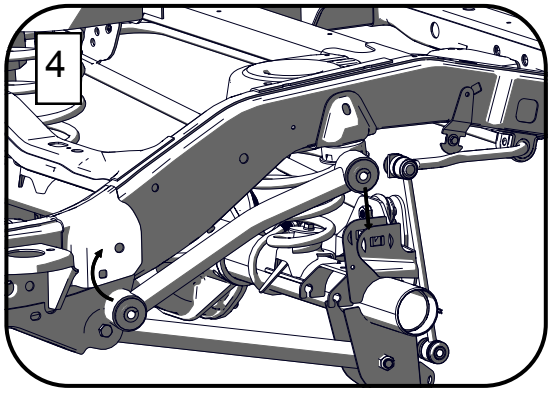
999173

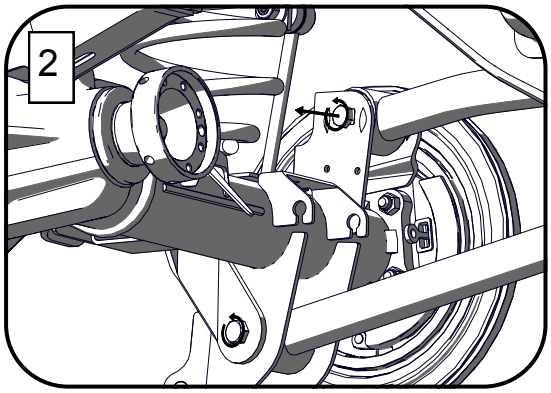
1. Loosen the rear upper and lower control arms bolts as well as the rear track bar bolts on both ends.
2. Starting with the left side, remove the factory rear upper control arm bolts and set them aside. (Figure 1 and 2)
3. Remove the factory upper arm. (Figure 3)
4. Orient the new TeraFlex rear upper control arm and install as shown in Figure 4.
5. Loosely reinstall the factory hardware, but do not tighten yet. (Figure 5 and 6)
6. Repeat for the right side.

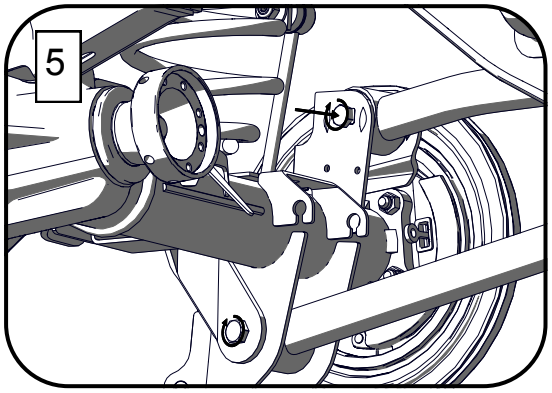


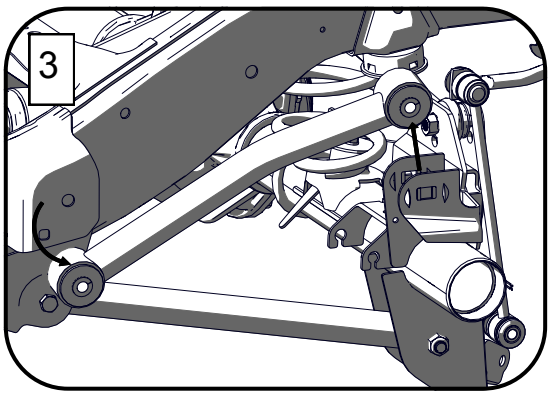
BOM ID	Part Number	Description	Qty
1	1653350	JK Rear Upper Short Arm Prerunner Factory Style Boxed	1
2	1653350	JK Rear Upper Short Arm Prerunner Factory Style Boxed	1
3	2653330	JK Front Lower Driver Side Fixed Length Control Arm for 2.5" Lift	1
4	2653332	JK Front Lower Passenger Side Fixed Length Control Arm for 2.5" Lift	1

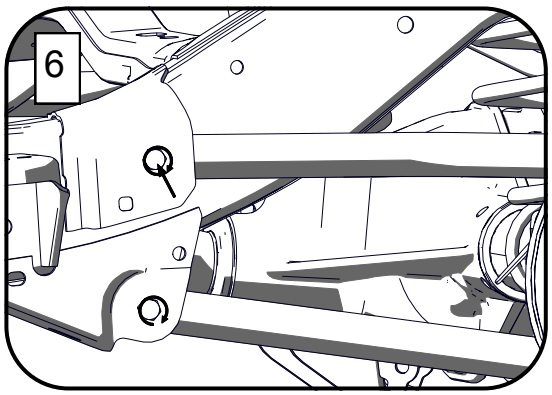












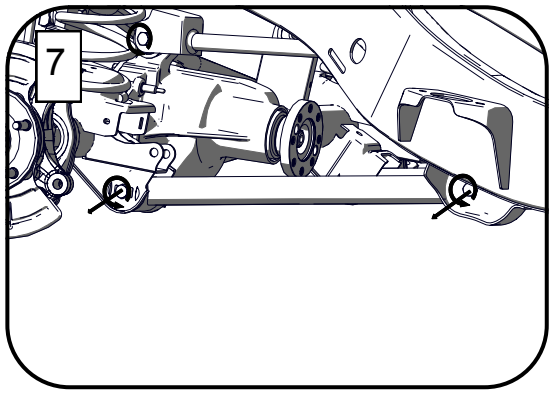
NOTE:

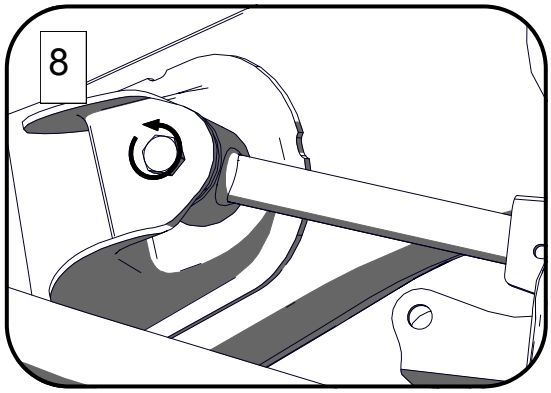
Because the TeraFlex arms are a different length than the factory arms, it may be necessary to support the pinion of the rear axle and install both arms at the same time. Adjust the height of the pinion until the arms line up with the bolt holes in their respective control arm mounts.

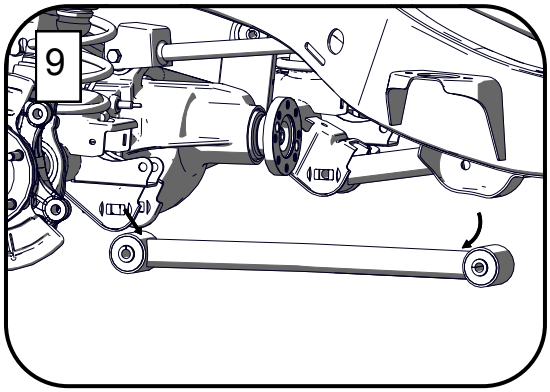
7. Loosen the front upper and lower control arms bolts as well as the front track bar bolts on both ends.
8. Starting with the left side, remove the factory front lower control arm bolts and set them aside. (Figure 7)
9. Remove the factory lower arm. (Figure 9)
10. Orient the new TeraFlex front lower control arm and install as shown in Figure 10.
11. Loosely reinstall the factory hardware, but do not tighten yet. (Figure 11 and 12)
12. Repeat for the right side.

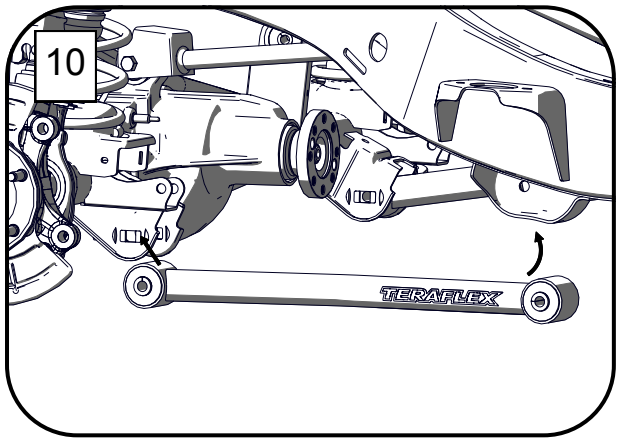
NOTE:

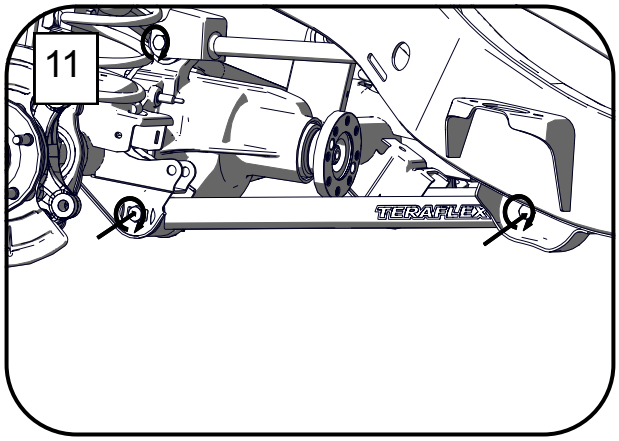
Because the TeraFlex arms are a different length than the factory arms, it may be necessary to support the pinion of the front axle and install both arms at the same time. Adjust the height of the pinion until the arms line up with the bolt holes in their respective control arm mounts.











13. After all the control arms are installed, and the Jeep is sitting at ride height, torque the front and rear track bar bolts to 125 ft-lbs.
14. The front lower control arm bolts should be torqued to 117 ft-lbs at the axle end and 125 ft-lbs at the frame end.
15. Torque the front upper control arm bolts to 75 ft-lbs at both the frame and the axle ends.
16. Torque the rear upper and lower control arm bolts to 125 ft-lbs at both ends.

Installation is complete.

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:

Tera Manufacturing 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 TeraFlex's two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

Tera 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. Tera Manufacturing 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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