

# TERAFLEX

## PRODUCT INSTALLATION GUIDE

### TeraFlex JK FlexArms

The following guide will assist you in installing your new JK Monster FlexArms. Due to the innumerable tire size and lift height combinations, control arm lengths will vary from Jeep to Jeep. The lengths provided should merely be used as a starting reference length for any lift height. Fine tuning the length will be necessary for a proper caster angle in the front and pinion angle in the rear in addition to centering the tire in the wheel well. A four wheel alignment *will* need to be performed following FlexArm installation.

<b>TeraFlex Adjustable Flex Arm Initial Installation Lengths*</b>				
		Factory Length (inches)	Base Value	
			(inches)	(mm)
All JKs	Front Lower	22 5/8	23 1/8	587
	Front Upper	18 3/4	18 7/8	479
2 Door	Rear Lower	19 3/4	20 1/8	511
	Rear Upper	17 7/16	18 5/16	465
4 Door	Rear Lower	19 3/4	20 1/2	521
	Rear Upper	17 7/16	18 1/2	470

*\*Lengths are starting reference values only. A full four wheel alignment will need to be performed to ensure proper caster and thrust angles.*

Replace each factory arm with the TeraFlex FlexArm one at a time. For the lower arms, the rubber bushing should be installed at the frame end. Each FlexArm has a sticker to identify and locate the arm. Install the arm so the sticker faces up. Set the pinion angle about two degrees low if the Jeep has a double-cardan drive shaft. If the drive shaft has factory style Rzeppa joints, the pinion should be inline with the drive shaft. Grease the Flex Joints in the arms every 3000 miles or sooner.

*NOTE: When only four adjustable arms are installed, front lower and rear upper adjustable arms should be installed. Use kit #1653700 for the front lowers and #1654840 for the rear uppers in order to set the pinion angle. Use a starting length of 17 7/8 inches.*

**TERAFLEX**

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## **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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