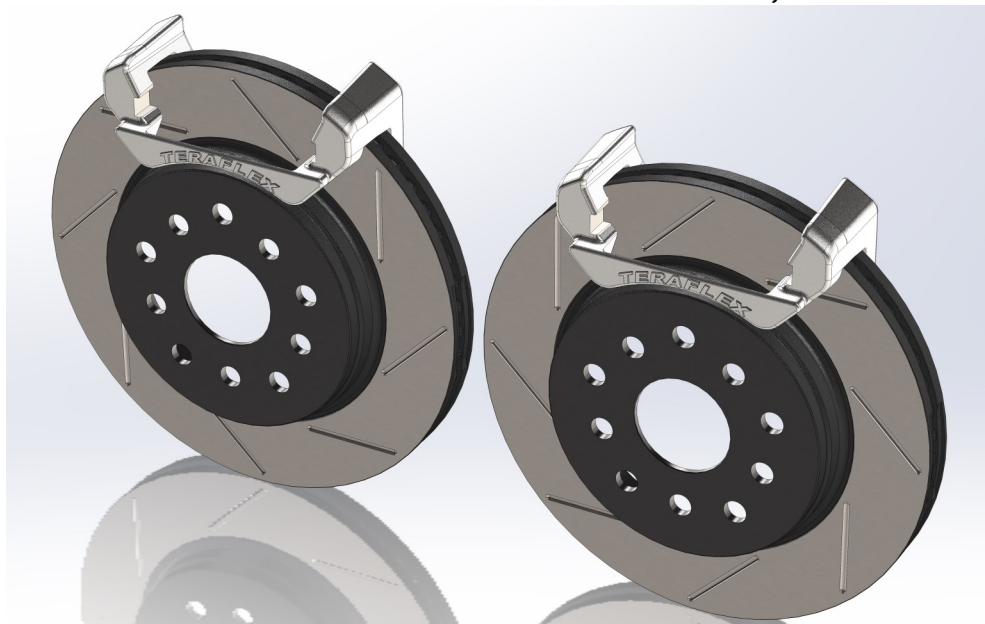


# TERAFLEX

## PRODUCT INSTALLATION GUIDE

### JK Big Front Rotors and Caliper Brackets

Part #4303480, 4303490



#### Important Notes:

***This kit will only fit vehicles with 17" or larger wheels.***

*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.*

#### Kit Contents:

4303480 - JK Front Performance Rotor Kit with Plain Rotors			
Item #	Part No.	Description	QTY
1	303410	JK Performance Front Brake Caliper Anchor Bracket	2
2	4303410	JK Front PLAIN 13.3" Big Brake Rotor	2

4303490 - JK Front Performance Rotor Kit with Slotted Rotors			
Item #	Part No.	Description	QTY
1	303410	JK Performance Front Brake Caliper Anchor Bracket	2
2	4303411	JK Front Passenger SLOTTED 13.3" Big Brake Rotor	1
3	4303412	JK Front Driver SLOTTED 13.3" Big Brake Rotor	1

#### Tools needed:

- Caliper slide grease
- 19MM deep socket
- Ratchet
- 13MM box wrench
- 15MM end wrench
- Coat hanger or baling wire for supporting caliper
- 21MM box wrench

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## Installation:

1. Park the vehicle on a level surface and set the parking brake. Chock the rear tires.
2. Jack the front axle off of the ground and place jack stands under the front axle housing.
3. Lower the front axle onto the jack stands.
4. Remove one of the front wheels using a 19MM socket.
5. Remove the two caliper mount bolts using a 13MM box wrench while counter-holding the 15MM nut as shown.



6. Remove the caliper and hang it from the coil spring using a coat hanger or baling wire as shown. Do not let the caliper hang from the ABS wire or the hydraulic hose.



7. Remove the caliper bracket bolts using a 21MM box wrench.



8. Remove the caliper bracket.
9. Remove the factory rotor.
10. Remove the caliper slides from the factory bracket



by pulling them out of their bores as shown.

11. Insert a dab of caliper slide grease into the slide bore of the new caliper bracket.
12. Install the caliper slides into the bores of the new bracket by pushing them in and snapping the rubber boot into its retaining groove.
13. Transfer the pad support springs and pads from the factory caliper bracket to the Teraflex caliper bracket. See photos on next page.



19. Pump the brakes before driving to ensure that the pads are seated firmly against the rotors.
20. Raise the vehicle off of the jack stands, remove the jack stands, and lower the vehicle to the ground.

**Installation is complete.**

***Note: During the road test following installation of this kit, it may initially feel like more brake pedal force is required to stop the vehicle. This condition will pass as the pads seat into the rotors during the vehicle's first several stops.***



14. Install the Teraflex Big Rotor onto the vehicle.



15. Install the Teraflex caliper bracket with pads onto the vehicle using the factory bolts and the 21MM wrench.
16. Install the factory caliper and bolts using the 13MM and 15MM wrenches.
17. Install the wheel.
18. Repeat these instructions for the other side of the vehicle.

# **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:**

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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