

# TERAFLEX

## PRODUCT INSTALLATION GUIDE

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### JK 1.5" Spring Lift

Part # 1351500



#### **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.*

#### **Required Tools:**

10, 14, 15, 16, 17, 18, 19, 21mm sockets and wrenches  
7/16", 5/8", 3/4" sockets and wrenches  
3/8" & 1/2" drive ratchets  
3", 6", & 12" extensions  
Ft-lbs torque wrench  
Breaker bar  
Floor jack  
Jack stands  
Wheel chocks  
Hammer  
Pry bars  
Pliers  
Safety glasses

## Installation:

1. Remove track bar bolts using a 21mm socket, at both the front and rear axle and remove track bars.



2. Loosen all control arm bolts using a 21mm socket, DO NOT REMOVE ARMS OR BOLTS!
3. Lift the vehicle and support under the frame with jack stands. Make sure that the axle will drop far enough to remove and install the coil springs.
4. Remove the wheels.

## Rear Installation:

5. Support the rear axle with a jack and slightly lift one or two inches so that it is easy to remove the bolts from the shocks. (If you remove the nut from the bolt prior to jacking up on the axle you can put slight pressure on the bolt with your hand while jacking the axle and see where it is easiest to remove the bolts.)
6. Remove the bottom shock bolts using an 18mm socket and wrench.



7. Remove the clips that secure the ABS wiring harness to the upper control arm mount.



8. Remove the bracket that holds the park brake cables to the body using a 10mm deep well socket.



9. Remove the brake line mount at the frame using a 10mm socket.



10. Carefully lower the rear axle far enough to remove the rear springs. Be careful not to let the coils fall out as you lower the axle. You will want to lower the axle far enough to install the new 1.5" springs in place. While lowering the axle make sure the brake lines, ABS wires and axle vent do not stretch as this could cause damage to these vital parts.



11. Install the new rear springs. Make sure to reuse the factory spring isolator.
12. Jack up the rear axle and replace lower shock bolts. Torque to 56 ft-lbs.
13. Reinstall the brake line mount and torque to 16 ft-lbs.
14. Remove jack from under axle.
15. Rear installation complete.

## Front installation:

16. Place jack under the axle and slightly lift the front axle so you can easily remove factory hardware from shocks, sway bar links.
17. Remove the front shocks by using a 18mm wrench and socket at the axle side.



18. Remove sway bar links using 18mm socket and wrench at the axle and 18mm socket and 20mm wrench at the sway bar. Lower the jack enough to remove the springs.



19. Remove front coil springs.
20. Install new 1.5 inch coil springs. Do the drivers side first.



21. Install the new sway bar links on the outside of the sway bar and inside of the axle mount. Torque to 75 ft-lbs.



22. Reinstall the lower shock bolts and torque to 56 ft-lbs.
23. Reinstall wheels, torque lug nuts to 95- 115 ft-lbs, Remove jack stands, lower the vehicle onto its own weight, and torque all the control arm bolts. Torque the uppers to 75 ft-lbs and the lowers to 125 ft-lbs.
24. Install the rear track bar. To align the rear track bar to the axle have someone push on the body of the jeep until the bolt hole lines up. Torque to 125 ft-lbs.
25. Install the front track bar. To align the front track bar have someone move the steering wheel until the bolt hole lines up. Torque to 125 ft-lbs.

26. To straighten the steering wheel, loosen the adjuster sleeve on the drag link by using 15mm sockets. Mark the position by making a line across the sleeve and the threads this line will indicate the original position. Looking from the drivers side rotate the adjuster sleeve counter clockwise 3/4 of a turn. This should get your steering wheel close to center. Every vehicle is different so test drive yours and determine if yours needs further adjustment. Once steering wheel is straight torque pinch clamp bolts to 45 ft-lbs.



27. Re-torque all fasteners after 300 miles.



## **PRODUCT INFORMATION & WARRANTY**

### **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. 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 Inc. 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 after that. 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 Inc. product warranty apply.

All TeraLow products are covered by the TeraFlex Inc. two-year warranty to be free of defects in material and workmanship for two years from date purchased.

TeraFlex axles are covered by the TeraFlex Inc. 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.

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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