

TERAFLEX

PRODUCT INSTALLATION GUIDE

JK Rear PreRunner SpeedBump

Part # 1958260



Important Notes: This instruction is for the PreRunner lift kit only!

Any variance in spring height and shock choice will change how the speedbumps need to be mounted.

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.

Tools Required:

- Set of metric and standard sockets and wrenches
- Cut off wheel
- Grinder
- Welder
- Oxy Acetylene torch
- Silicon
- 7/16" allen
- Black paint
- Tape measure
- Square
- Scribe tool

1958260 JK Rear Bracket & Speedbumps kit for PreRunner

Component Item ID	Item Name	Qty Per Assy
50	Bolt 3/8"-16 UNC x 1.5" Long Flat Socket Head Cap Screw Stainless Steel	2
179	Bolt 5/16"-18 UNC x 1.25" Long Flat Head Socket Cap Screw	4
183	Bolt 1/4"-20 UNC x 1-1/4" Long Hex Head Fully Threaded	2
630	Nut 5/16"-18 UNC Nylock	4
953750	Speedbump Front SINGLE Complete 3" Travel	2
953757	Speedbump Front 3" & 4" Delrin Impact Pad for tip of Front Shaft	2
954600	Bumpstop JK Rear Lower 3/4" tall Extruded UHMW	2
954770	Speedbump Rear JK Cylinder Mounting Sleeve with Clamp	2

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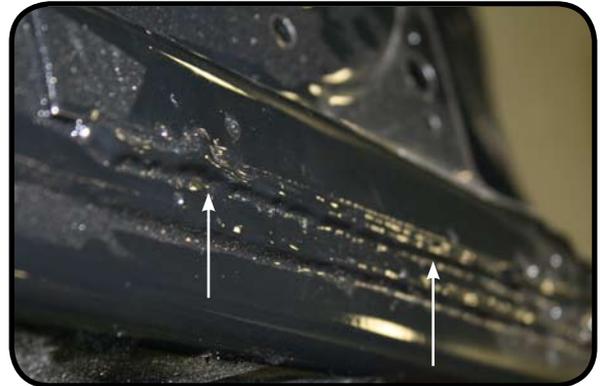
1. Lift the vehicle and support under the frame with jack stands. Make sure that the axle will drop far enough to remove the rear coil spring.
2. Remove the shocks and rear coil springs.
3. Remove the factory bump stop mount using a cut off wheel, torch or equivalent. Grind the frame flush after removal.
4. Using the 3/4" symmetrical holes on the frame measure 9 1/8" back. Using a square scribe the line onto the frame.



5. Measure 2 1/2" forward from the rear scribe line. Mark and use a square to mark the area that will be removed.



6. The depth of the cut needs to be 1 1/8" on the top and bottom of the frame. This should put the new speedbump mount flush with the coil bucket weld on the top of the frame. (Use the arrows below for reference. View from the top of the frame.)



7. Using a cut off wheel cut in from the scribe lines at a 45 degree angle.



8. Using a torch cut out the top and the bottom of the frame.



9. Remove the piece of the frame and grind to fit the new speedbump mount.



10. Place speedbump mount in the frame so the bottom of the mount is 1/8" below the frame and tack it into place.



11. Weld in the new mounts and paint all of the raw areas.



12. Reroute the brake line behind the speedbump mount. You will need to straighten the brake line to do so.
13. Cut the plastic and pinch weld above the speedbump mount so that the speedbump will not make contact with the body.



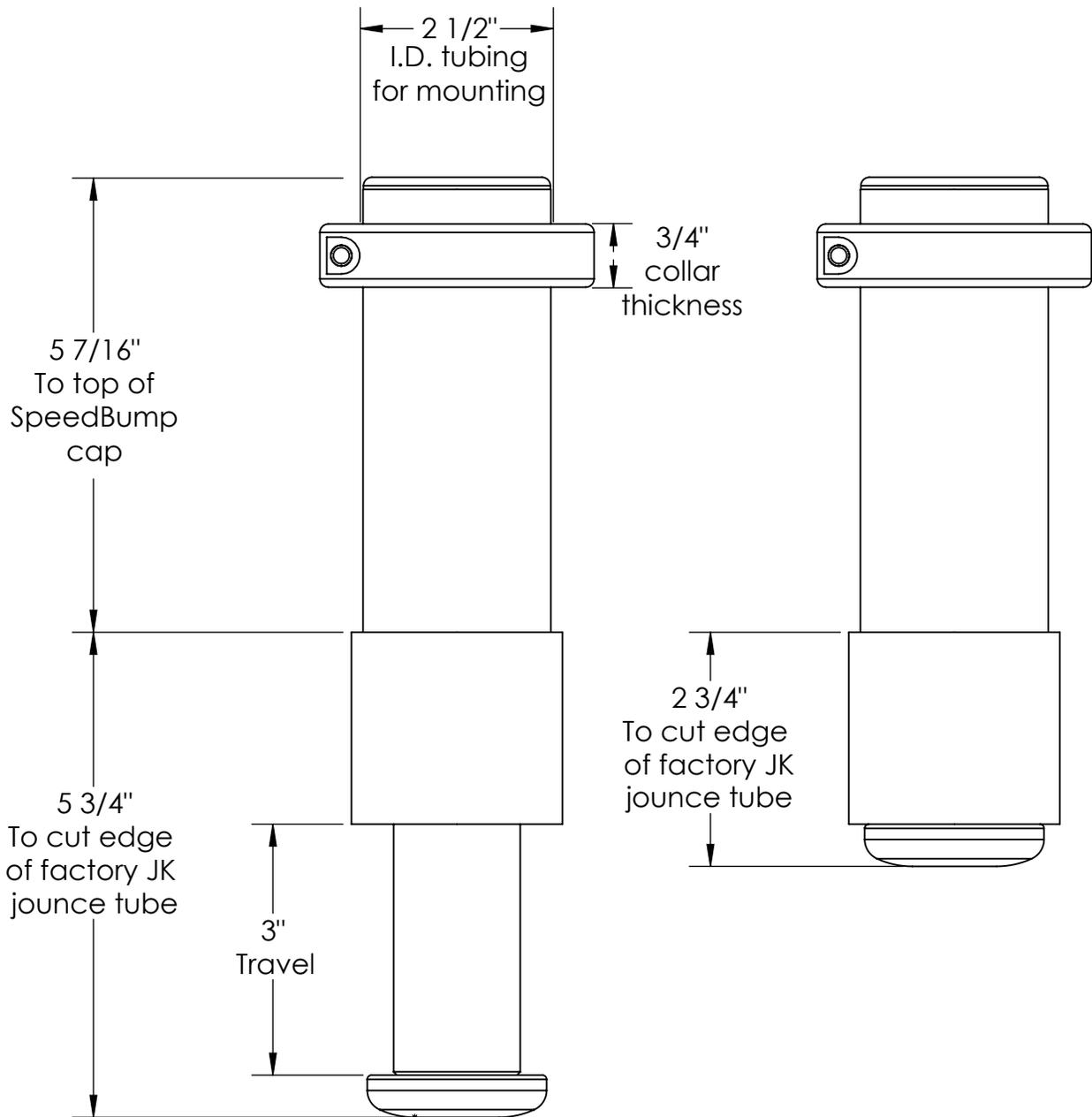
14. Install the TeraFlex speedbump into the new mount. Use silicon on the speedbump and slide it up into the mount. Use the supplied bolt to tighten the pinch clamp.



15. Install the new bumpstop pads on the axle using the supplied hardware.



16. Reinstall the rear coil springs and shocks.





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. 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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