

TERAFLEX

PRODUCT INSTALLATION GUIDE

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TJ FRONT TRAIL BAR

Part # 1743600

Part # 1743605



Important Notes: THIS SWAYBAR IS FOR OFF ROAD USE ONLY! For street/trail use sway bar use: 1743620, 1743625, 1743610, 1743615

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 needed:

- Set of metric sockets
- Set of standard sockets
- Set of standard wrenches
- Set of metric wrenches
- 3/8" drive ratchet
- Dead blow hammer
- Thread locker- Blue
- Cut off wheel or equivalent
- 3 /16" allen
- 1 1/2" open end wrench
- T55 torx
- Assembly grease
- Tape measure

Kit Contents

1743600 TJ Front Trail Rate Forged Swaybar Kit

1743605

Item ID	Item Name	QTY
1755005 JK/TJ Front Trail Rate Swaybar Base Box		
75	Bolt 1/4"-20 x 3/4"	2
104	Nut 3/8"-24	4
123	Lock Washer 3/8"	4
97514	Washer 3/8" Lock	2
97515	Bolt 3/8"-24 x 1.25"	2
600991	Bolt 3/8"-24 x 1.5" GRADE 8	4
753304	Forged Swaybar : Endcap	2
753308	Forged Swaybar: Spacer	2
753314	Forged Swaybar: Small Diameter Torsion Bar	1
753318	Forged Swaybar: Arm	1
753319	Forged Swaybar: Arm	1
1756012 JK/TJ Front Forged Swaybar Short Link Kit		
24	Bolt 1/2"-13 x 3"	2
35	Washer 1/2" Lock	2
134	Washer 7/16"	6
214	Nut 1/2"-13 Stover	2
2391	Bolt 1/2"-20 x 2.5"	2
97520	Nut 1/2"-20 JAM Nut RIGHT HAND	2
97522	Nut 1/2"-20 JAM Nut LEFT HAND	2
975126	Spacer Misalignment	8
9751211	4" Long 1/2"-20 Sway bar link 0"-3"	2
97512	7.5" Long 1/2"-20 sway bar link 4"-6"	2
9751213	Rod End 1/2"-20 Left hand thread	2
9751214	Rod End 1/2"-20 Right hand thread	2
1746013 TJ Front Trail Rate Swaybar Bushing Kit		
753329	Forged Swaybar: Bushing	2

1. Remove the six front bumper bolts using an T55 torx socket.



2. Remove sway bar links at the axle using an 18 mm socket (if using quick disconnects just slide them off the mount pin) Remove the pin or factory bolt.



3. Remove the bolts from the sway bar mount using a 15mm socket or wrench. (Use tape to protect the paint.)



4. Check the cross member tube for any obstructions. Clean the tube using a barrel sander.



5. Install the bushings into the cross member tube. The flat part of the bushing needs to align with the flat part of the cross member tube. Use grease and a dead blow hammer to install the bushing.



6. Grease the inside of the bushing and install the torsion bar. Use a dead blow hammer if needed.



7. Install the spacers on both sides of the torsion bar. If needed use a chisel and hammer to open up the relief cut to install the spacer onto the shaft.



8. Install the sway bar arms onto the torsion bar. It is critical that both of the arms are on the same spline. (Use reference marks to aid in the install.) Make sure the torsion bar is about 1/4" inward on both sway bar arms.



9. Install the end caps using 9/16" socket and blue tread locker. Torque to 20 Ft-lbs.



10. Torque the sway bar arm pinch bolts to 50 Ft-lbs using a 9/16" socket and wrench.



11. Tighten the spacer bolts using a 3/16" allen.



12. Install the sway bar links on the outside of the sway bar arm, and on the inside of the axle mount. Use blue tread locker on the sway bar arm bolt.



13. To prevent the bumper bolts from damaging the sway bar bushing, cut two of the bumper mounting bolts to 2" from the bolt face to the end of the threads. (If your vehicle does not have tow hooks cut the two bolts down to 1").



14. Depending on your bumper you may need to clearance the bumper for sway bar arm movement. Install the bumper and check to see if it clears. Mark around both sides and cut it out with a cut off wheel.



15. Reinstall the bumper. Use the two shorter bolts on the holes that align with the cross tube.





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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