

TERAFLEX

INSTALLATION GUIDE

Installation Guide for the TJ Suspension System Kit (ST,MST)



TeraFlex FlexArms



Original Flex Arms (FATJ)

NOTE: These instructions apply to the original flex arms and the new modular flex arms.



Modular Flex Arms (4002)

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All control arms have been set to stock length before leaving the factory. Flex Arms will give years of trouble free service, when properly maintained.

Proper maintenance includes greasing the arm a minimum of every month and, if used heavily off-road, greased before and after every trip. The grease zerk in the arm provides grease to the entire arm including bushings and forces out all contaminants such as dirt and water. Grease is very important especially if the arms are submerged under water at any time. Failure to grease these Flex Arms will void any applicable warranty.

Remove one control at a time, and replace it with a Flex Arm. Install the Flex Arm with the zerk end of the arm towards the frame, with the zerk facing up, out of harms way. Grease before use!

Retorque lower control arm bolts to 130-145 ft. lbs., and 37-47 ft. lbs. for upper arms.

Remember grease, grease, and more grease.

Adjustments can be made to the front arms to adjust the caster, and to the rear to adjust the pinion angle. Flex Arms may be lengthened or shortened if necessary. Adjusting the arms in or out more than 3/4" from factory settings will void any warranty.

factory control arm lengths

- TJ front upper control arms- 15 1/8"
- TJ rear upper control arms- 13 1/4"
- TJ front & rear lower arms- 15 3/4"

TeraFlex Front Sway Bar Disconnects for TJs (QDFT)

Please make sure that your kit includes the following items before starting installation:



Part	Description	Quantity
CPQDFT	component hardware bag	1
00QD11	nut 1/2x20	2
00QD4	lower stud 3/4"	2
00QD5	upper stud 5/8"	2
00QD9	stud pin	2
00380	3/4" QD washer	2
00478	1/2 lock washer	2
0075L	brake line ext. bracket- left	1
0075R	brake line ext. bracket- right	1
0076	1/4"-28 lock nut	2
0077	1/4"-28x3/4"	2
TFQD67	U-bracket w/hardware	2
QDU	U-bracket & stud	2
0083	3/8" lock nut	2
0084	3/8" flat washer	2
QD12	tapered insert	2
QD10	sleeve	2
00425	3/8"x1.75" bolt	2
00QD132	link w/bushings & zerks	2

INSTALLATION:

1. Prior to starting the installation, remove the stock sway bar links.
2. After removing the sway bar links, identify the left and right quick disconnects. One way to tell is that the bolt head will point away from the vehicle in its final position. Place the sleeve on the threaded bracket bolt and screw the quick disconnect assembly into the hole vacated by the previous bolt.



3. Once the assembly has been inserted into place, please make sure that the grease zerk points downward away from the vehicle. Add the washer and nut and secure with a 9/16" wrench.



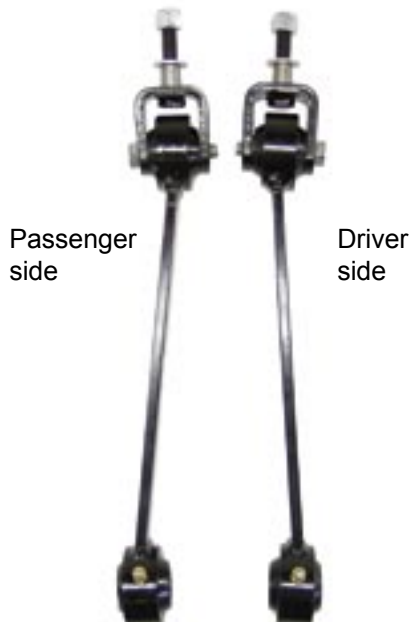
4. Attach the sway bar stud to the lower mount bracket on the axle.



5. Insert the stainless steel stud into the hole vacated by the stock sway bar arm so that the threaded end of the stud points away from the vehicle.



6. Use the pin for leverage when tightening the nut with a 3/4" wrench.





7. Now you can attach the sway bar arm to the stud mount.
8. Slide the polyurethane bushing onto the lower stainless steel stud. The use of a lubricant such as WD-40 will make this much easier.



9. Place the washer on the side opposite the bolt.
10. Secure the arm in place using the washer and pin.



11. Use the connected sway bar arm to determine the proper location for the securing stud. Position the arm out of the way and mark the center of the bushing where it rests against the frame. This is where we will attach the securing stud.



12. In order to install the stainless stud for securing the sway bar and arm when disconnected, you will need a hand drill. We suggest drilling a pilot hole with a smaller drill bit. Using a 5/16" bit, drill through the pilot hole.



13. Use a tap wrench and a 3/8" tap to thread the hole for the stainless steel securing stud. (The 3/8" self-tapping bolt could also be used to thread the hole.) Extra care should be used to make sure the tap is perpendicular to the frame.



14. With a pin in the stud, twist the securing stud into place. A drop of



Loc-Tite on the stud's threads will help keep it secure.

15. Once the securing stud is ready, you can attach the disconnected sway bar arm out of the way against the frame.

Brake Line Extension installation:



1. Remove the Torx bolt that secures the brake line to the frame.
2. Using 1/4" bolt and nut supplied, secure brake line to the bracket.



3. Line up bracket with holes in the frame so the bracket extends down.
4. With the bracket in place, use Torx bolt to secure the bracket to frame.



Installation guide for TJ Steering Box Skid Plate (SBSPT)



Please make sure that your kit includes the following items before starting installation:

Part	Description	Quantity
00SBSP2G	skid plate	1
00803/8"-16x1"	self tap bolt	1

2. Hold skid plate in place, make sure that the holes line up.
3. With the skid plate in position, replace



INSTALLATION:

1. Remove the driver side lower bumper bolt and the bottom steering box mounting bolt.



the bumper bolt and steering box mounting bolt.

Note: Use flat washers to correct the spacing of skid plate when using stock bumper if necessary.

4. With the skid plate in place, locate the remaining hole in the ear of the skid plate. Using the hole as a guide, use a center punch to mark the location you will be drilling.

5. Use a 5/16" drill bit to drill the frame at the location you just marked.
6. Screw the self-tapping bolt into the hole you just made and tighten.



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 these instructions to the vehicle's owner for review, and product information. If a "Warning to Driver" sticker was not included in this kit, FREE replacement stickers 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.

TERAFLEX WARRANTY:

Tera Manufacturing warrants TeraFlex 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 3,000 miles) on TeraFlex FlexArms will void this warranty. All other conditions of the standard Tera Mfg. product warranty apply.

All TeraLow products are covered by Tera's two-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, used for racing or competition or damage due to abuse or neglect.

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.