

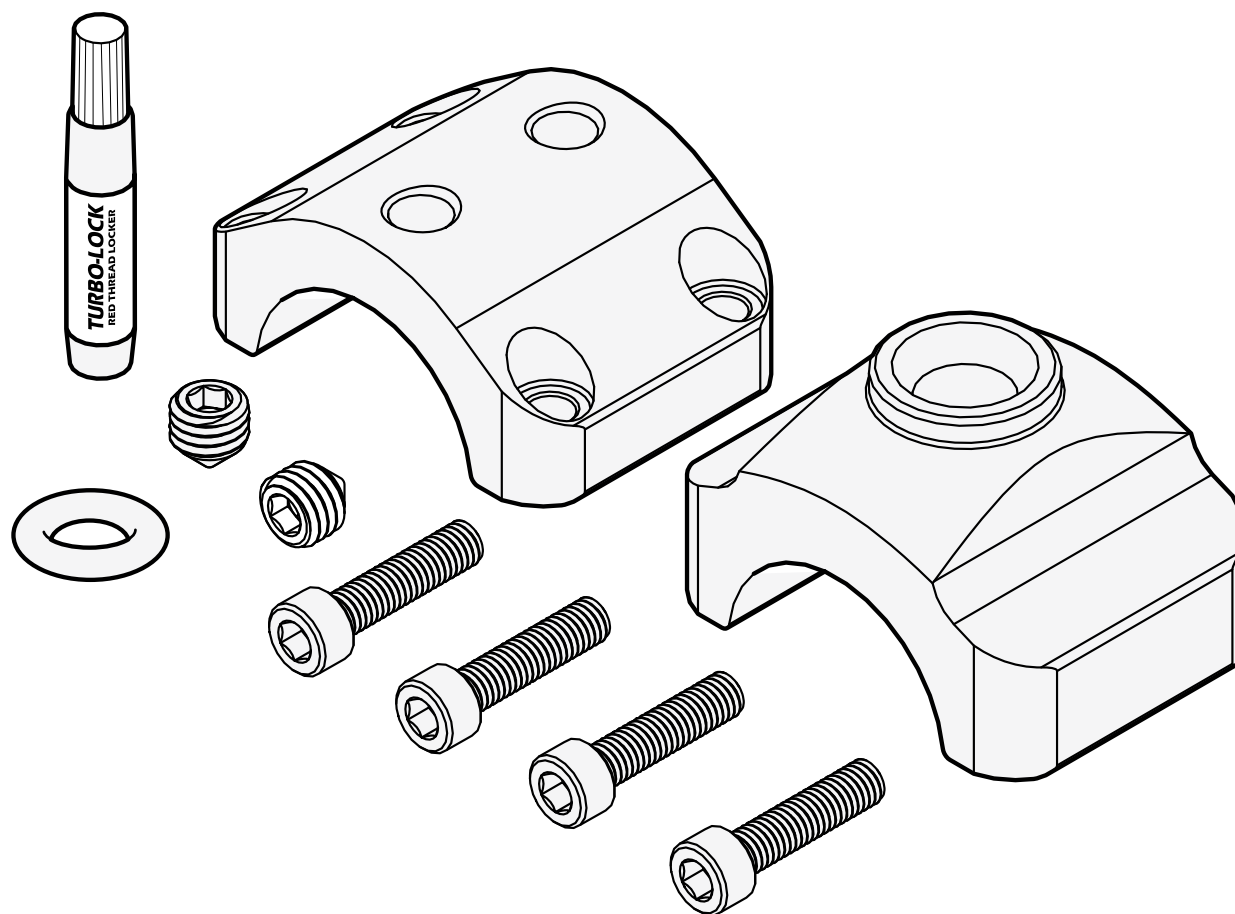


Steering Stabilizer Tie Rod Mounting Clamp Upgrade Kit Instructions

www.FALCONSHOCKS.com

23-03-04-006

99-01-01-158



Important Notes:

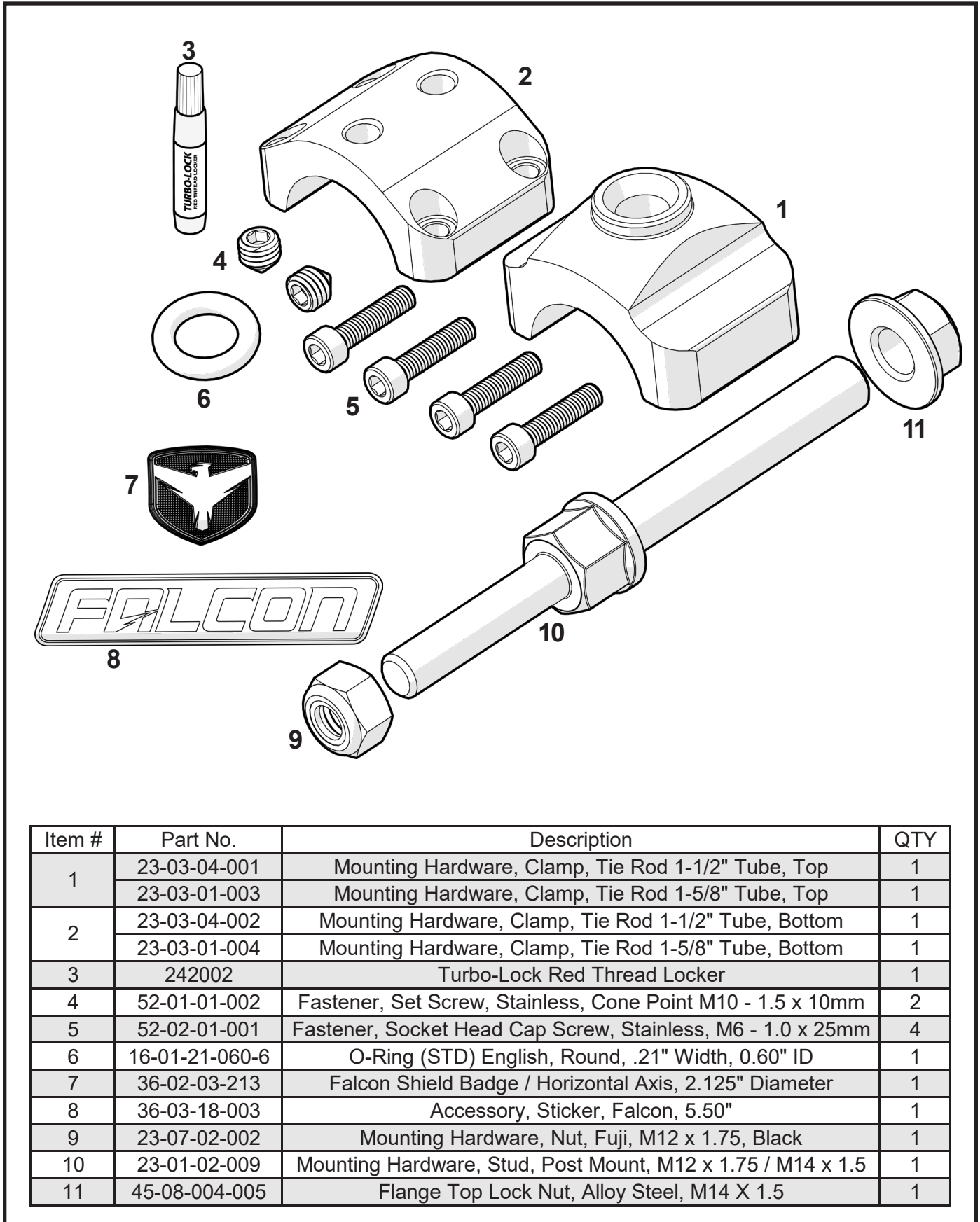
Prior to beginning this install, or any installation, read the instructions thoroughly to familiarize yourself with the required steps. Evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

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 TeraFlex dealer for assistance.

When reinstalling OEM hardware, refer to the torque specs given in the Factory Service Manual

TOOLS NEEDED:

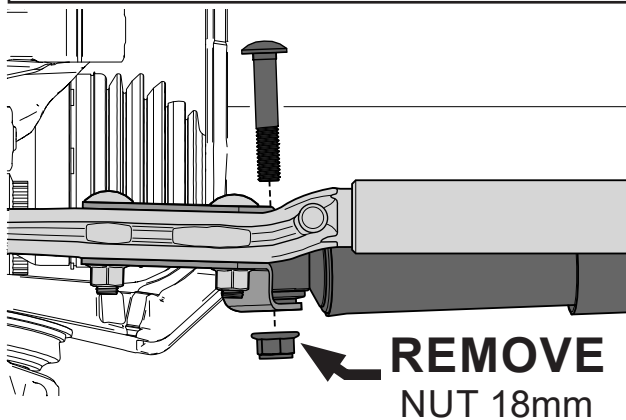
- Torch
- Torque Wrench
- Factory Service Manual
- General Mechanics Tools



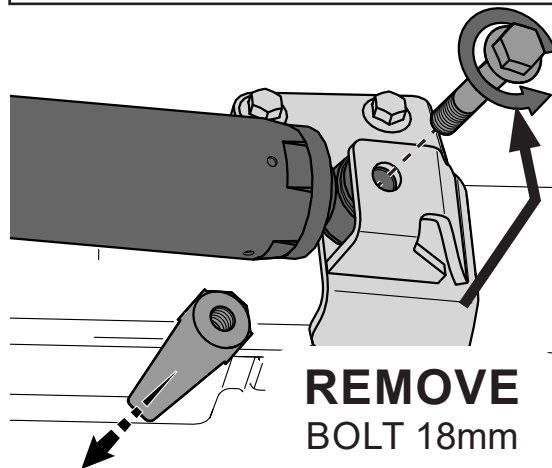
Item #	Part No.	Description	QTY
1	23-03-04-001	Mounting Hardware, Clamp, Tie Rod 1-1/2" Tube, Top	1
	23-03-01-003	Mounting Hardware, Clamp, Tie Rod 1-5/8" Tube, Top	1
2	23-03-04-002	Mounting Hardware, Clamp, Tie Rod 1-1/2" Tube, Bottom	1
	23-03-01-004	Mounting Hardware, Clamp, Tie Rod 1-5/8" Tube, Bottom	1
3	242002	Turbo-Lock Red Thread Locker	1
4	52-01-01-002	Fastener, Set Screw, Stainless, Cone Point M10 - 1.5 x 10mm	2
5	52-02-01-001	Fastener, Socket Head Cap Screw, Stainless, M6 - 1.0 x 25mm	4
6	16-01-21-060-6	O-Ring (STD) English, Round, .21" Width, 0.60" ID	1
7	36-02-03-213	Falcon Shield Badge / Horizontal Axis, 2.125" Diameter	1
8	36-03-18-003	Accessory, Sticker, Falcon, 5.50"	1
9	23-07-02-002	Mounting Hardware, Nut, Fuji, M12 x 1.75, Black	1
10	23-01-02-009	Mounting Hardware, Stud, Post Mount, M12 x 1.75 / M14 x 1.5	1
11	45-08-004-005	Flange Top Lock Nut, Alloy Steel, M14 X 1.5	1

REMOVE STEERING STABILIZER

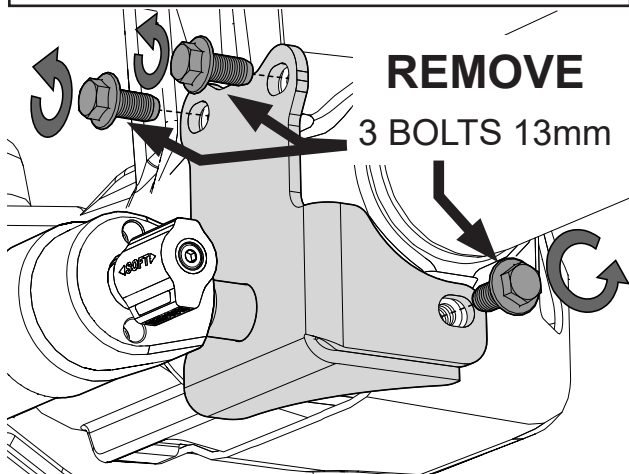
JL/JT OEM TIE ROD MOUNT



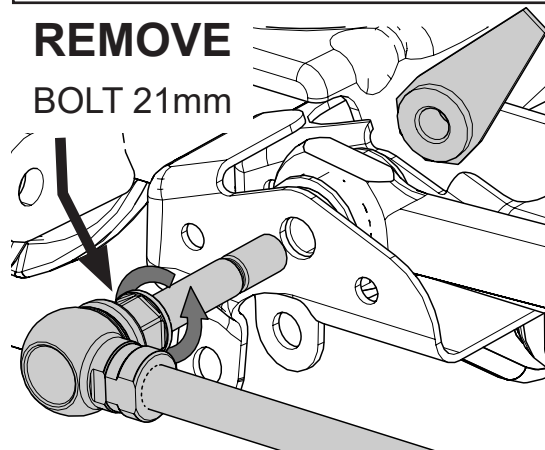
JL/JT OEM AXLE MOUNT



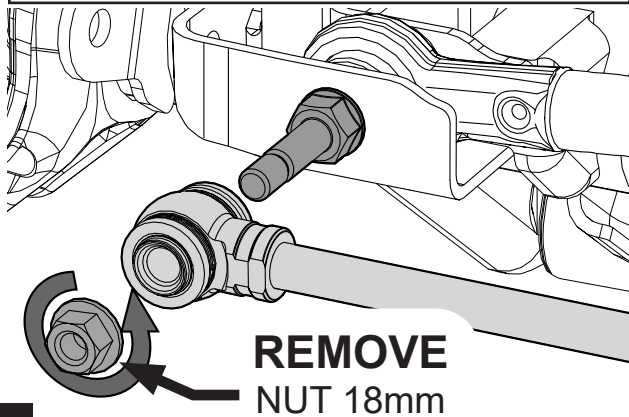
JL/JT FALCON AXLE MOUNT



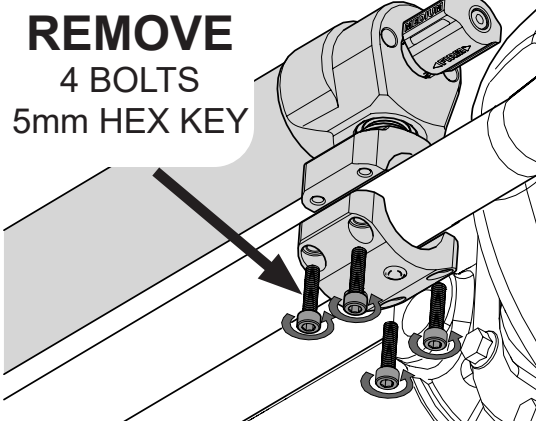
JK/JL/JT FALCON TRACK BAR BOLT MOUNT



JK/JL/JT FALCON TRACK BAR STUD MOUNT



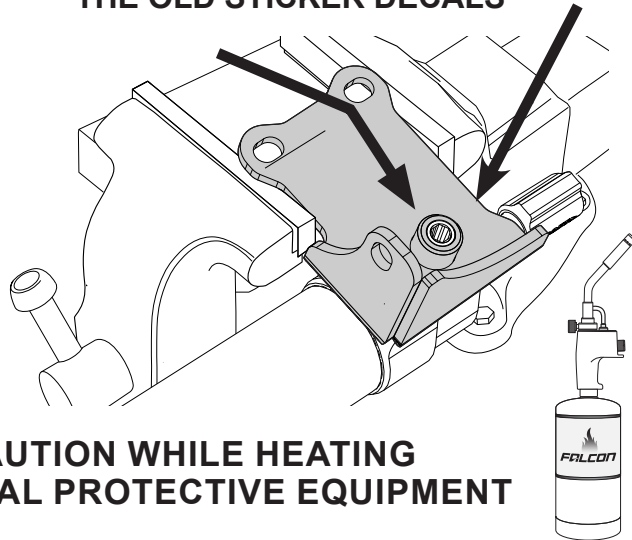
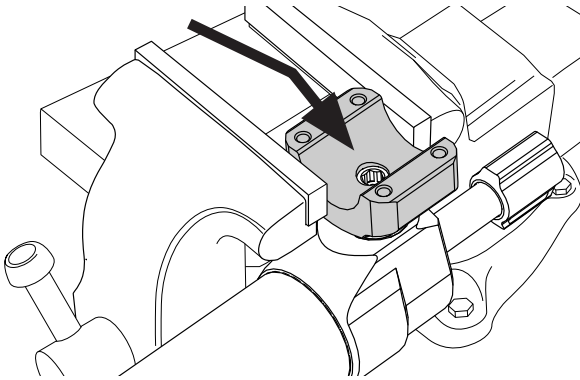
JK/JL/JT FALCON TIE ROD TUBE CLAMP MOUNT



1

**PLACE STABILIZER IN VISE
SECURE CLAMP/BRACKET IN VISE AND
HEAT AROUND STUD TO LOOSEN THREAD LOCK**

**IF YOU ARE WORKING WITH AN EXISTING STABILIZER
WITH THIS BRACKET YOU WILL NEED TO REMOVE
THE OLD STICKER DECALS**



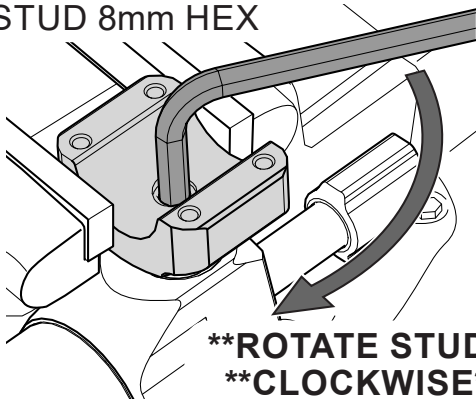
**NOTE: EXERCISE CAUTION WHILE HEATING
AND PLEASE USE PERSONAL PROTECTIVE EQUIPMENT**

2

REMOVE OLD CLAMP

**REMOVE
CLAMP**

STUD 8mm HEX



****ROTATE STUD**
CLOCKWISE**

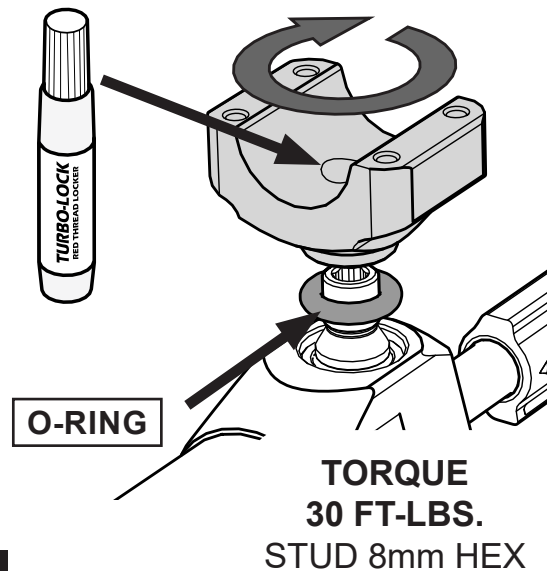
**NOTE: STUD SHOULD BREAK
LOOSE EASILY
REPEAT HEATING (STEP 2)
AS NEEDED**

3

INSTALL NEW CLAMP

**INSTALL PROVIDED O-RING
ONTO THE STUD**

**APPLY THREAD LOCK TO
NEW CLAMP AND INSTALL**



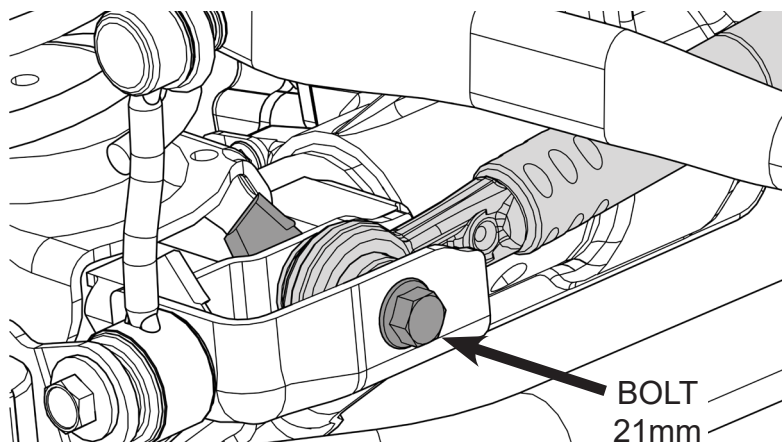
O-RING

**TORQUE
30 FT-LBS.
STUD 8mm HEX**

4

REMOVE THE OEM TRACK BAR BOLT AT THE AXLE

SUPPORT THE AXLE AND
KEEP IT LEVEL TO MAKE THE
NEXT STEP OF INSTALLATION
EASIER

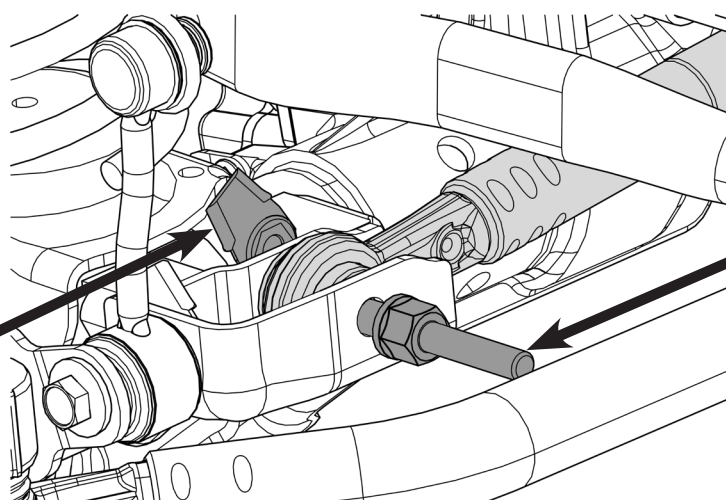


5

INSTALL THE NEW TRACK BAR STUD

DO NOT TIGHTEN
UNTIL THE JEEP IS ON
THE GROUND

USE THE PROVIDED
NUT IF YOU HAVE
DISCARDED YOUR
FACTORY FLAG NUT



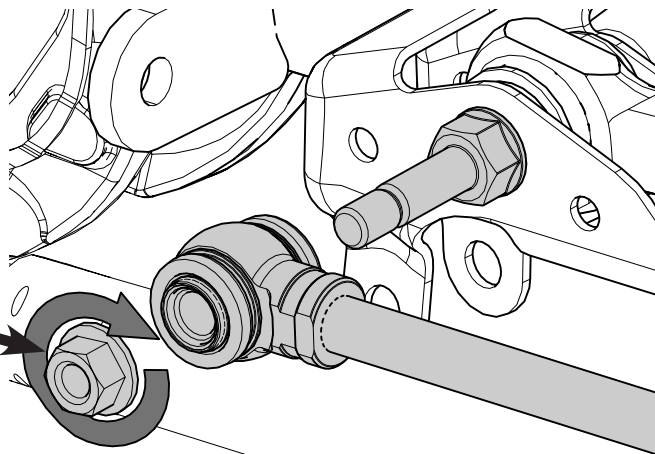
6

NOTE:

REFER TO PAGE 8 IF YOU ARE USING A FRONT TRACK BAR BRACKET

INSTALL THE STABILIZER ONTO THE TRACK BAR STUD

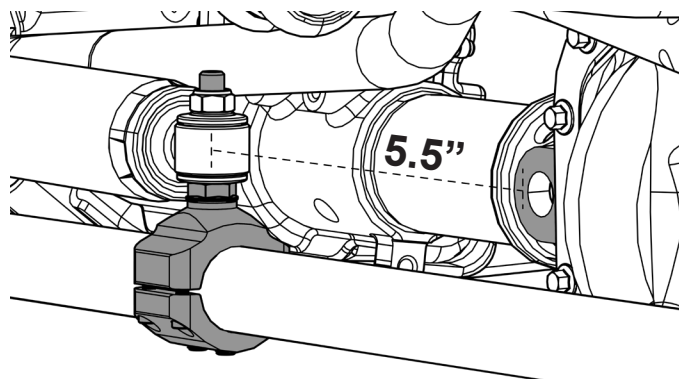
TORQUE 9
90 FT-LBS
NUT 18mm



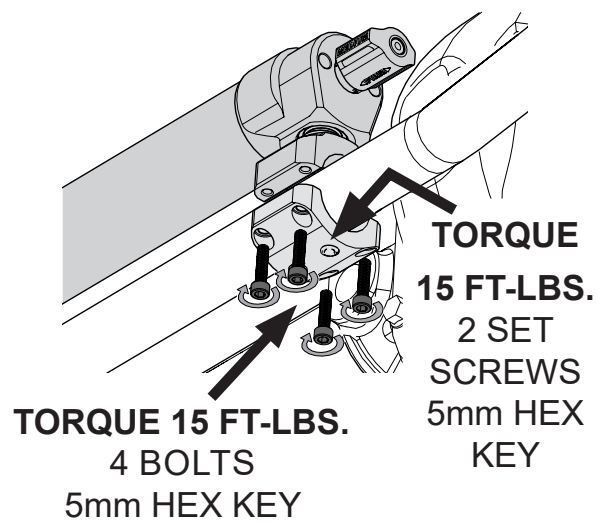
7

ORIENT THE STEERING STABILIZER FOR OPTIMAL CLEARANCE

WITH THE TIRES STRAIGHT COMPRESS THE STABILIZER TO HALF ITS LENGTH. ANGLE THE STABILIZER TOWARDS THE AXLE TO ABOUT 5.5" FROM THE FLAT SURFACE OF THE HOUSING AS SHOWN ABOVE.

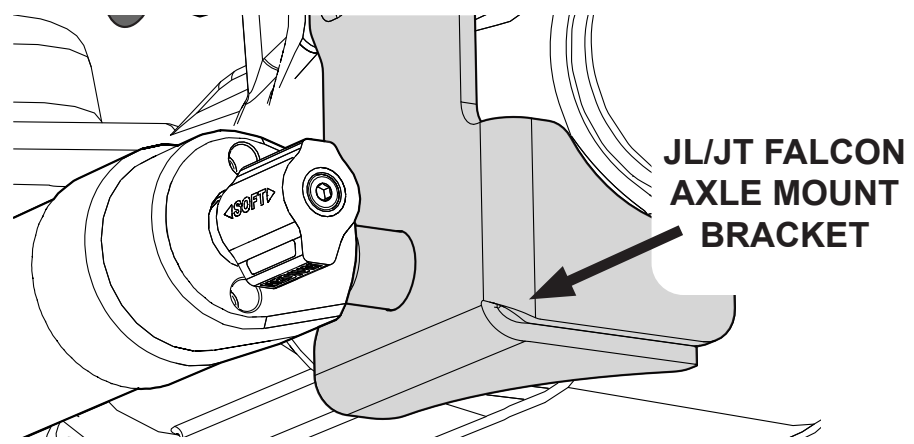


INSTALL THE TIE ROD END OF THE STABILIZER



NOTE: CYCLE THE SUSPENSION AND STEERING TO CHECK FOR PROPER SHOCK BODY CLEARANCE AND TRAVEL
ADJUST CLAMP POSITION ON TIE ROD AS NEEDED

8

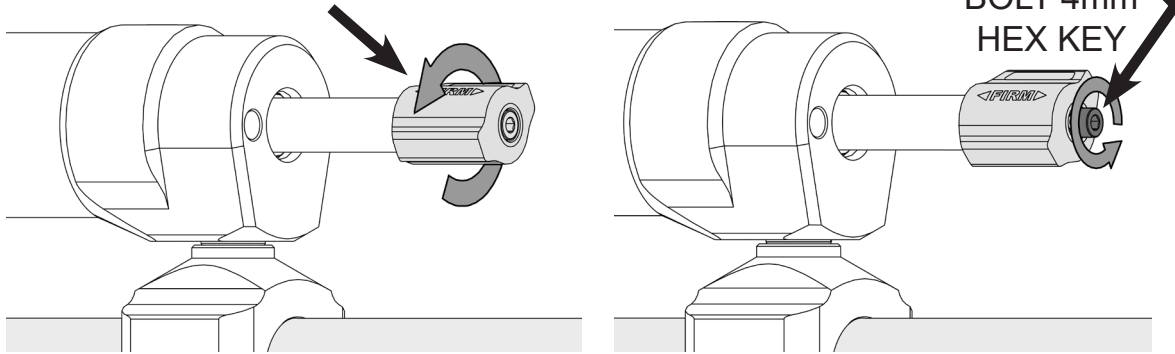


NOTE: JL/JT FALCON STEERING STABILIZERS THAT WERE ORIGINALLY INSTALLED WITH AN AXLE MOUNT BRACKET (AS SEEN ABOVE) WILL NEED THE ADJUSTMENT KNOB RE-CLOCKED AND NEW DECALS INSTALLED. STEPS FOR RE-CLOCKING ADJUSTMENT KNOB ARE ON NEXT PAGE.

RE-CLOCKING ADJUSTMENT KNOB
(ONLY ADJUST IF NEEDED, SEE NOTE ON PREVIOUS PAGE)

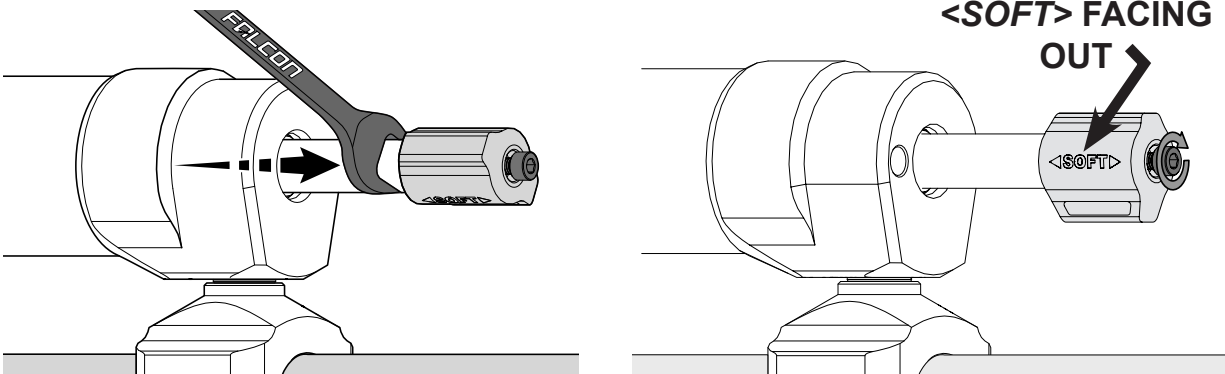
**ROTATE KNOB
COUNTER CLOCKWISE**

**LOOSEN
BOLT 4mm
HEX KEY**



**USE A WRENCH TO TAP KNOB LOOSE FROM SHAFT
AND REPOSITION KNOB WITH <SOFT> FACING OUT**

**<SOFT> FACING
OUT**



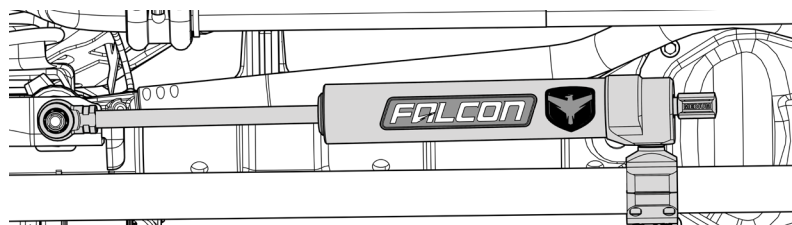
TIGHTEN KNOB BOLT

**WHEN KNOB BOLT STARTS TO GET TIGHT ALLOW
KNOB TO ROTATE TO THE FIRM POSITION AND FINISH
TIGHTENING BOLT.**

**TORQUE
8 IN. LBS.
4mm HEX
KEY**

**TEST FUNCTION OF KNOB FOR PROPER PLACEMENT,
ADJUST IF NEEDED, AND SET TO DESIRED STIFFNESS**

PLACE THE NEW DECALS ON THE FRONT OF THE STABILIZER

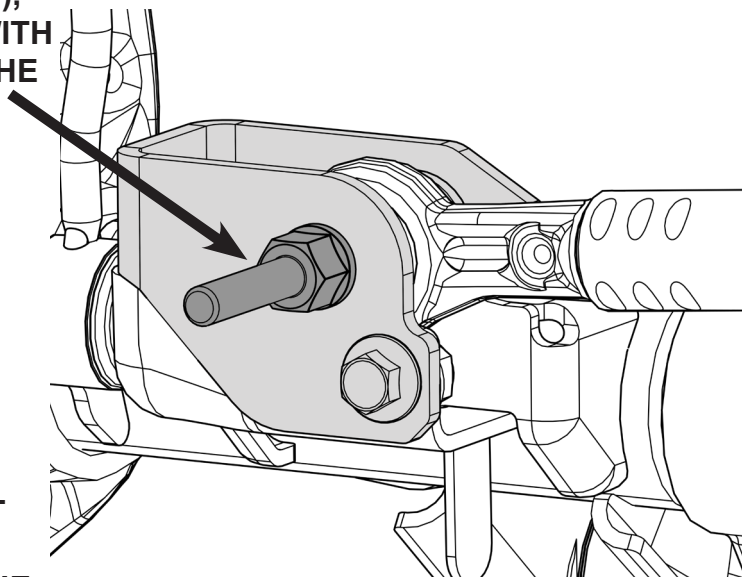


OTHER NOTES

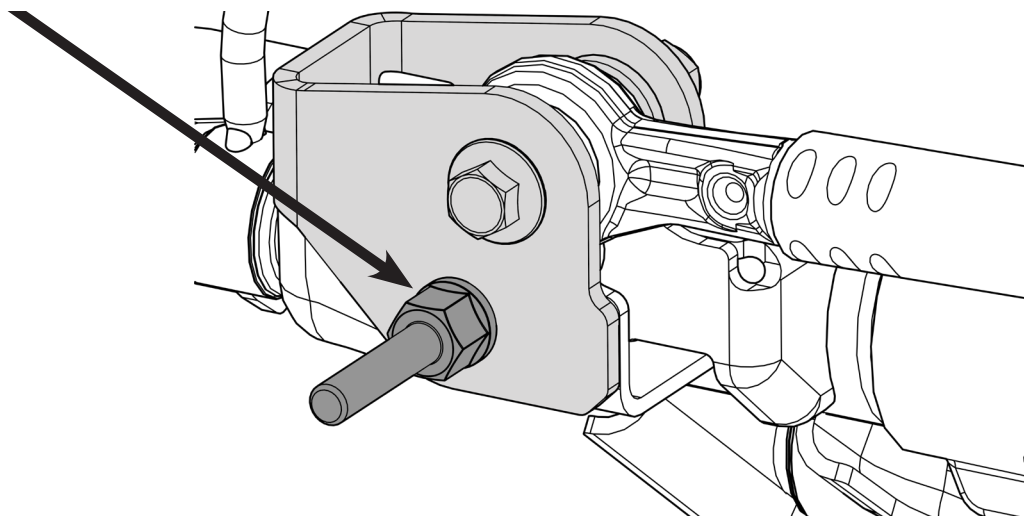
INSTALLATION WITH AFTER MARKET TRACK BAR BRACKET

NOTE: IF POSSIBLE, THE STABILIZER STUD SHOULD ALWAYS GO THROUGH THE ORIGINAL TRACK BAR MOUNT HOLE UNLESS A TRACK BAR BRACKET IS BEING USED THAT DOESN'T ALLOW FOR IT

IF YOU ARE USING OUR 2.5"-4" FRONT TRACK BAR BRACKET (# 1953250), REPLACE THE TRACK BAR BOLT WITH THE STABILIZER STUD AND USE THE OEM FLAG NUT OR THE INCLUDED FLANGE NUT TORQUE TO 200 FT LBS



IF YOU ARE USING OUR 4.5" FRONT TRACK BAR BRACKET (# 1953500), REPLACE THE LOWER BOLT WITH THE STABILIZER STUD AND USE THE OEM FLAG NUT OR THE INCLUDED FLANGE NUT TORQUE TO 200 FT LBS





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:

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 product warranty apply.

All TeraLow products are covered by the TeraFlex two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

TeraFlex 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. TeraFlex Inc. 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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