



Jeep JT 3.5" Spring Lift

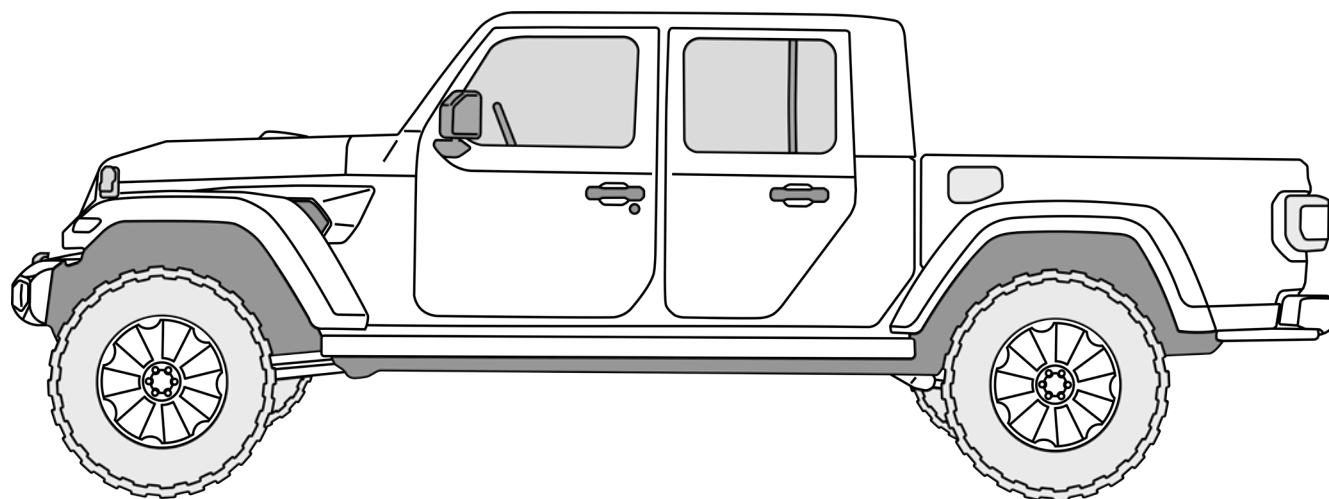
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1365000

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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.

This product will change the highway handling characteristics of your vehicle, exercise caution. After altering the suspension it is always advisable to have an alignment done by a competent 4 wheel drive shop or by an alignment shop that is experienced with lifted 4 wheel drive vehicles.


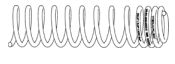






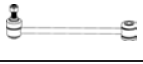
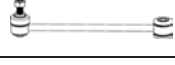

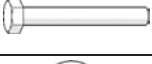






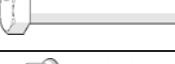




Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local TeraFlex dealer for assistance.

Tools Needed:





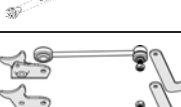

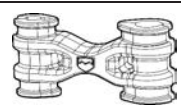




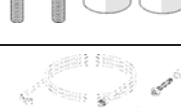


- | | |
|--|---------------------------|
| - Metric Sockets and Open End Wrenches | - Factory Service Manual |
| - Torque Wrench | - General Mechanics Tools |
-

Maintenance Note:

After the first 300 miles and every 3,000 miles after that, re-torque all the suspension components and bolts.

Spring Box Components	Description		Item #	RT3	Alpine CT3	Sport ST3	Base Lift
		1 Front Spring	02-21-401-400-1	2	2	2	2
		2 Rear Spring	02-23-401-150-1	2	2	2	2
		3 Front Bumpstops	12-01-109-200	-	2	2	2
		4 Front Bumpstop Spacer	12-02-109-050	-	4	4	4
		5 Rear Top Bumpstop Spacers 1.5"	12-01-309-150	2	2	2	2
		6 Rear Top Bumpstop Spacer Rings .5"	12-01-309-050	2	2	2	2
		7 Rear Bumpstop Spacers	12-02-309-050	4	4	4	2
		8 Front Track Bar Bracket	1953250	1	1	1	1
		9 Front Swaybar link 11.50"	21-01-001-115	-	-	-	2
		10 Rear Swaybar Link 13.0"	21-01-001-130	-	-	-	2
		11 M10 x 30mm OD Flat Washer	45-10-003-003	4	4	4	4
		12 M10 X 1.50 X 70mm Hex Head Bolt	45-21-001-001	2	2	2	2
		13 M10 x 1.5 Fuji Nut	23-07-03-001	2	2	2	2
		14 M10 x 1.5 x 100mm Flat Socket Cap Screw	45-04-003-001	-	2	2	2
		15 M8 x 1.25mm Yellow Zinc Fuji Nut	23-07-03-002	-	4	4	4
		16 M8 x 1.25 x 30mm Hex Flange Bolt	45-02-003-016	4	4	4	4
		17 Rear Upper Bumpstop Spacer	56-10-05-044-1-1	2	2	2	2
		18 Nut Wrench Tool	600271	-	1	1	1
		19 M14 x 1.5 x 80mm Hex Cap Screw	45-01-005-002	1	1	1	1
		20 M12 x 1.75 x 25mm Hex Flange Bolt	45-02-005-003	2	2	2	2
		21 M14 X 1.5 Flange Top Lock Nut	45-08-004-005	1	1	1	1
		22 M12 X 1.75 Flange Top Lock Nut	45-08-004-006	1	1	1	1
		23 M14 x 28mm OD Flat Washer	45-10-005-004	1	1	1	1

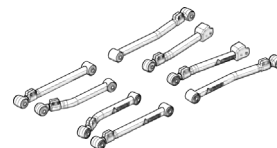
Other Boxed Kits

	Description	Item #	RT3	Alpine CT3	Sport ST3	Base Lift
	Alpine Control Arm Kit	1417500	-	1	-	-
	Alpine IR Control Arm Kit	1417550	1	-	-	-
	SpeedBump Kit 2"	1968352	1	-	-	-
	Front Track Bar	1753420	1	1	-	-
	Rear Track Bar	1764420	1	-	-	-
	Front Sway Bar Quick Disconnect	1764000	1	1	1	-
	Front Brake Line Anchor Kit	1101255	1	1	1	-
	Rear Brake Line Anchor Kit	1101455	1	1	1	-
	Rear Trail Rate Forged S/T Swaybar Kit	1774700	1	1	1	-
	Front Drop Bracket Kit	1938125	-	-	1	-
	Rear Control Arm Bracket Kit	1938225	1	1	1	-
	Rear Track Bar Bracket	1963600	1	1	1	-
	JT Driveline Spacer Kit	4801000	1	1	1	-
	JT Extended Travel Accessory Kit	4834100	1	1	1	-
	JT Rear Upper / Lower Spring Retainer Kit	4954000	1	1	1	-

NOTES

***FOR ALPINE & ALPINE IR CONTROL ARM KITS: Before continuing refer to Instruction #999373**

-CONTROL ARMS WITH  BUSHINGS can be torqued with the Jeep raised in the air.



-CONTROL ARMS WITH  BUSHINGS Will need to leave the control arms loose until the end of the installation.

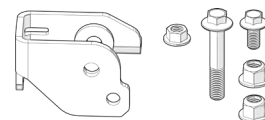
***FOR SPEEDBUMP KITS: Before continuing refer to Instruction #999370**



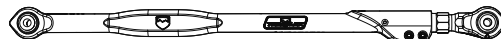
***FOR FRONT TRACK BAR: Refer to Instruction #999340**



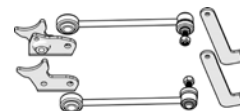
***FOR FRONT TRACK BAR BRACKET: Refer to Instruction #999341**



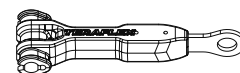
***FOR REAR TRACK BAR: Refer to Instruction #999384**



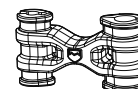
***FOR FRONT QUICK DISCONNECTS: Refer to Instruction #999372**



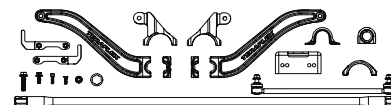
***FOR FRONT BRAKE LINE ANCHORS: Refer to Instruction #999267**



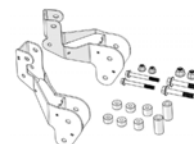
***FOR REAR BRAKE LINE ANCHORS: Refer to Instruction #999396**



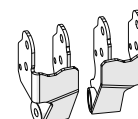
***FOR REAR TRAIL RATE FORGED S/T SWAYBAR: Refer to Instruction #999404**



***FOR FRONT DROP BRACKETS: Before continuing refer to Instruction #999309**

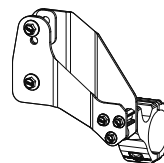


***FOR REAR CONTROL ARM BRACKET: Before continuing refer to Instruction #999398**

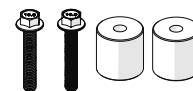


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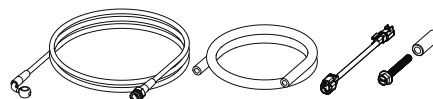
***FOR REAR TRACK BAR BRACKETS:** Refer to Instruction #999391



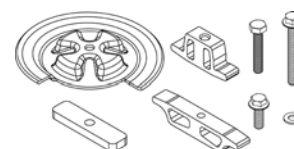
***FOR JT DRIVELINE SPACER KIT:** Refer to Instruction #999401



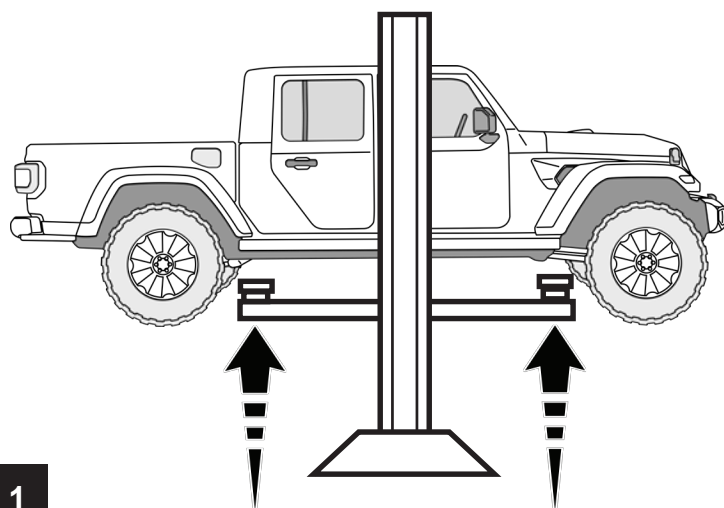
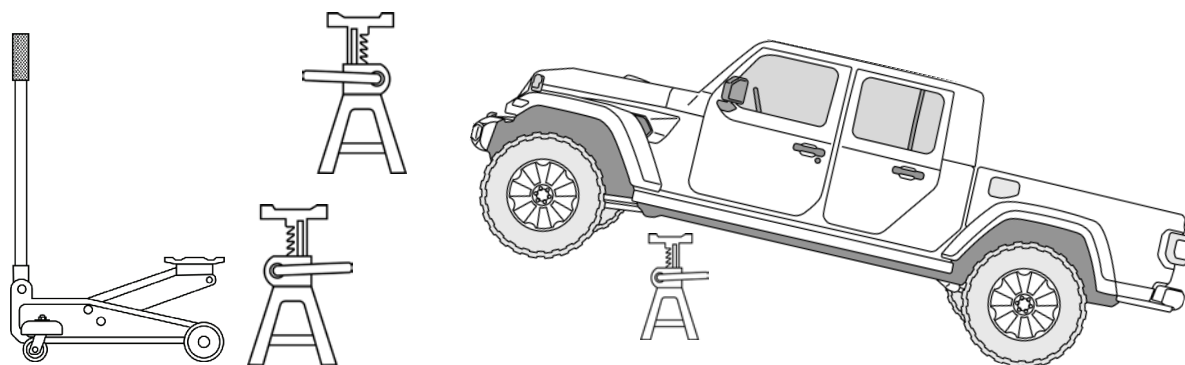
***FOR JT EXTENDED TRAVEL ACCESSORY KIT:** Refer to Instruction #999402



***FOR JT REAR UPPER & LOWER SPRING RETAINERS:** Before continuing refer to Instruction #999389

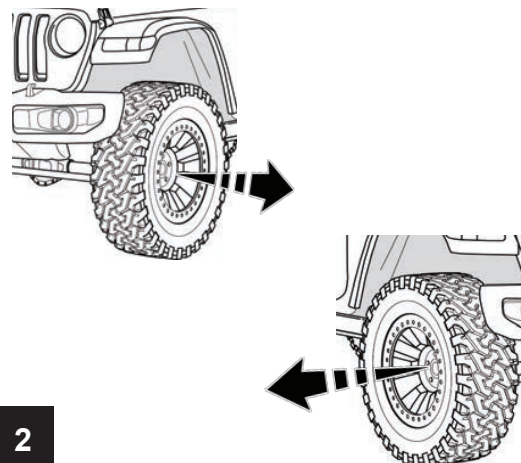


FRONT INSTALLATION LIFT AND SUPPORT AT FRAME

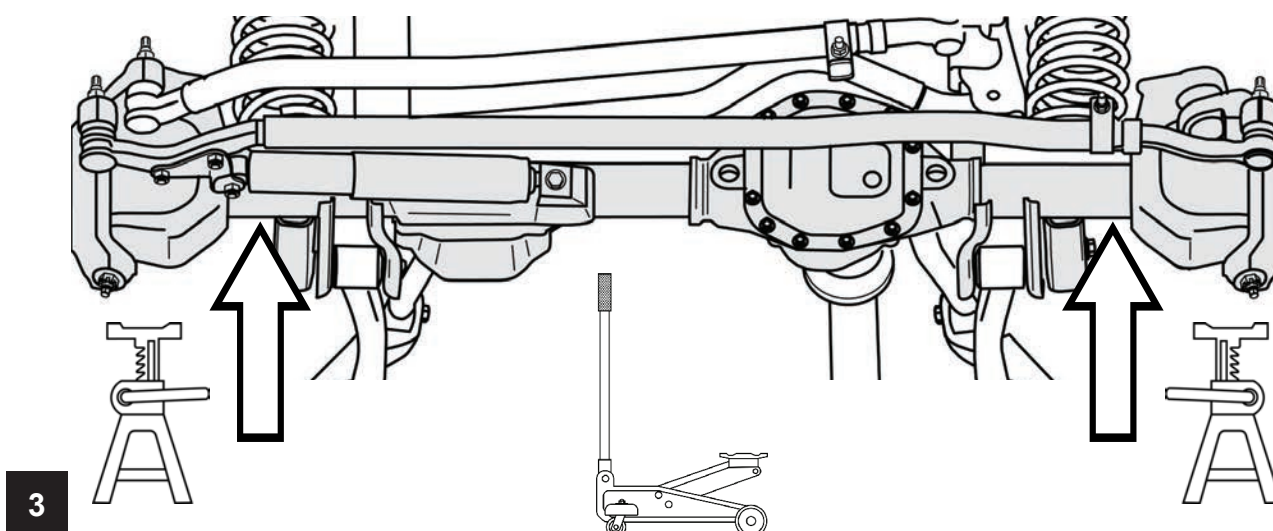
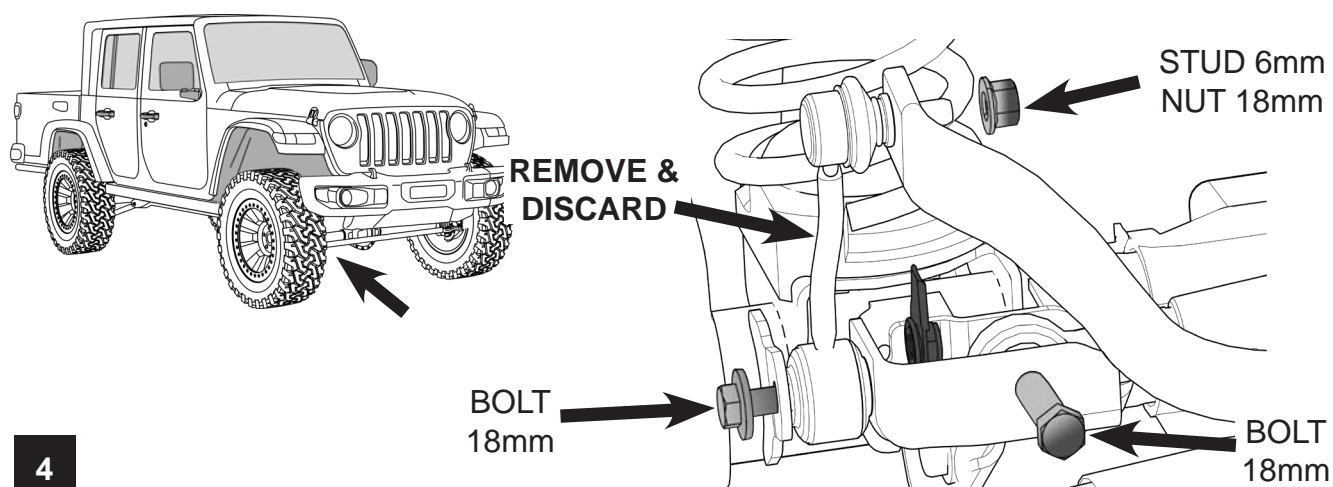
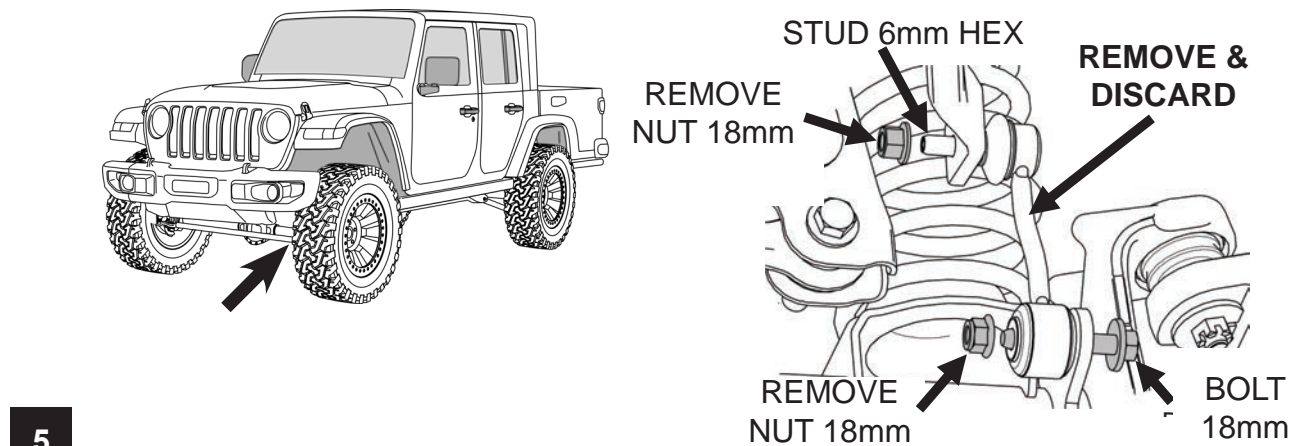


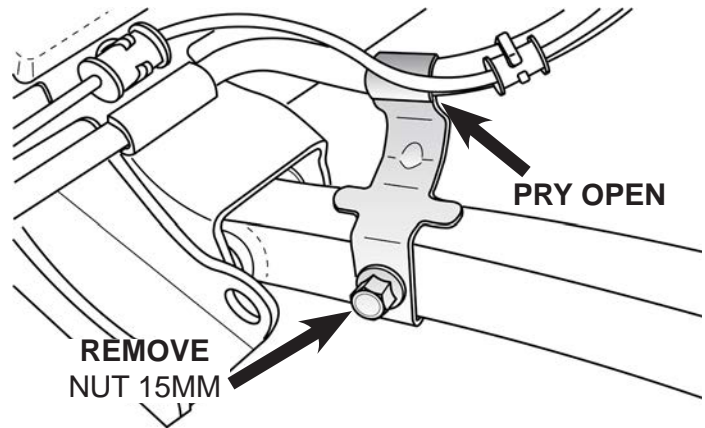
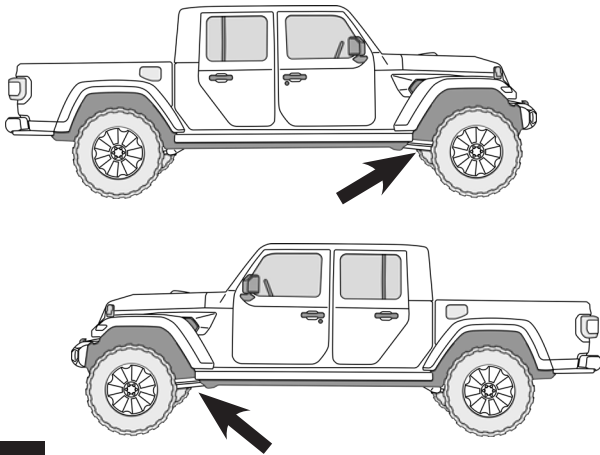
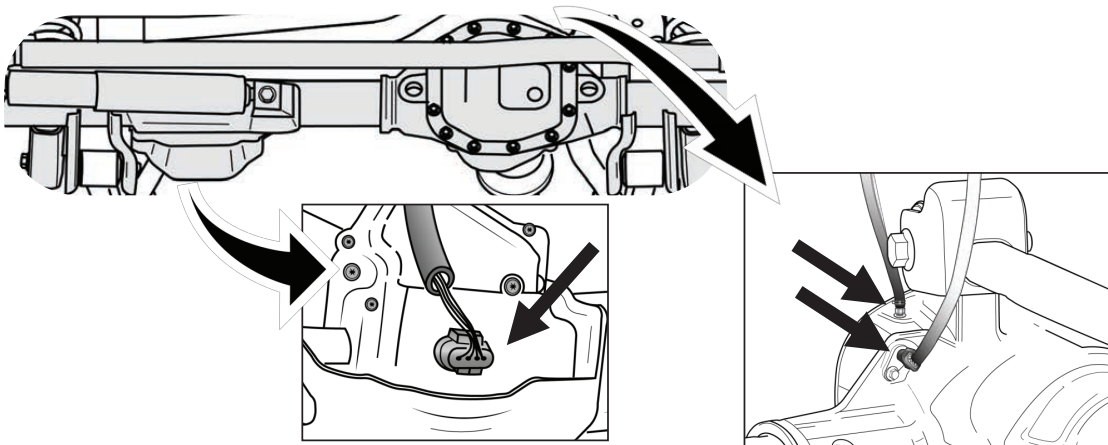
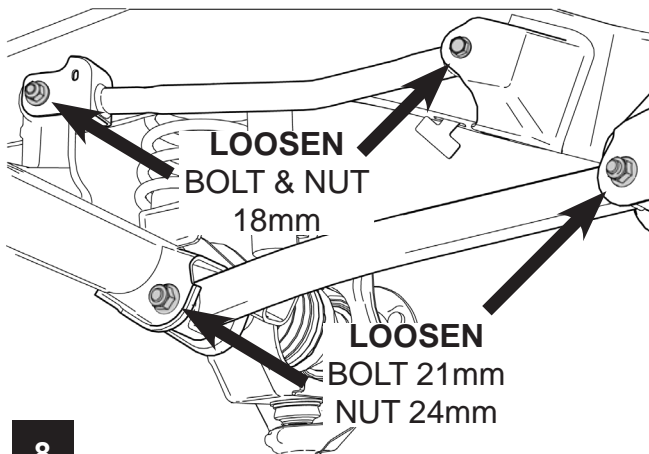
1

REMOVE FRONT TIRES

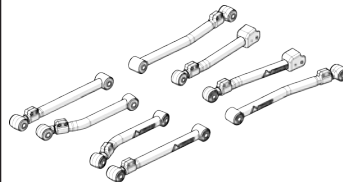


2

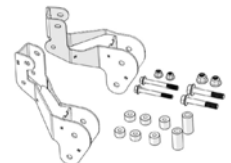
SUPPORT THE FRONT AXLE**REMOVE PASSENGER SWAY BAR LINK & REMOVE TRACK BAR BOLT AT THE AXLE****REMOVE DRIVER SWAY BAR LINK**

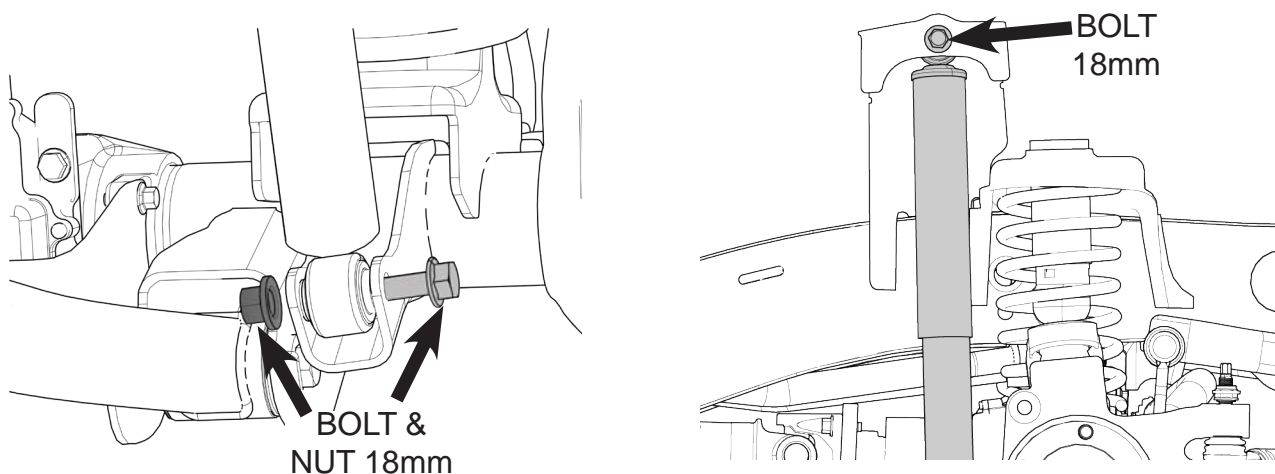
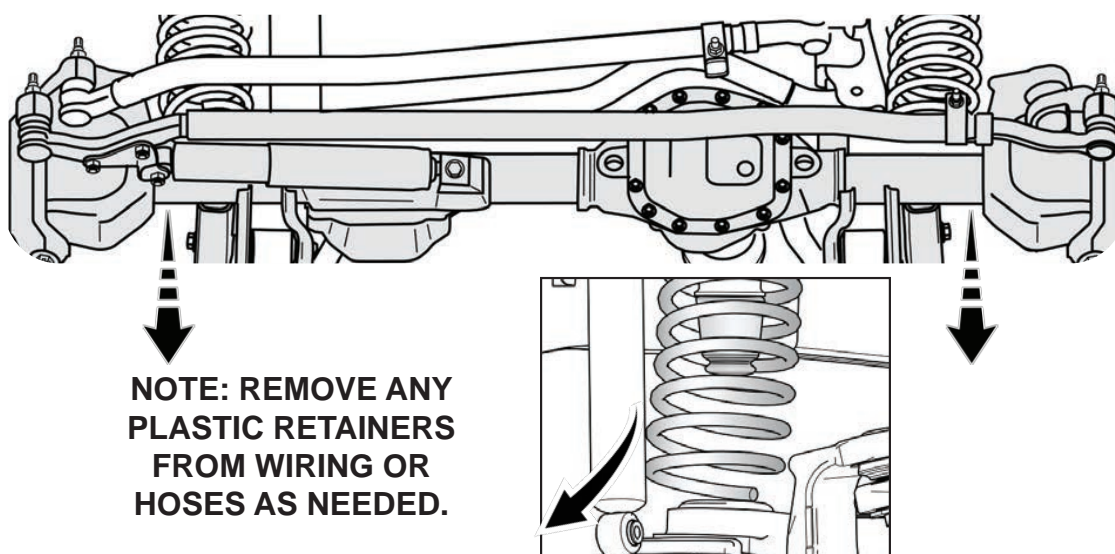
REMOVE AND DISCARD BRAKE LINE BRACKETS FROM LOWER CONTROL ARMS**6****DISCONNECT ACTUATORS AND VENT HOSE AT THE FRONT AXLE****7****LOOSEN FRONT CONTROL ARM BOLTS****NOTE: DO NOT REMOVE THE CONTROL ARM BOLTS****8**

**NOTE: IF INSTALLING
ALPINE ARMS, REFER TO
INSTRUCTION #999373**

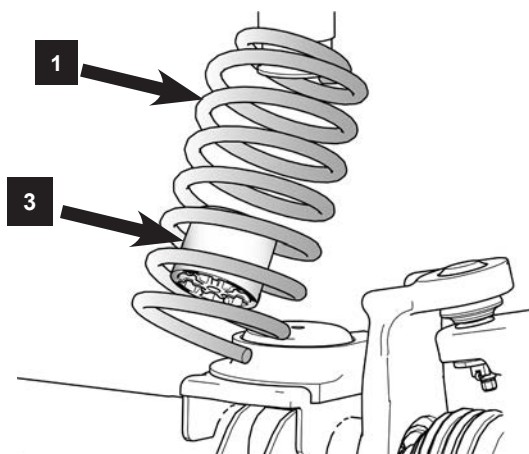
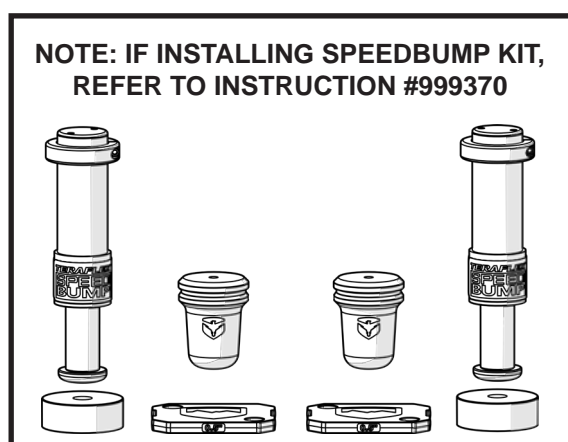


**NOTE: IF INSTALLING
FRONT DROP
BRACKETS, REFER TO
INSTRUCTION #999309**

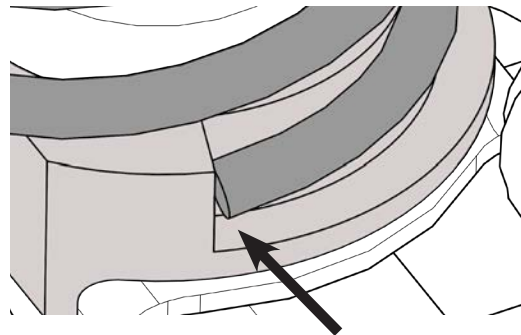
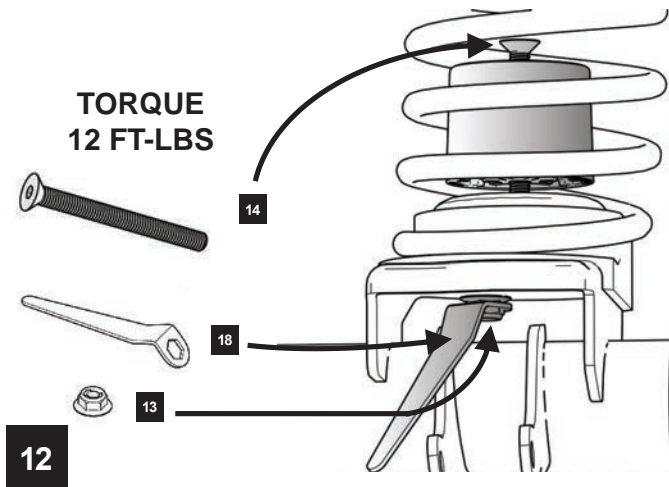


REMOVE FRONT SHOCKS**LOWER AXLE AND REMOVE FRONT SPRINGS****INSTALL FRONT SPRINGS AND LOWER BUMPSTOPS**

NOTE: REFER TO PAGE 16 FOR BUMPSTOP AMOUNT

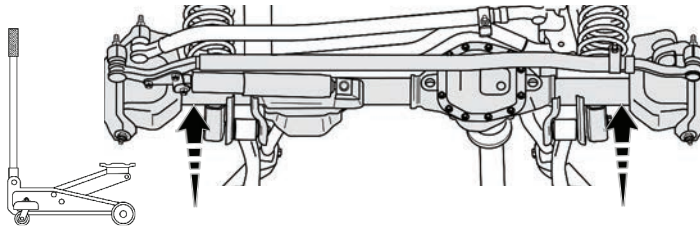


INSTALL THE BUMPSTOP ONTO THE AXLE AND FULLY SEAT THE SPRINGS INTO THE LOWER SPRING PERCH



MAKE SURE SPRING IS FULLY SEATED ON PERCH

RAISE AXLE & INSTALL NEW SHOCKS



FOR INSTALLING FALCON SHOCKS

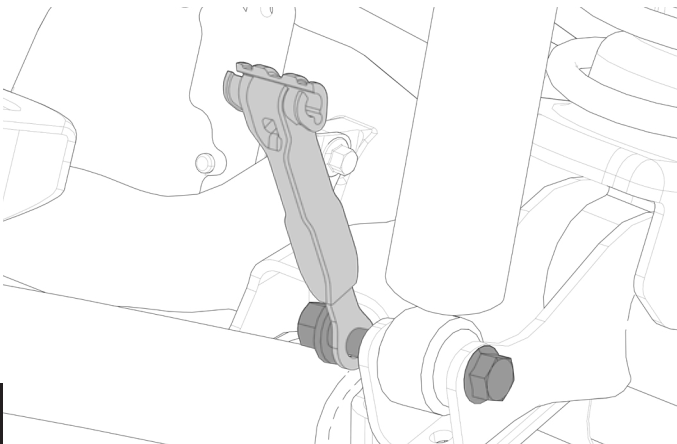
(REFER TO QUICK START GUIDE INSIDE FALCON SHOCK BOX)



NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, LOWER THE JEEP TO THE GROUND BEFORE TORQUING THE CONTROL ARM BOLTS.

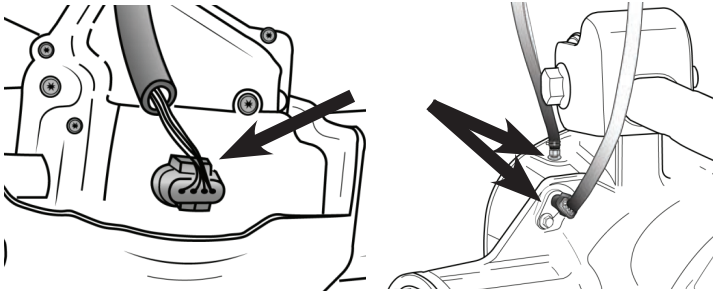
NOTE: IF INSTALLING CONTROL ARMS WITH *ALPINE IR BUSHINGS* THE CONTROL ARM BOLTS CAN BE TORQUED WITH THE JEEP RAISED. REFER TO PAGE 15 FOR TORQUE SETTINGS

13



NOTE: IF INSTALLING FRONT BRAKE LINE ANCHORS, REFER TO THE INSTRUCTIONS ON THE BACK OF THE BOX.

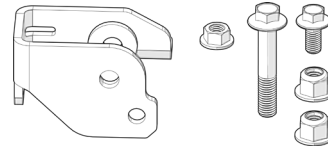
14

RECONNECT CONNECTIONS TO FRONT AXLE

RECONNECT PLASTIC RETAINERS FROM WIRING OR HOSES AS NEEDED.

15

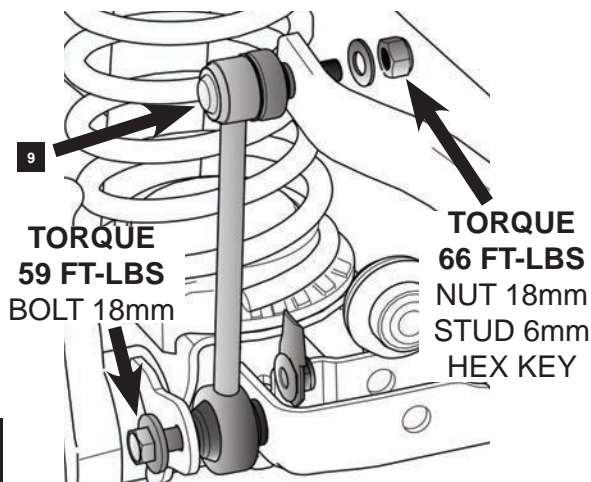
NOTE: FOR INSTALLING FRONT TRACK BAR BRACKET, REFER TO INSTRUCTION #999341



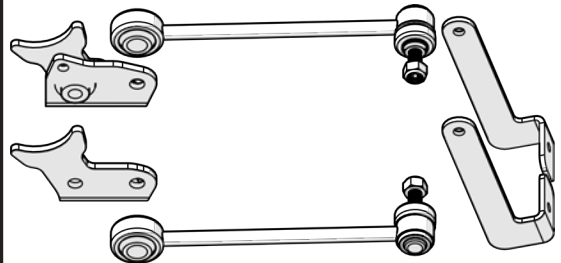
NOTE: IF INSTALLING FRONT TRACK BAR, REFER TO INSTRUCTION #999340



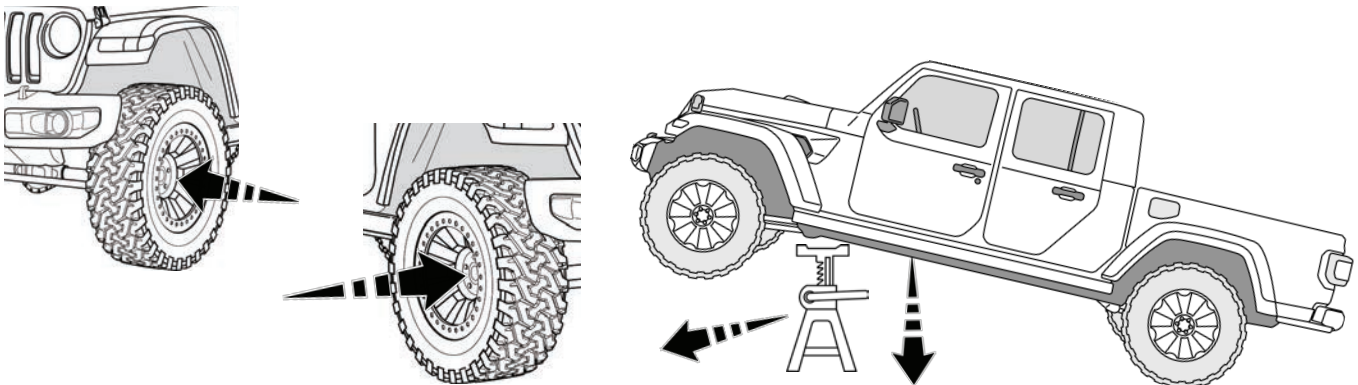
NOTE: IT IS EASIEST TO REINSTALL TRACK BAR AFTER JEEP IS BACK ON THE GROUND

16**INSTALL NEW SWAY BAR LINKS****17**

NOTE: IF INSTALLING QUICK DISCONNECTS, REFER TO INSTRUCTIONS #999372



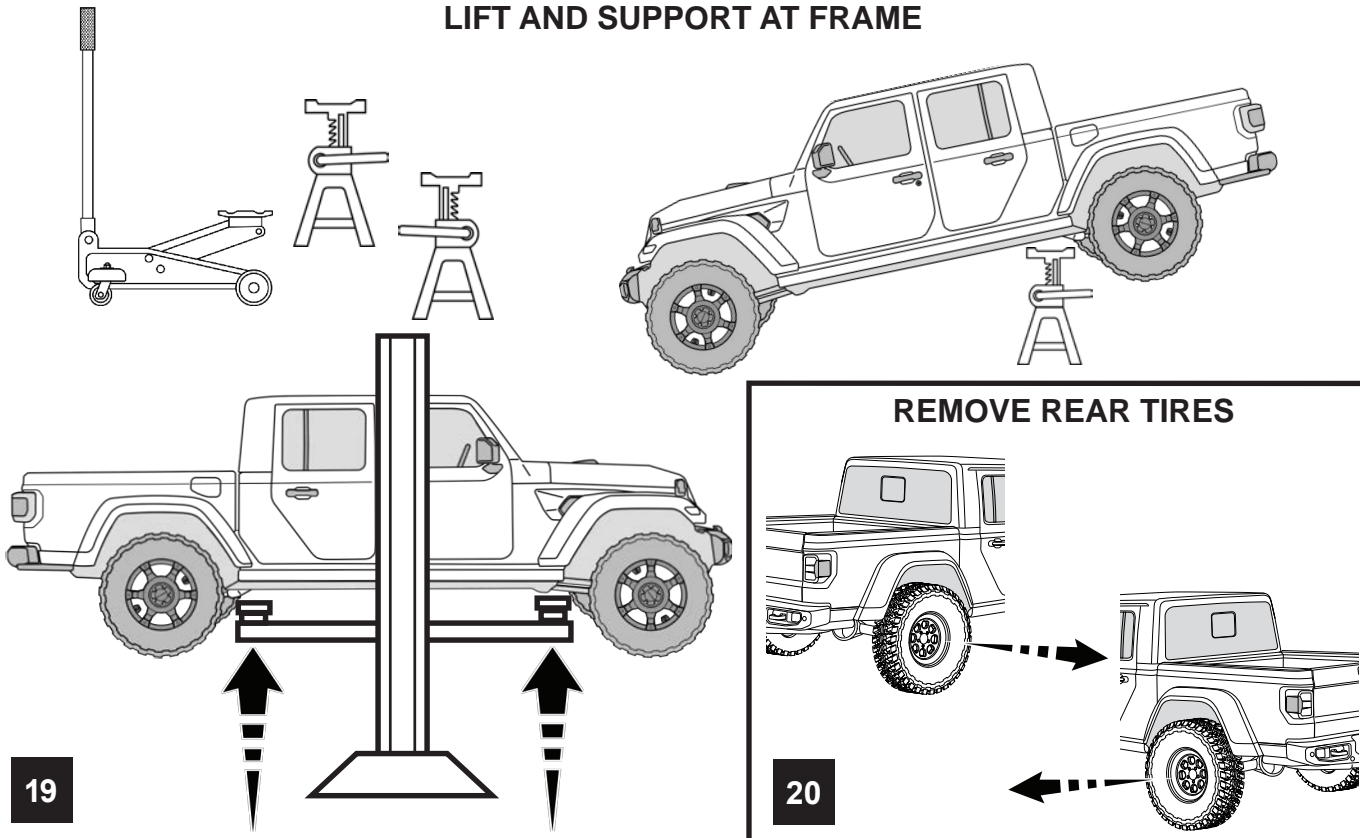
NOTE: IF ONLY FRONT OF JEEP WAS LIFTED, REINSTALL TIRES AND LOWER JEEP BACK TO THE GROUND BEFORE LIFTING THE REAR

**18**

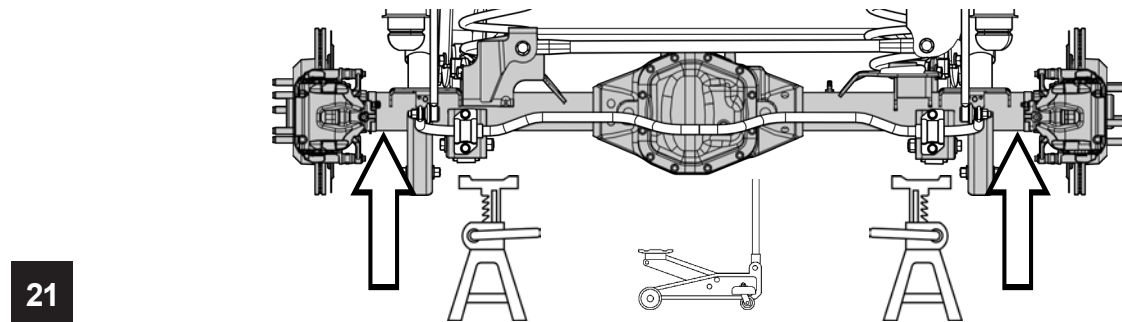
TORQUE THE FRONT TIRES TO 130 FT LBS

REAR INSTALLATION

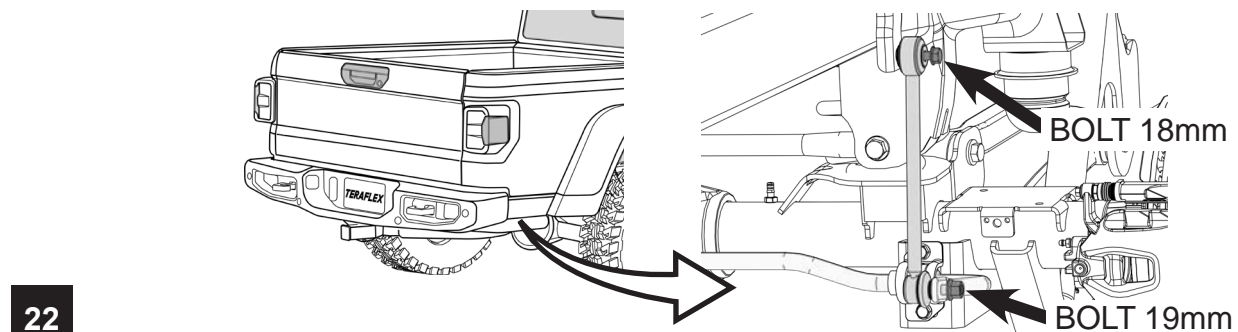
LIFT AND SUPPORT AT FRAME

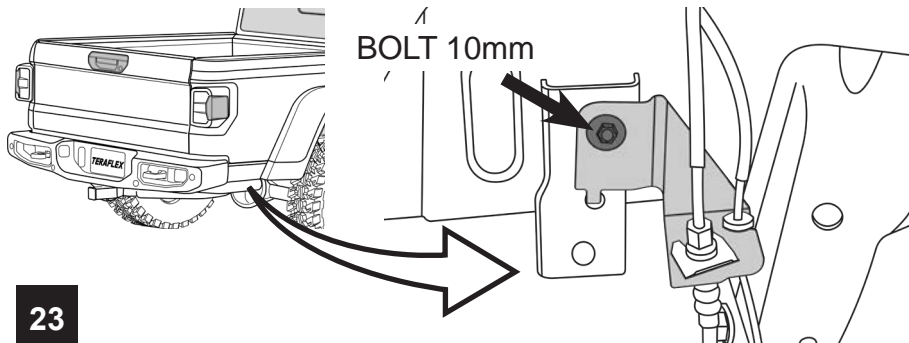


SUPPORT REAR AXLE

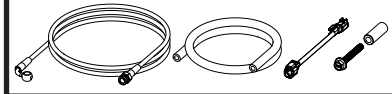
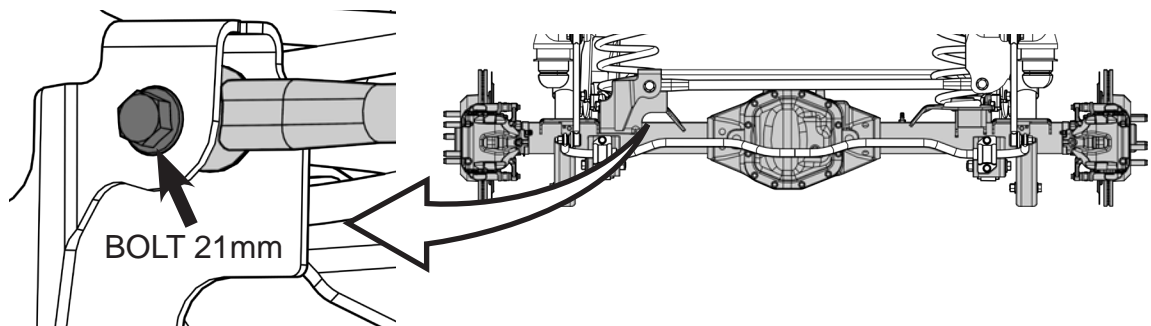
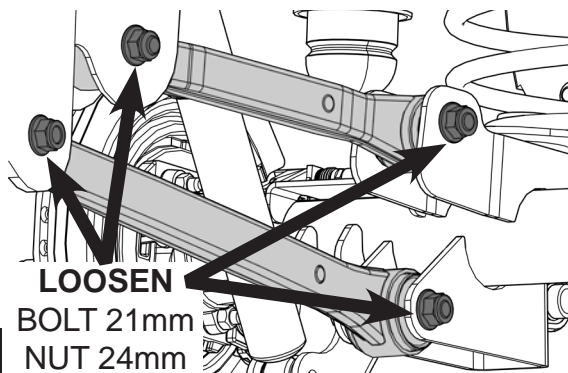


REMOVE SWAY BAR LINKS

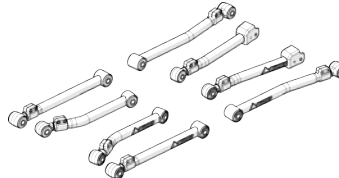


TEMPORARILY REMOVE BRAKE LINE BRACKETS FROM BOTH SIDES OF THE FRAME

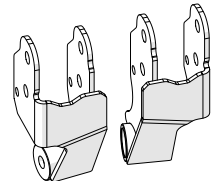
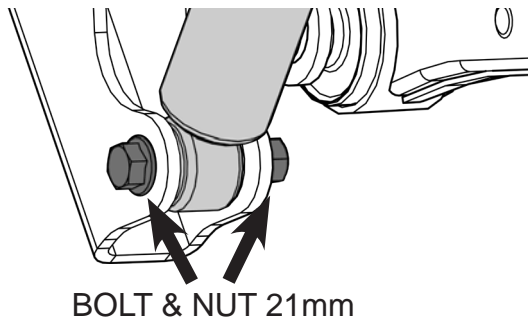
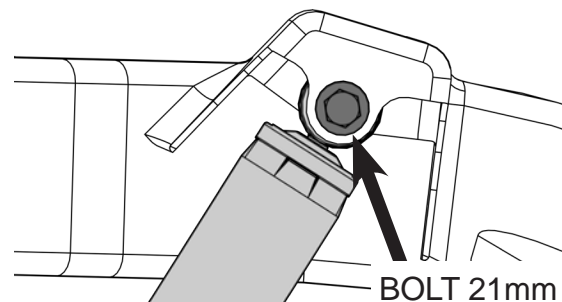
**NOTE: IF INSTALLING
EXTENDED TRAVEL
ACCESSORY KIT, REFER
TO INSTRUCTION #999402**

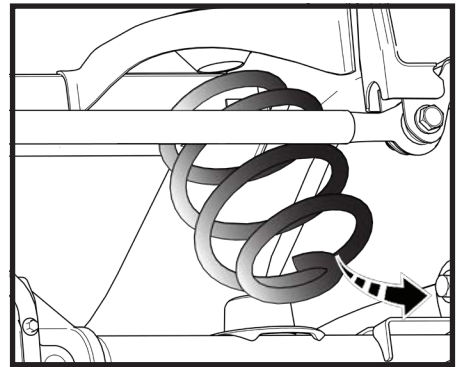
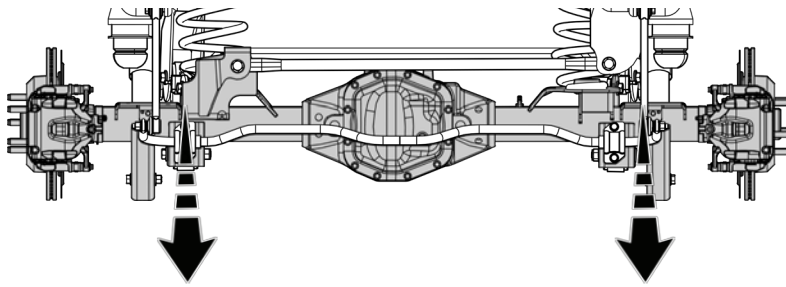
**23****REMOVE THE TRACK BAR FROM THE AXLE****24****LOOSEN REAR CONTROL ARM BOLTS****NOTE: DO NOT REMOVE CONTROL ARM BOLTS****25**

**NOTE: IF INSTALLING
ALPINE ARMS, REFER TO
INSTRUCTION #999373**

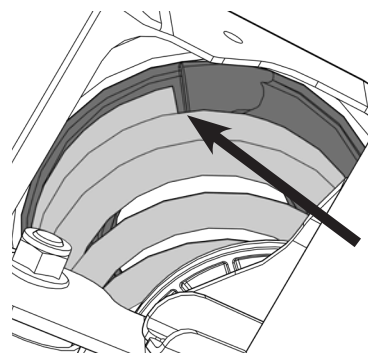
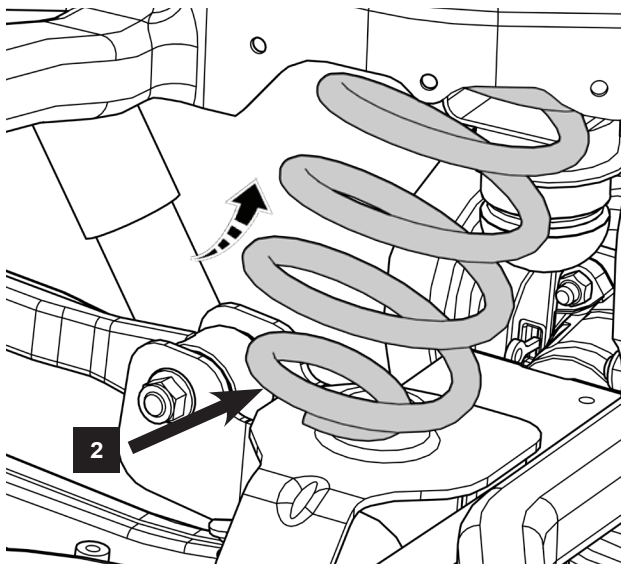


**NOTE: IF INSTALLING
REAR CONTROL ARM
BRACKETS, REFER TO
INSTRUCTION #999398**

**REMOVE THE REAR SHOCKS****26**

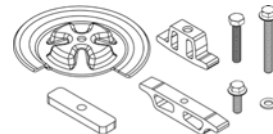
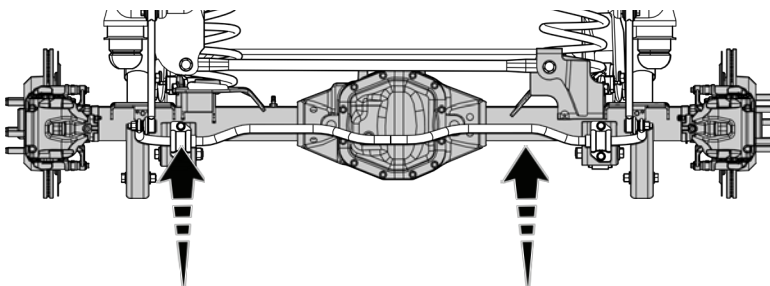
LOWER AXLE TO REMOVE REAR SPRINGS**27**

NOTE: REMOVE ANY PLASTIC RETAINERS FROM WIRING OR HOSES AS NEEDED.

INSTALL THE NEW REAR SPRINGS

**MAKE SURE
SPRING
IS FULLY
SEATED ON THE
UPPER PERCH**

**NOTE: IF INSTALLING SPRING
RETAINERS, REFER TO
INSTRUCTIONS #999389**

**28****RAISE THE REAR AXLE AND INSTALL NEW SHOCKS****INSTALLING FALCON SHOCKS**

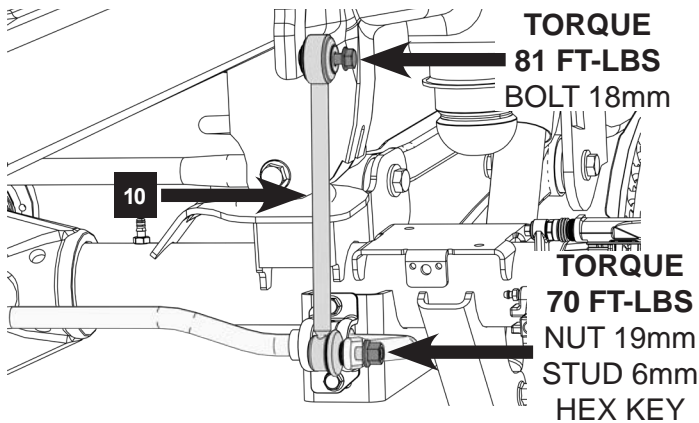
(REFER TO QUICK START GUIDE INSIDE
FALCON SHOCK BOX)



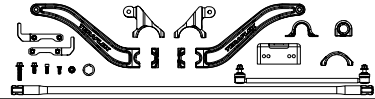
NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, AND THE JEEP WAS RAISED FOR INSTALLATION, LOWER THE JEEP TO THE GROUND AND FINISH INSTALLATION BY TORQUING THE CONTROL ARM BOLTS.

NOTE: IF INSTALLING CONTROL ARMS WITH *ALPINE IR BUSHINGS* THE CONTROL ARMS CAN BE TORQUED WITH THE JEEP RAISED IN THE AIR. REFER TO PAGE 15 FOR TORQUE SETTINGS

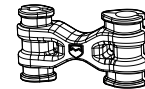
29

INSTALL THE NEW REAR SWAY BAR ENDLINKS**30**

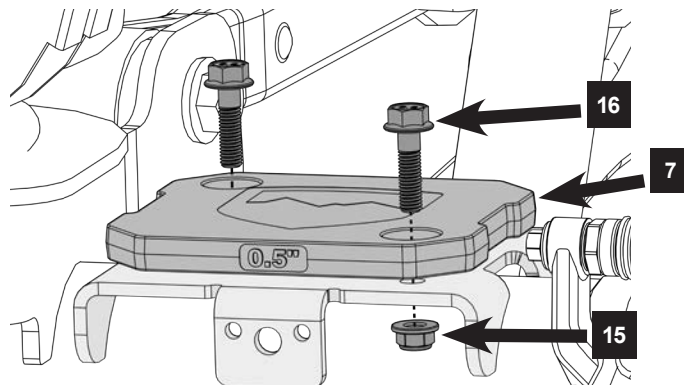
NOTE: IF INSTALLING REAR TRAIL RATE SWAYBAR, REFER TO INSTRUCTION #999404



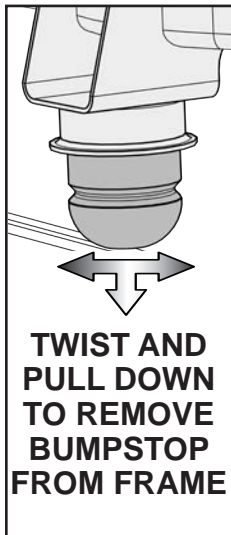
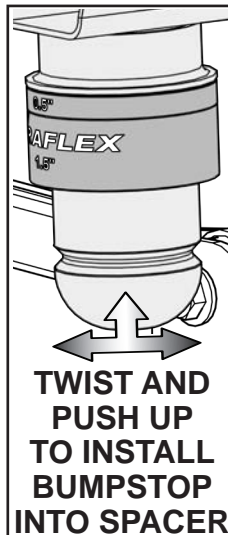
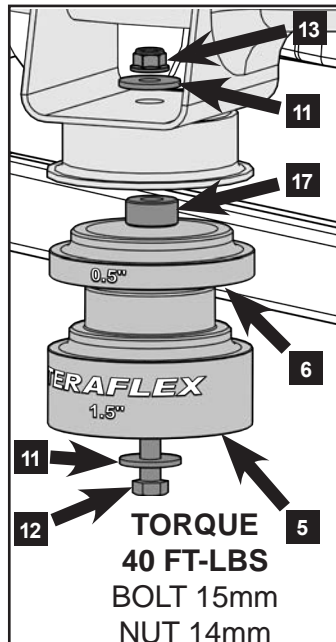
NOTE: IF INSTALLING REAR BRAKE LINE ANCHORS, REFER TO INSTRUCTION #999396

**INSTALL THE REAR BUMPSTOPS**

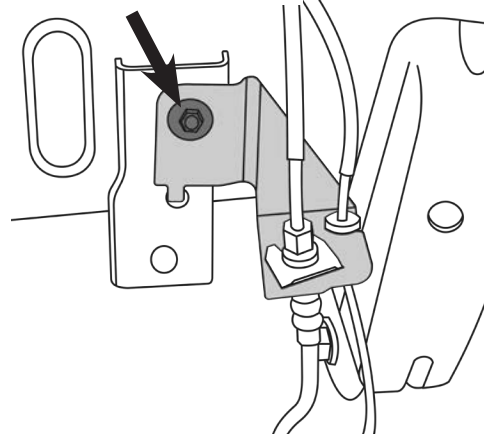
NOTE: REFER TO PAGE 16 FOR BUMPSTOP AMOUNT

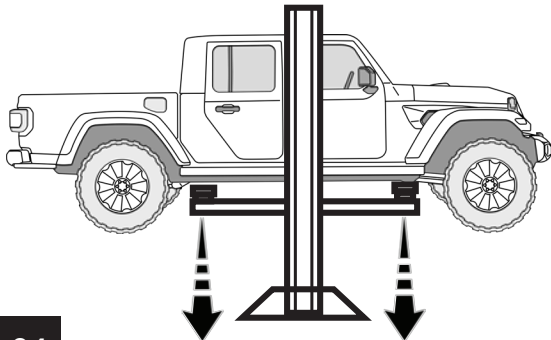
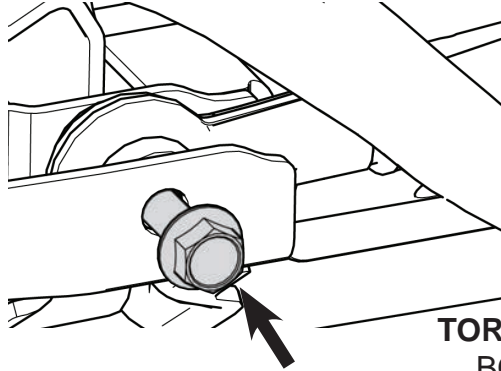
**31****INSTALL UPPER BUMPSTOP SPACER**

NOTE: REFER TO PAGE 16 FOR SPACER AMOUNT

**32****REINSTALL THE BRAKE LINE BRACKETS TO THE FRAME**

**TORQUE 6 FT LBS
BOLT 10mm**

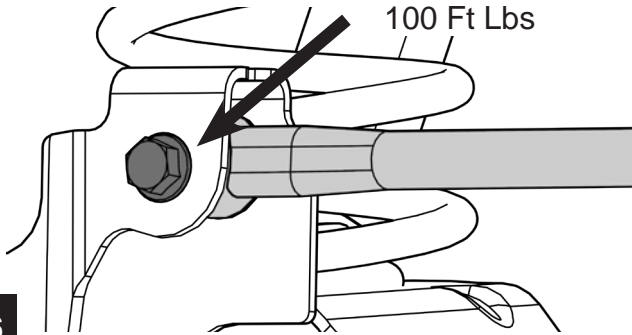
**33**

REINSTALL TIRES AND LOWER TO THE GROUND**34****TORQUE TO 130 FT LBS****REINSTALL FRONT TRACK BARS AT THE AXLE****35**

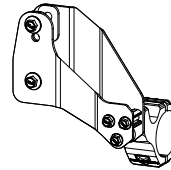
**TORQUE FRONT
BOLT 18mm
52 Ft Lbs + 155°
(REF: 230-250 Ft Lbs)**

REINSTALL REAR TRACK BARS AT THE AXLE

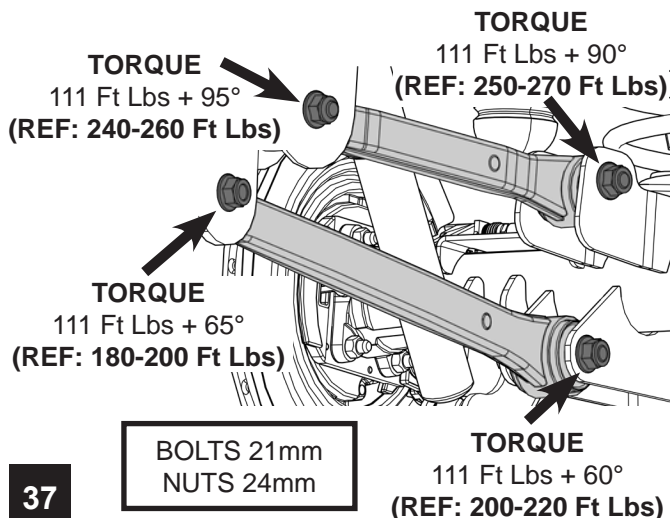
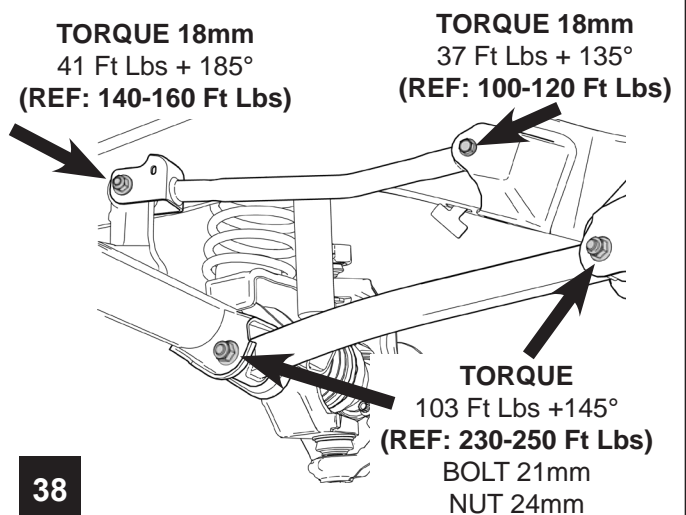
**TORQUE REAR
BOLT 21mm
100 Ft Lbs**

**36**

**NOTE: IF INSTALLING REAR TRACK BAR
BRACKET, REFER TO INSTRUCTION #999391**



**NOTE: IF INSTALLING REAR TRACK BAR,
REFER TO INSTRUCTION #999384**

**TORQUE REAR CONTROL ARM****37****TORQUE FRONT CONTROL ARMS****38**

JT TIRE CLEARANCE GUIDE for vehicles with FACTORY FENDER FLARES

TeraFlex Bump Stop Strike Pad Extensions allow the use of larger tires and factory fender flares by limiting suspension up travel.

JT Rubicon models feature high-clearance fenders that allow for more up travel, while the lower-clearance fenders on JT Sport and Overland restricts tire size due to fender rubbing.

In order to address these fender differences, TeraFlex designed a proprietary modular bump stop system, which can be adapted to fit several different tire size configurations.

JT RUBICON

with Factory Fender Flares:

33" TIRES

- No Front or Rear Bump Stop

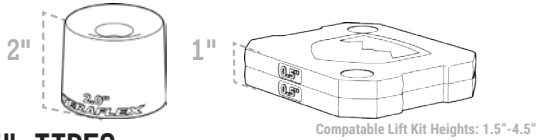
Compatible Lift Kit Heights: 1.5"

35" TIRES

- When installed with a 1.5" Leveling Kit
- 1" Front & No Rear Bump Stop*

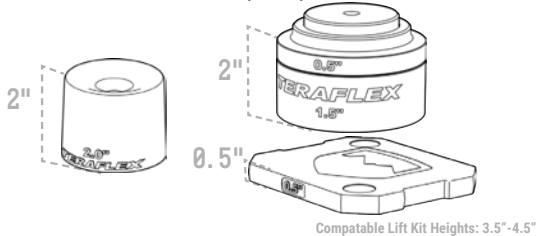
*For vehicles with TERAFLX Nomad Wheels, add 0.5" Bump Stop to the rear axle.

- When installed with a 2.5"+ Lift Kit
- 2" Front & 1" Rear Bump Stops



37" TIRES

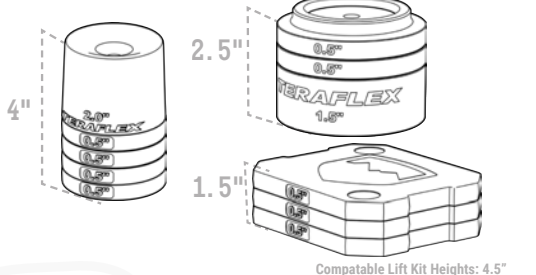
- 2" Front & 2.5" Rear Bump Stops



39" TIRES

- 4" Front & 4" Rear Bump Stops

**Additional Bump Stops Required



Additional 0.5" shims can be added to fine tune bump stop height and further limit suspension up travel.

IMPORTANT: Recommended Bump Stop configuration is based on tested tires. Not all tires measure the same. Before driving, cycle the suspension to check for rubbing or contact of the shocks, springs, or suspension componets.

JT SPORT/OVERLAND

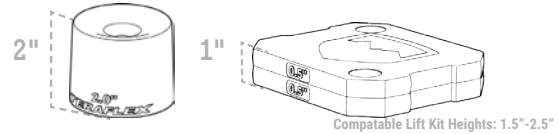
with Factory Fender Flares:

33" TIRES

- When installed with a 1.5" Leveling Kit
- 1" Front & No Rear Bump Stop*

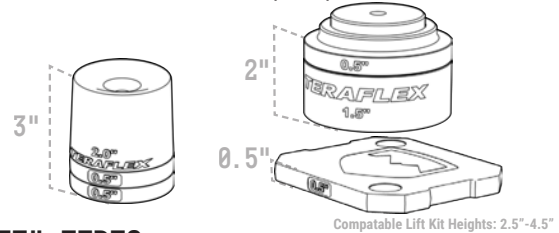
*For vehicles with TERAFLX Nomad Wheels, add 0.5" Bump Stop to the rear axle.

- When installed with a 2.5"+ Lift Kit
- 2" Front & 1" Rear Bump Stops



35" TIRES

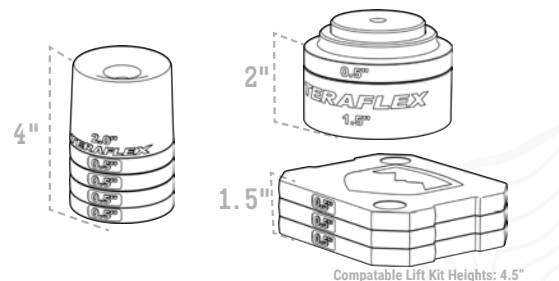
- 3" Front & 2.5" Rear Bump Stops



37" TIRES

- 4" Front & 3.5" Rear Bump Stops (2" Upper/1.5" Lower)

**Additional Bump Stops Required



Notes:

- Additional Front and Rear Bump Stop Strike Pads are available for individual purchase.
- If installing on a Eco-Diesel Jeep, the jounce tubes are 1.375" longer, so you should subtract 1.375" from the front bump stop stack.
- A minimum of 2" bump stop is needed if 3.5"-4.5" Lift Falcon Shocks are installed.



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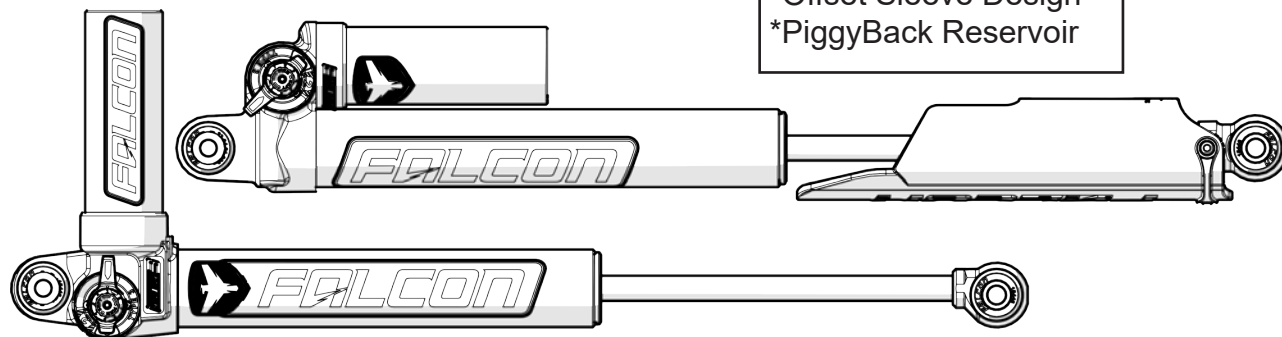
Rev C 999368

2-3 Inch Shock Options

JT Falcon Adjustable PiggyBack Shocks

- 4 Door Series 3.3, 14-02-33-400-150

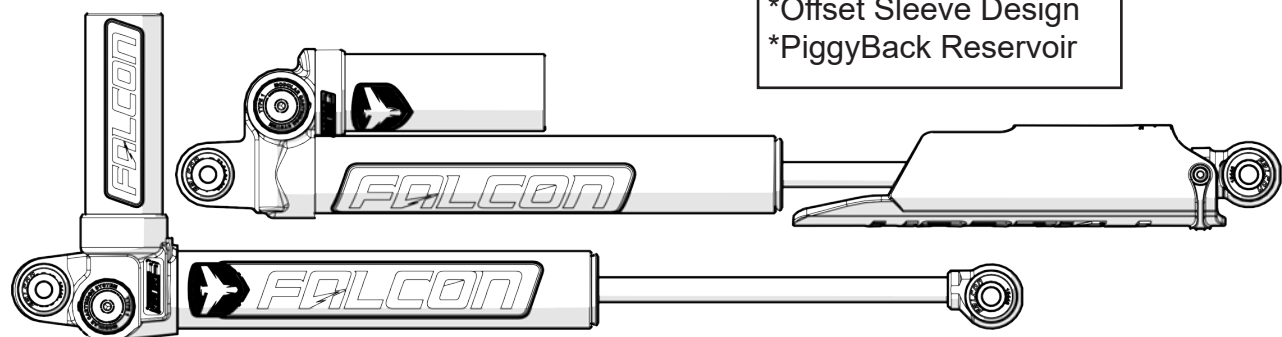
- *Fast Adjust Knob
- *High Flow Oil Channel
- *Offset Sleeve Design
- *PiggyBack Reservoir



JT Falcon PiggyBack Shocks

- 4 Door Series 3.1, 14-02-31-400-150

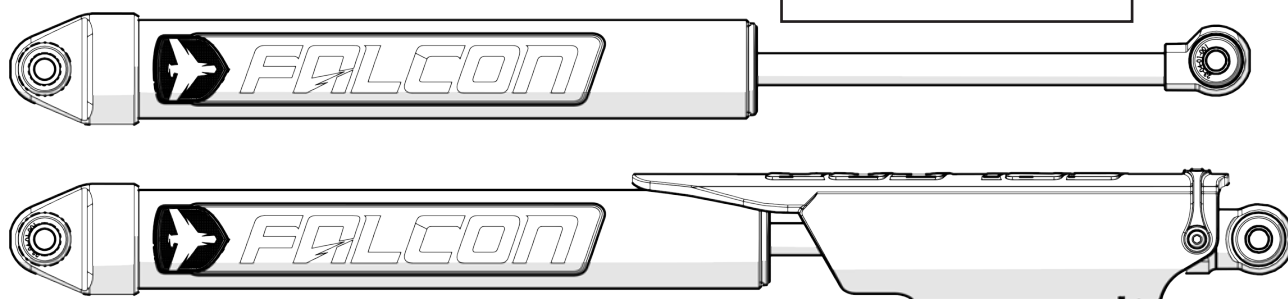
- *Series 3.3 Upgradable
- *High Flow Oil Channel
- *Offset Sleeve Design
- *PiggyBack Reservoir



JT Falcon Monotube Shocks

- 4 Door Series 2.1, 14-02-21-400-200

- *Oil Gas Separator
- *3/4" Chrome Shaft
- *Offset Sleeve Design
- *JT Specific Shock



TERAFLEX

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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