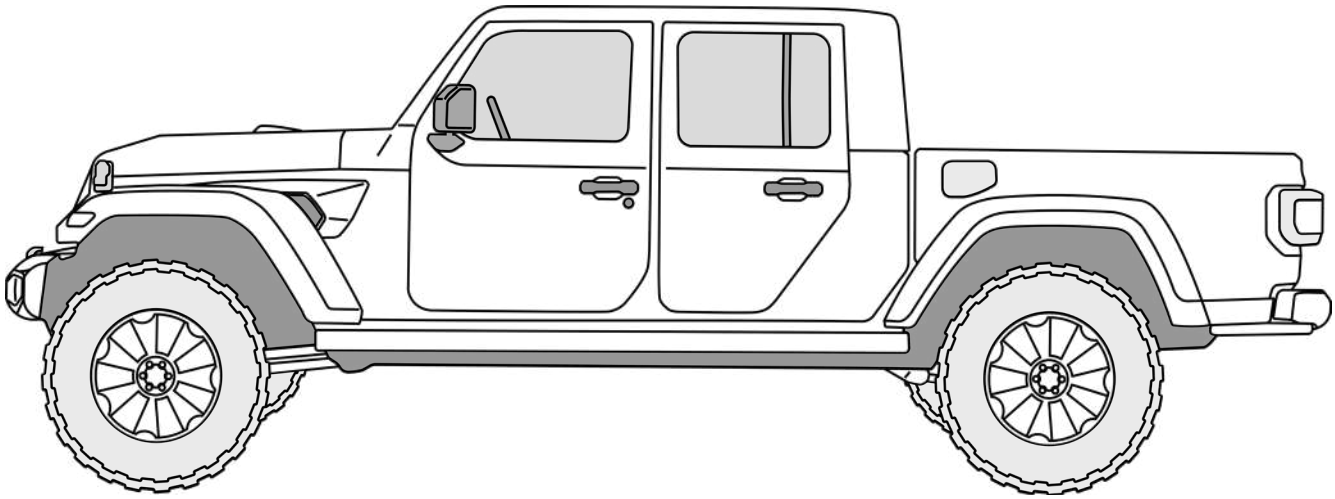
Jeep JT 4.5” Spring Lift

 # 1366000



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.

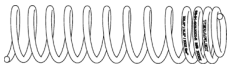
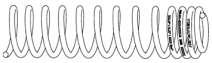
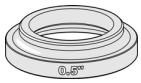
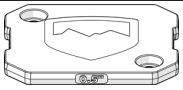
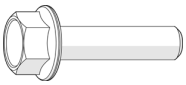
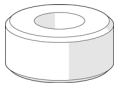
Tools Needed:

- **Metric Sockets and Open End Wrenches**
- **Torque Wrench**
- **Factory Service Manual**
- **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 #	Base Lift
	1 Front Spring	02-21-601-450-1	2
	2 Rear Spring	02-23-401-250-1	2
	3 Front Bumpstops	12-01-109-200	2
	4 Front Bumpstop Spacer	12-02-109-050	4
	5 Rear Top Bumpstop Spacers 1.5"	12-01-309-150	2
	6 Rear Top Bumpstop Spacer Rings .5"	12-01-309-050	2
	7 Rear Bumpstop Spacers	12-02-309-050	2
	8 Front Track Bar Bracket Kit	1953500	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 1.5 x 70mm Hex Flange Bolt	45-21-001-001	2
	12 Flat Washer	45-10-003-003	4
	13 M10 x 1.5 Fuji Nut	23-07-03-001	4
	14 M10 x 1.5 x 100mm Flat Socket Cap Screw	45-04-003-001	2
	15 M8 x 1.25mm Yellow Zinc Fuji Nut	23-07-03-002	4
	16 M8 x 1.25 x 30mm Hex Flange Bolt	45-02-003-016	4
	17 Rear Upper Bumpstop Spacer	56-10-05-044-1-1	2
	18 Nut Wrench Tool	600271	1

NOTES

***FOR ALPINE & ALPINE IR CONTROL ARM KITS: Refer to Instruction #999373 before continuing.**



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

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

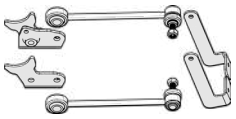


***FOR SPEEDBUMP KITS: Refer to Instruction #999370 before continuing.**

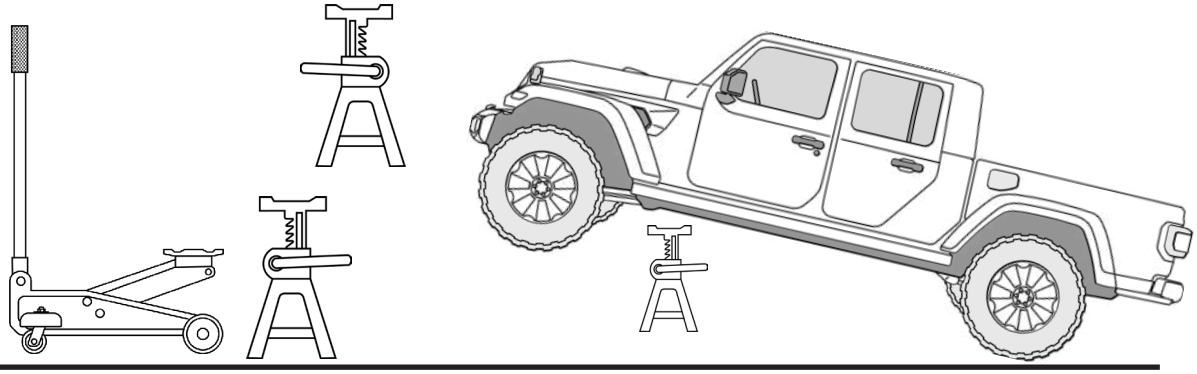
***FOR FRONT TRACK BAR: Refer to Instruction 999340**

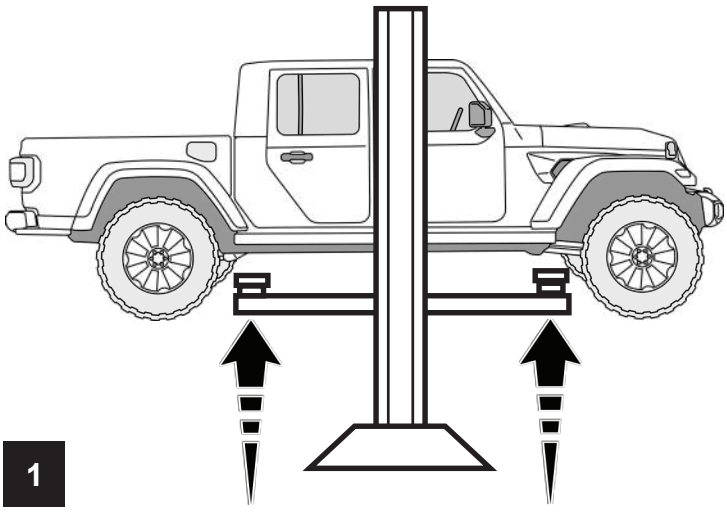


***FOR FRONT QUICK DISCONNECTS: Refer to Instruction 999372**



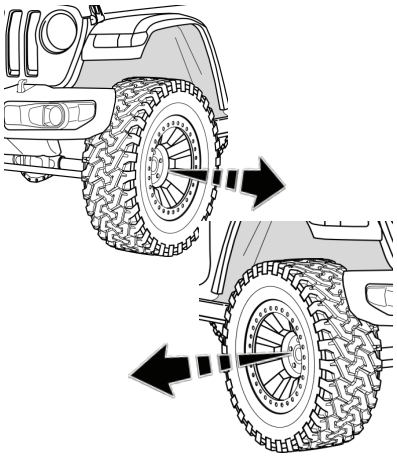
FRONT INSTALLATION
LIFT AND SUPPORT AT FRAME





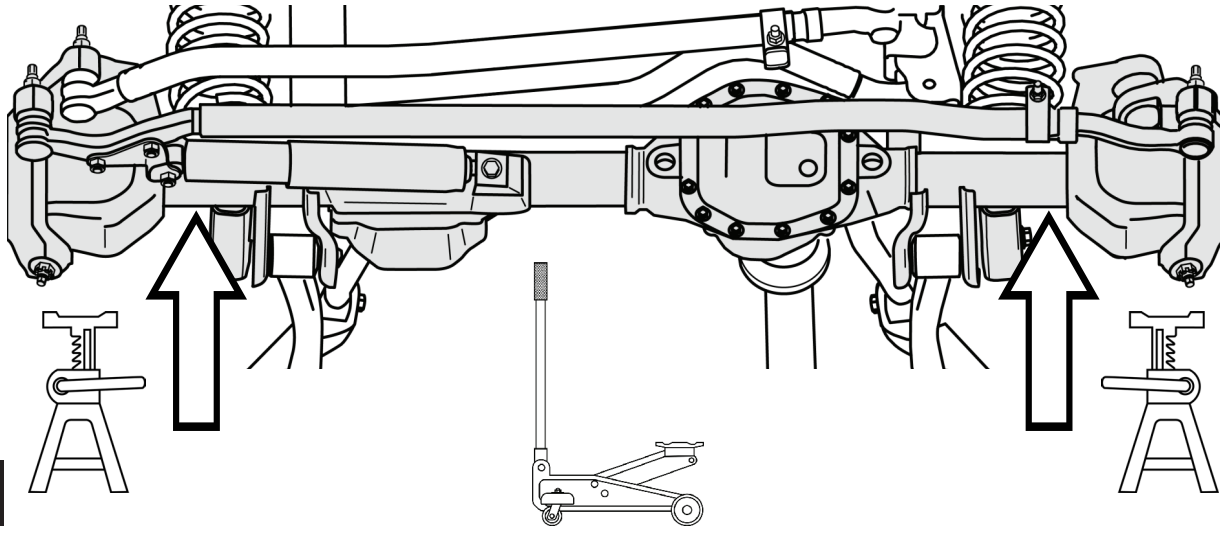
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REMOVE FRONT TIRES



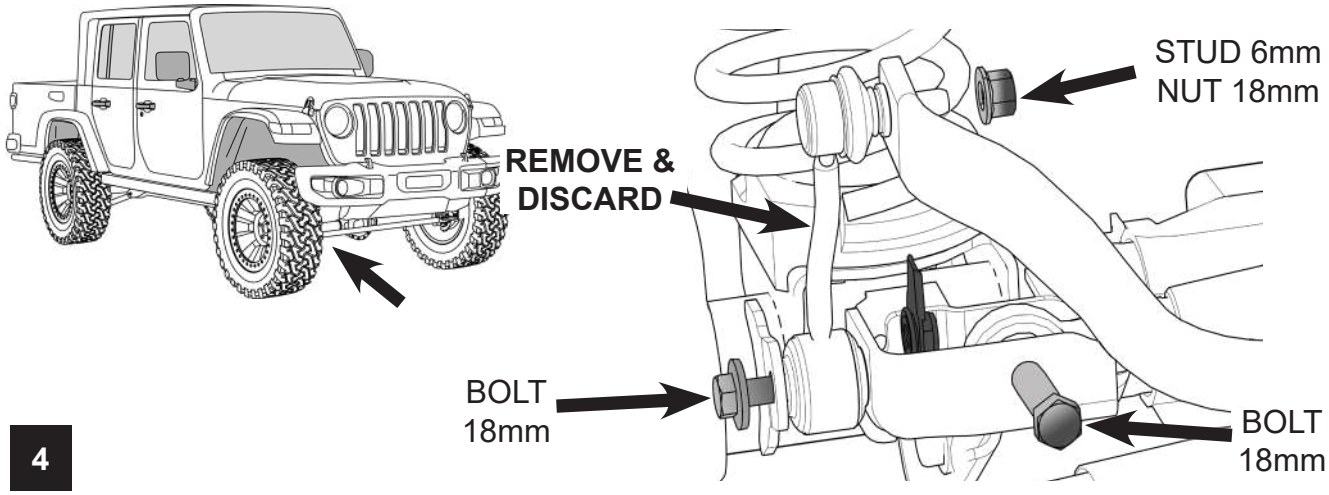
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SUPPORT FRONT AXLE

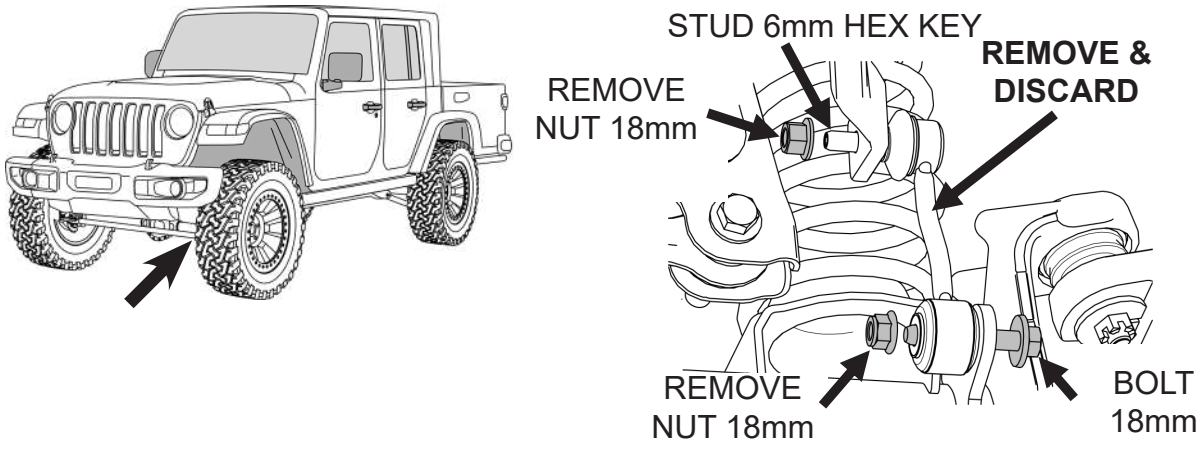


3

REMOVE SWAY BAR LINKS & REMOVE TRACK BAR BOLT AT AXLE

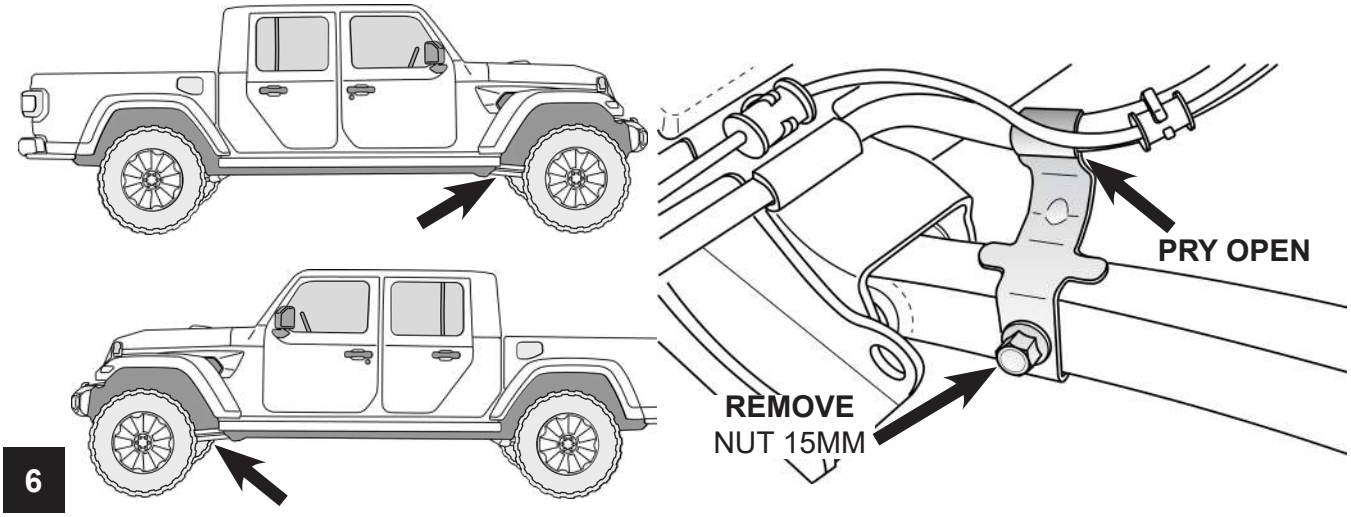


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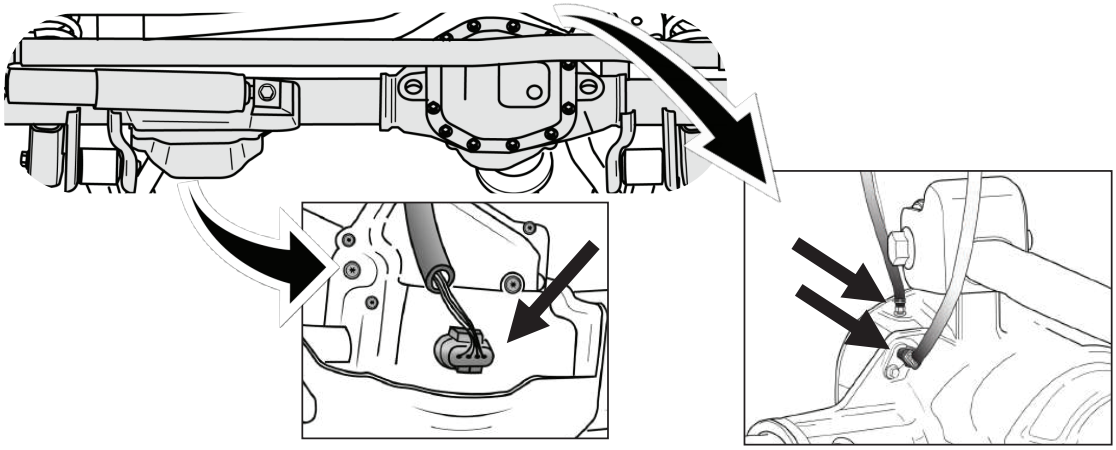
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REMOVE AND DISCARD BRAKE LINE BRACKETS FROM LOWER CONTROL ARMS



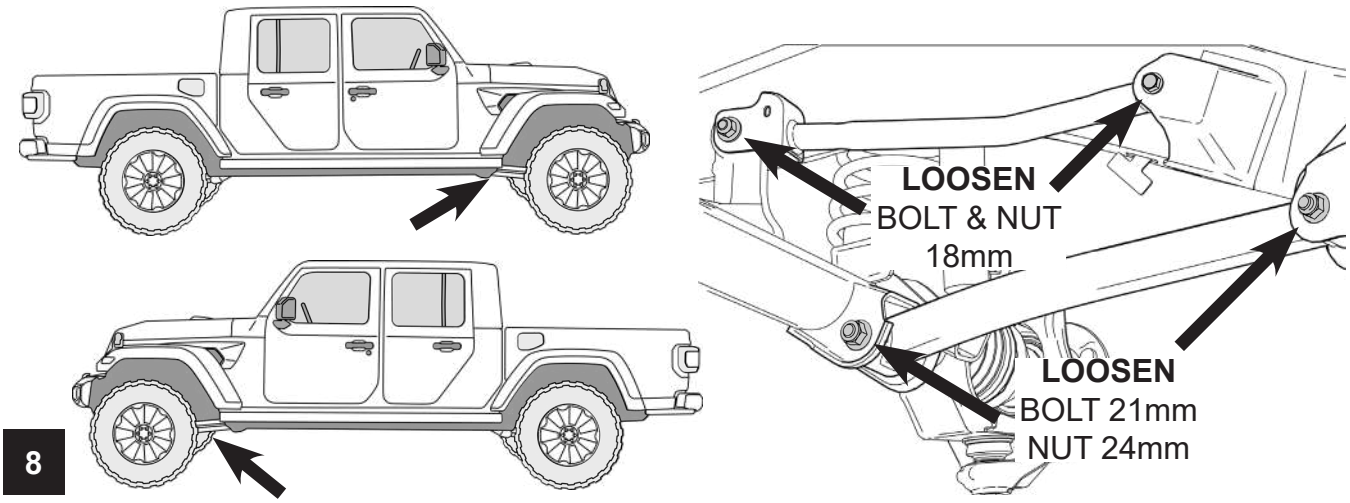
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DISCONNECT ACTUATORS AND VENT HOSE AT THE FRONT AXLE



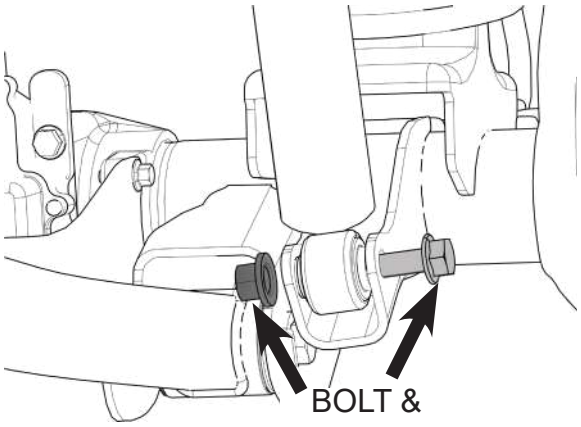
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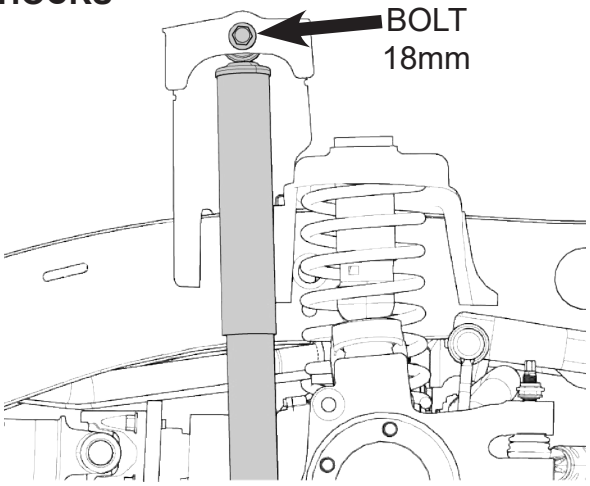
LOOSEN FRONT CONTROL ARM BOLTS
DO NOT REMOVE THE CONTROL ARM BOLTS



8

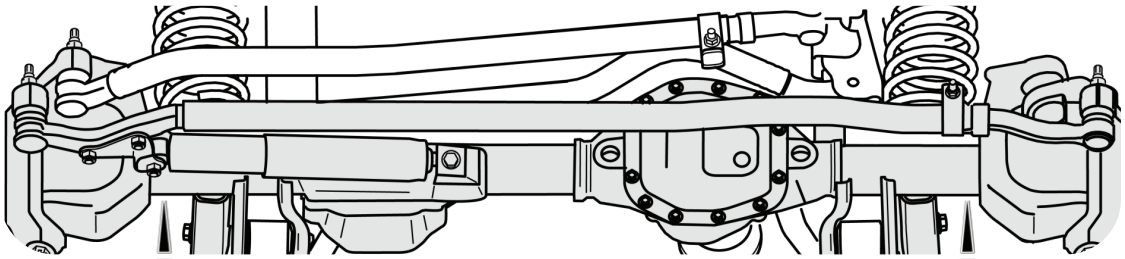
REMOVE FRONT SHOCKS



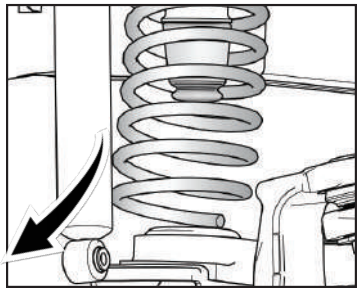


9

LOWER AXLE AND REMOVE FRONT SPRINGS



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

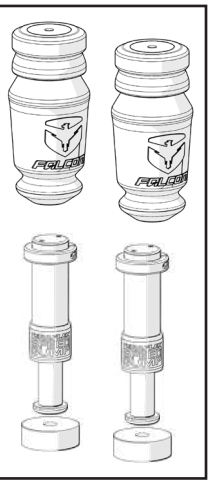


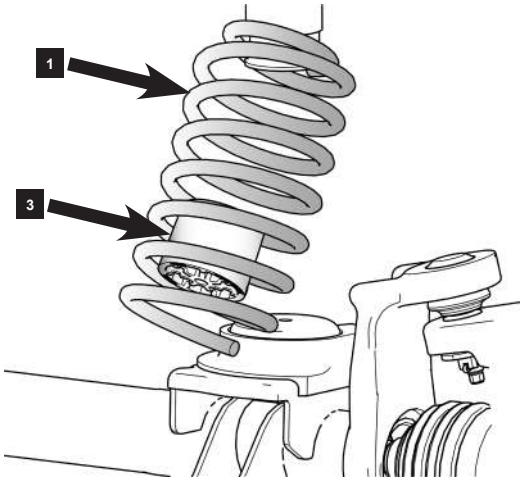
10

INSTALL BUMPSTOP INTO NEW FRONT SPRING

NOTE:

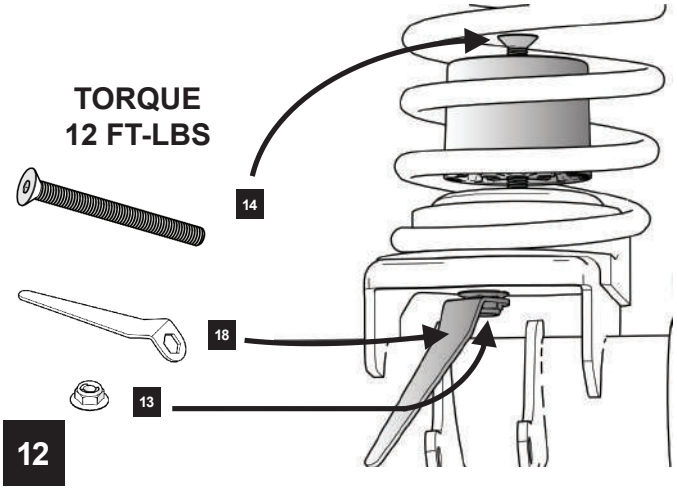
- **FOR FALCON JOUNCE BUMPER KITS: Refer to instruction #999364**
- **FOR SPEEDBUMP KITS: Refer to Instruction #999370 before continuing.**



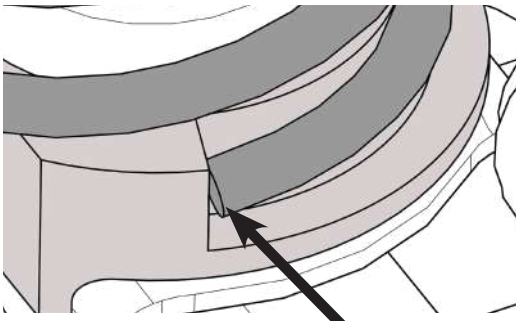


11

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

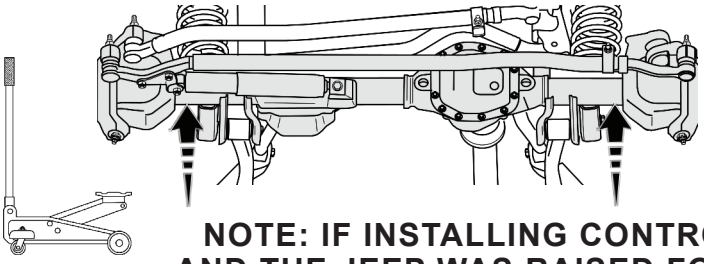


12



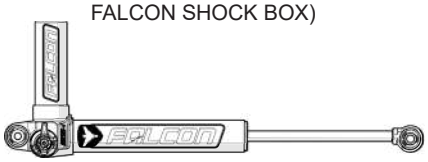
MAKE SURE SPRING IS FULLY SEATED ON PERCH

RAISE AXLE & INSTALL SHOCKS



FOR INSTALLING FALCON SHOCKS

(REFER TO **QUICK START GUIDE** INSIDE FALCON SHOCK BOX)

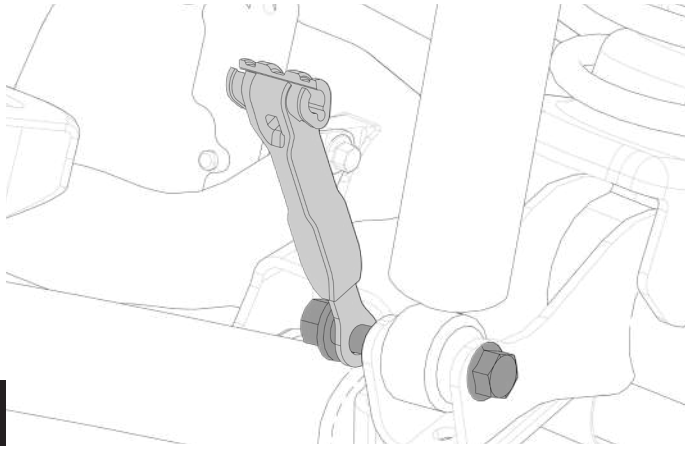


NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, AND THE JEEP WAS RAISED FOR INSTALLATION, LOWER THE JEEP TO THE GROUND AND FINISH INSTALLATION BY TORQUING THE CONTROL ARM BOLTS.

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 13 FOR TORQUE SETTINGS

13

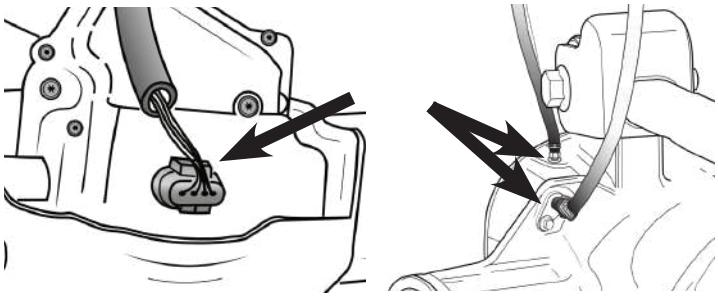
(OPTIONAL) INSTALL BRAKE LINE ANCHORS



REFER TO THE INSTRUCTIONS ON THE BACK OF THE BRAKE LINE ANCHOR KIT BOX FOR PROPER INSTALLATION.

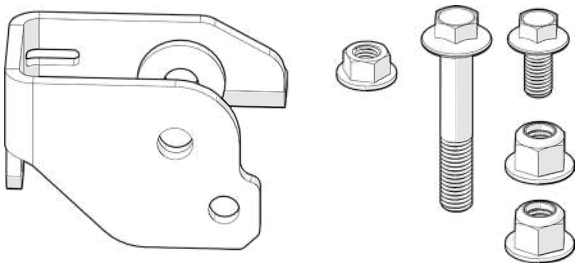
14

RECONNECT CONNECTIONS TO FRONT AXLE



RECONNECT PLASTIC RETAINERS FROM WIRING OR HOSES AS NEEDED.

15

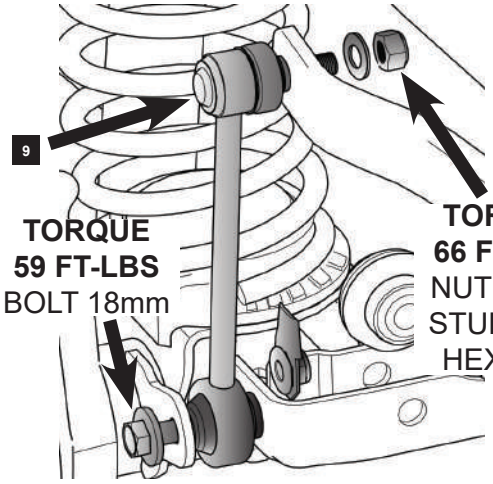


NOTE: REFER TO INSTRUCTION 999312 FOR INSTALLING FRONT TRACK BAR BRACKET

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

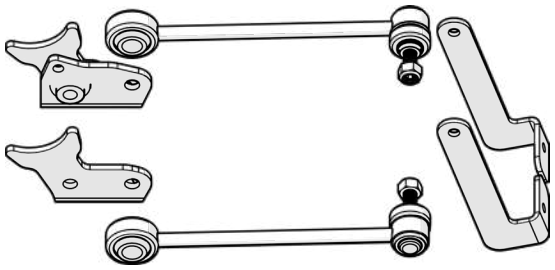
16

INSTALL NEW SWAY BAR LINKS

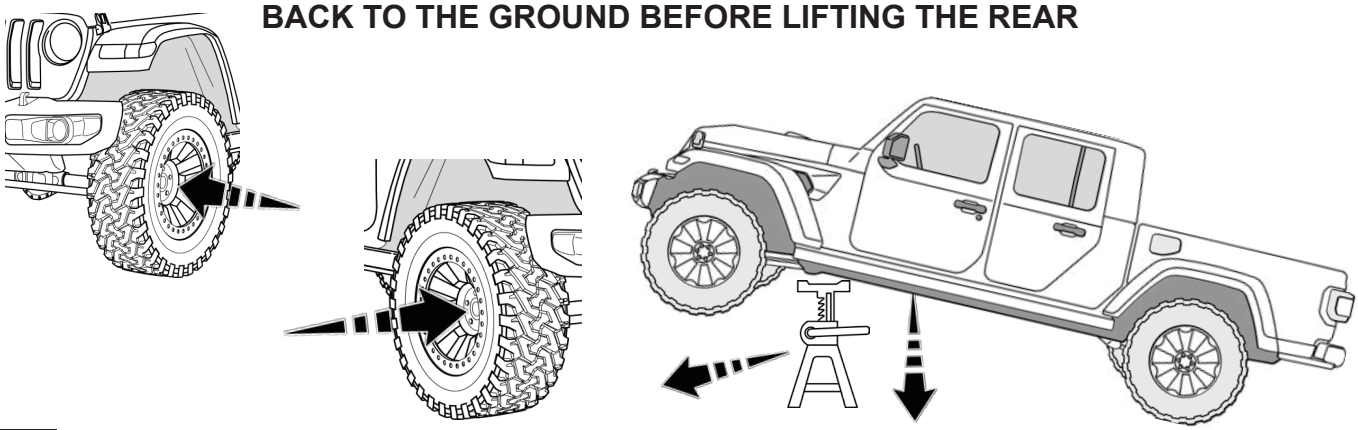


17

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

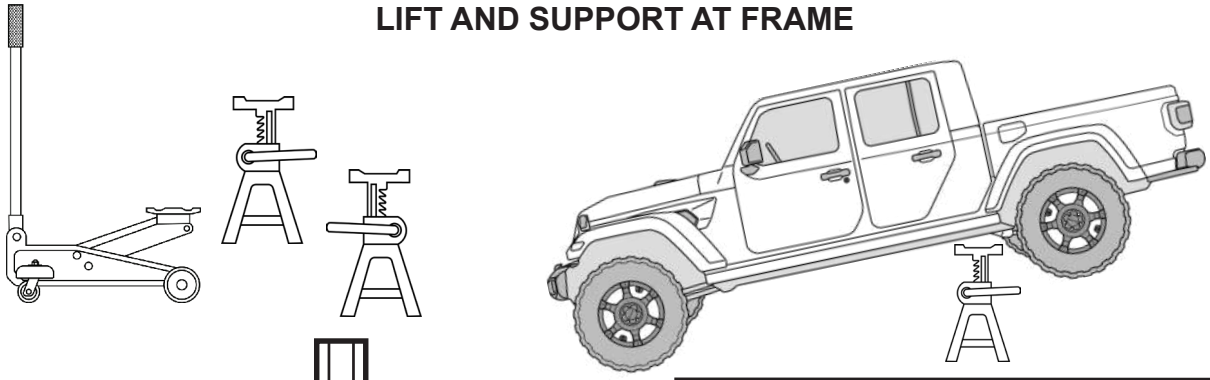


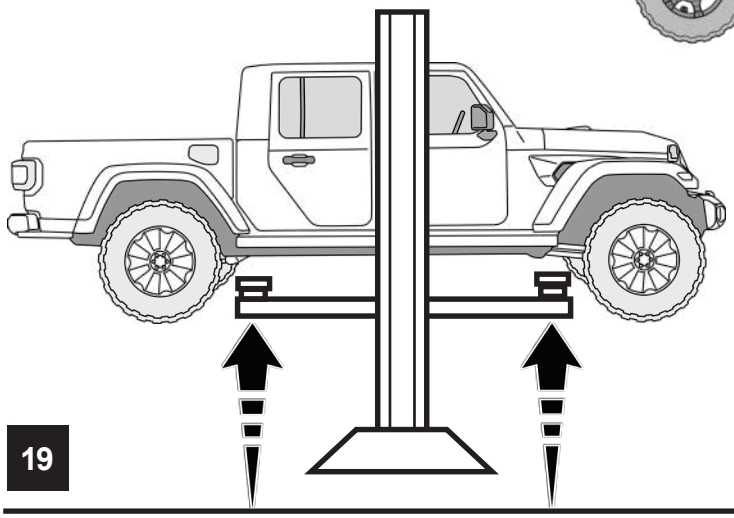
18

TORQUE THE FRONT TIRES TO 130 FT LBS

REAR INSTALLATION

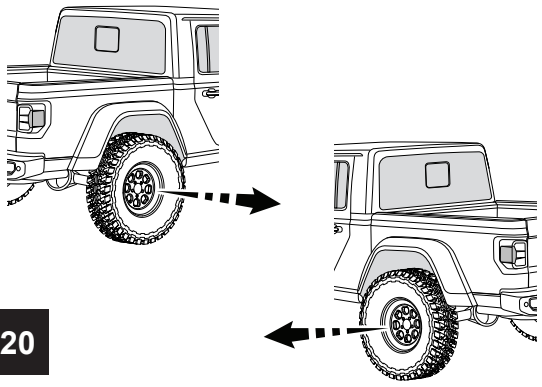
LIFT AND SUPPORT AT FRAME





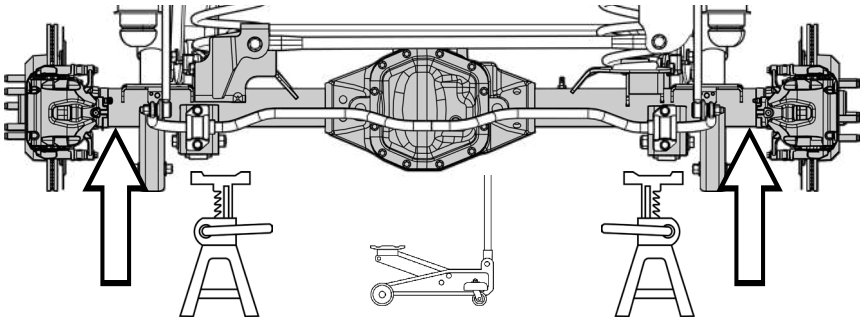
19

REMOVE REAR TIRES



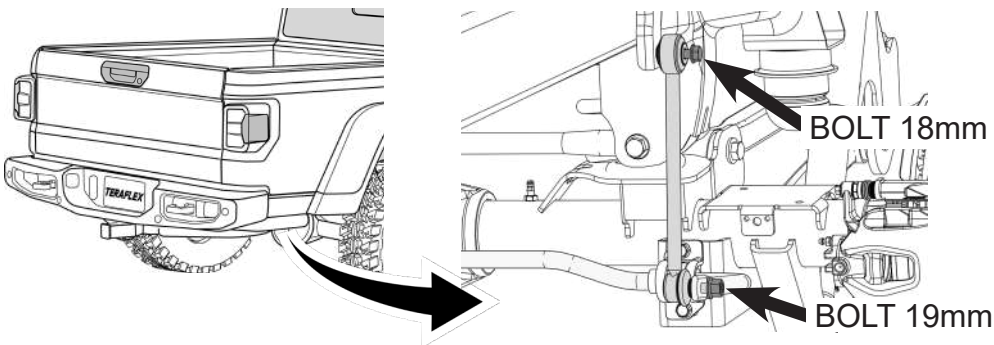
20

SUPPORT REAR AXLE



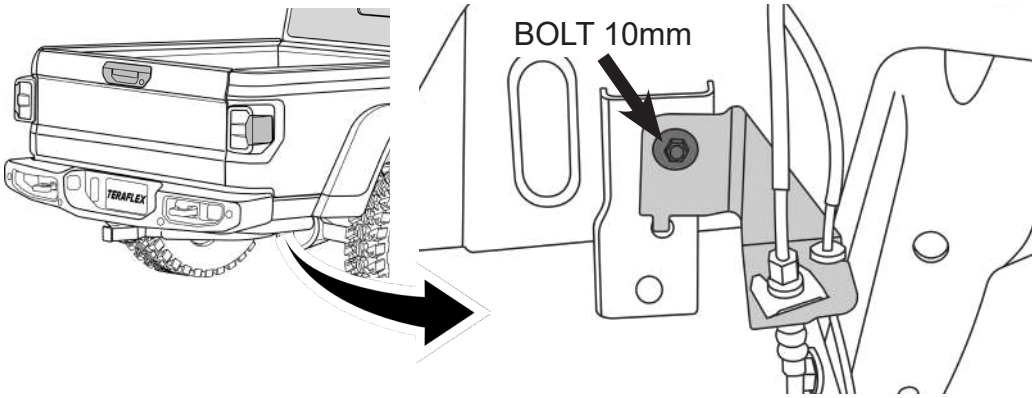
21

REMOVE SWAY BAR LINKS



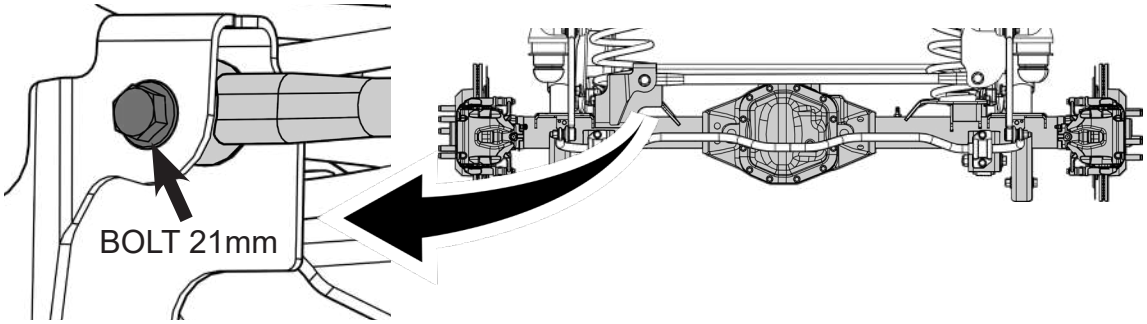
22

TEMPORARILY REMOVE BRAKE LINE BRACKETS FROM BOTH SIDES OF THE FRAME



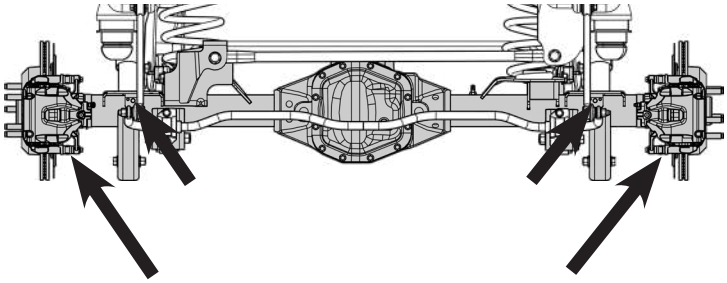
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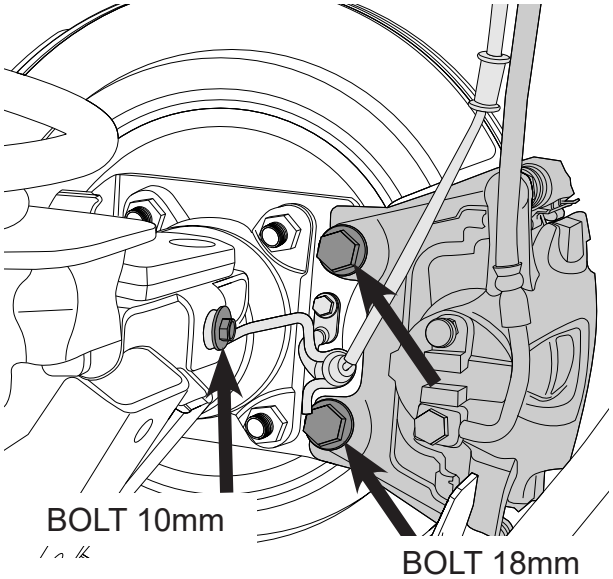
REMOVE THE TRACK BAR FROM THE AXLE



24

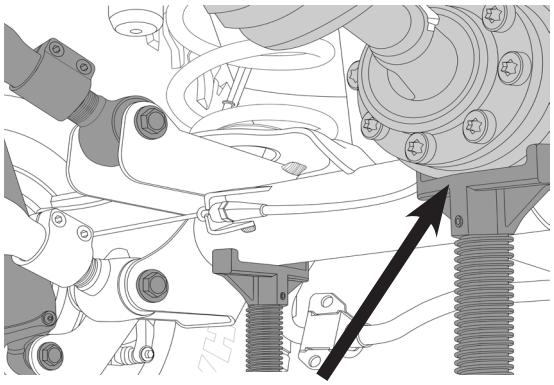
REMOVE BRAKE CALIPERS AND WIRE BRACKET FROM THE AXLE





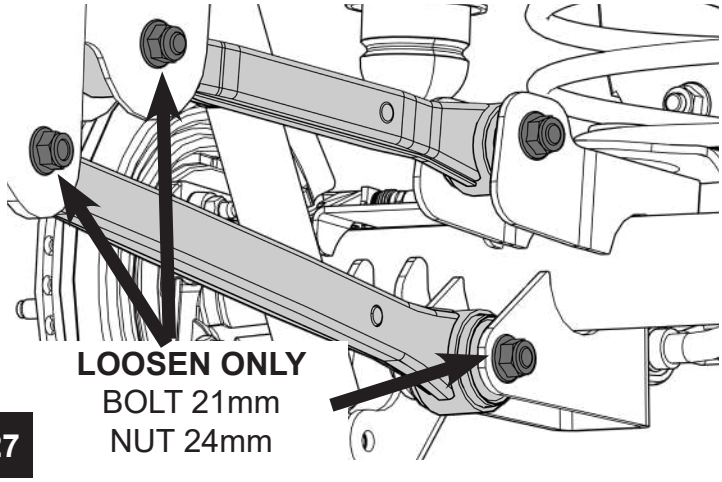
25

SUPPORT FRONT OF REAR AXLE



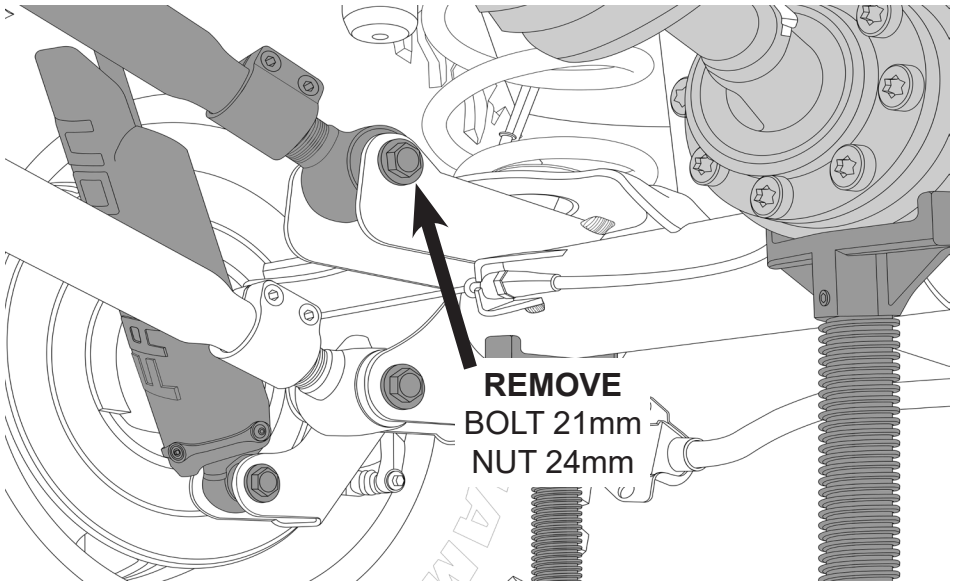
26

LOOSEN REAR CONTROL ARM BOLTS



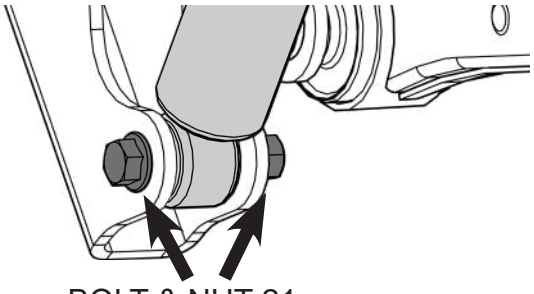
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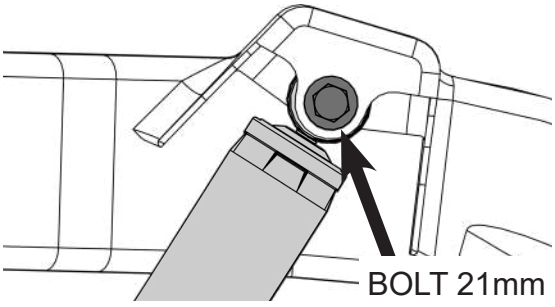
REMOVE UPPER CONTROL ARM BOLT AT THE AXLE



28

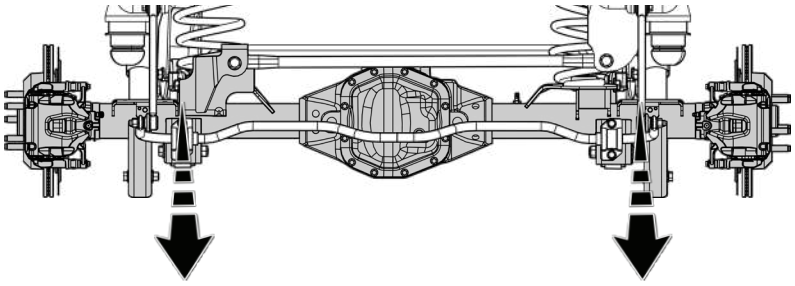
REMOVE THE REAR SHOCKS

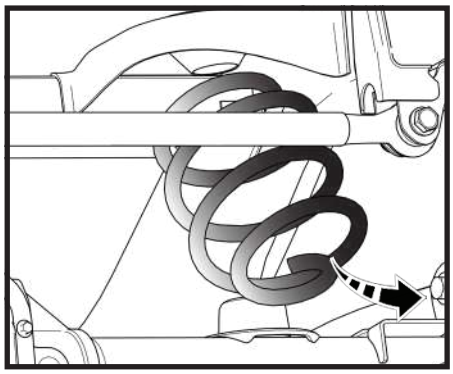




29

LOWER AXLE TO REMOVE REAR SPRINGS

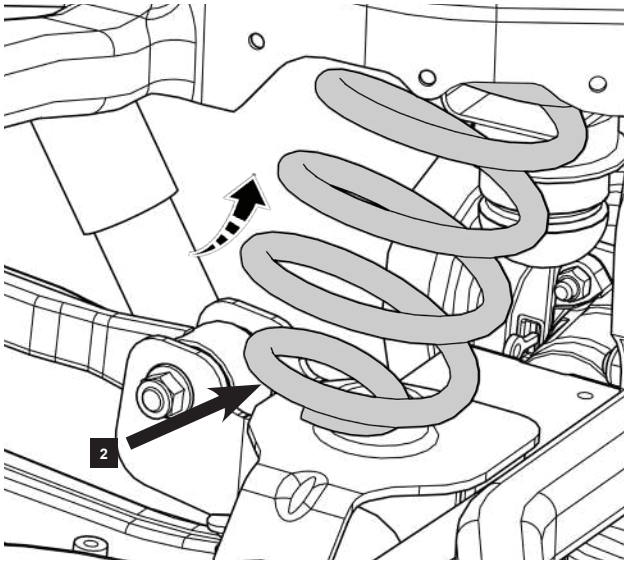


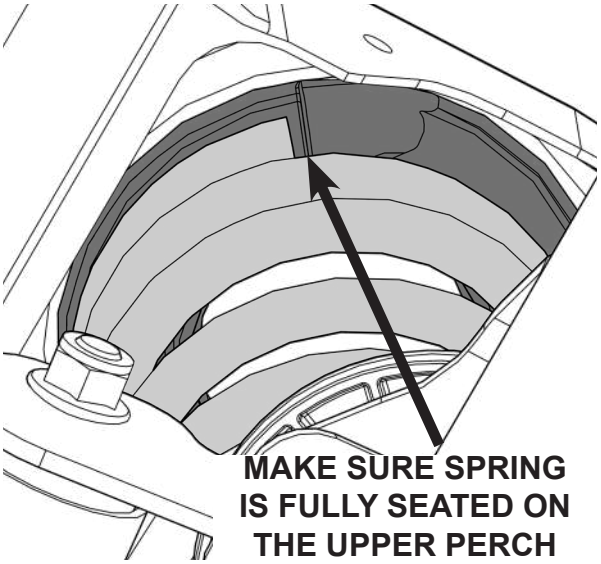


30

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

INSTALL THE NEW REAR SPRINGS

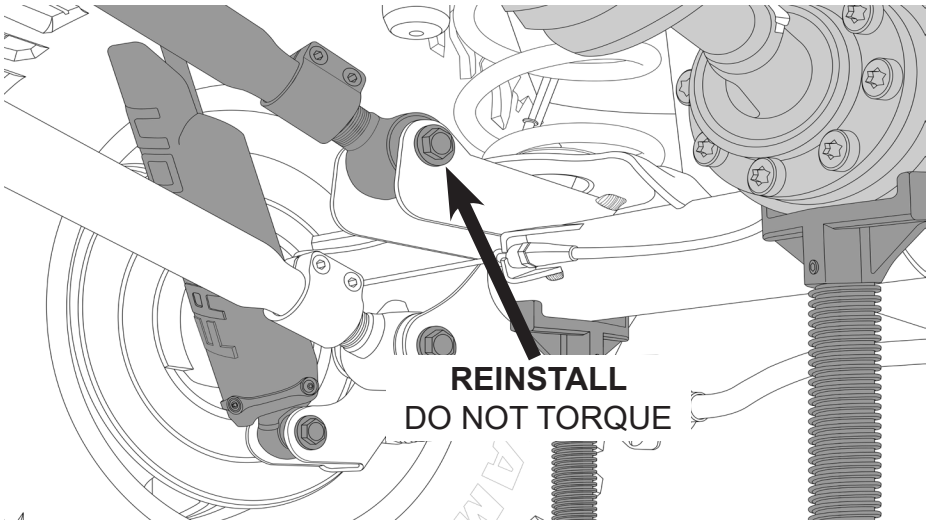




MAKE SURE SPRING IS FULLY SEATED ON THE UPPER PERCH

31

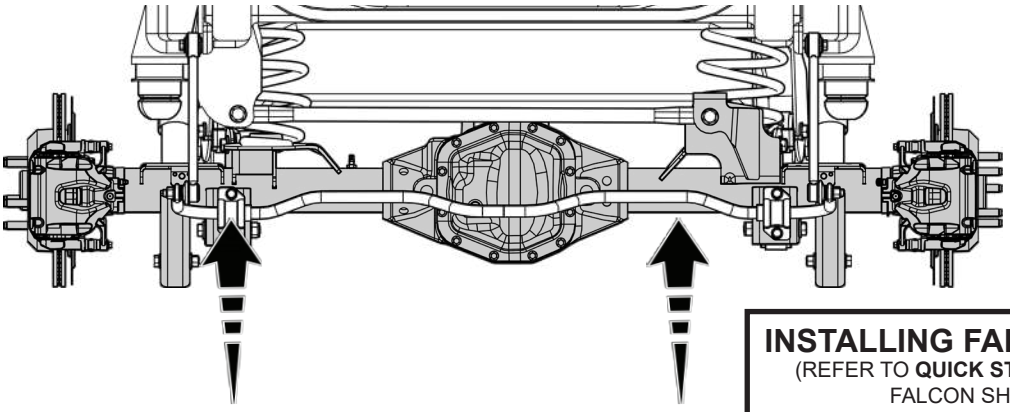
REINSTALL UPPER CONTROL ARMS



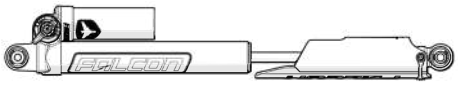
REINSTALL
DO NOT TORQUE

32

RAISE THE REAR AXLE AND INSTALL NEW SHOCKS



INSTALLING FALCON SHOCKS
(REFER TO **QUICK START GUIDE** INSIDE FALCON SHOCK BOX)

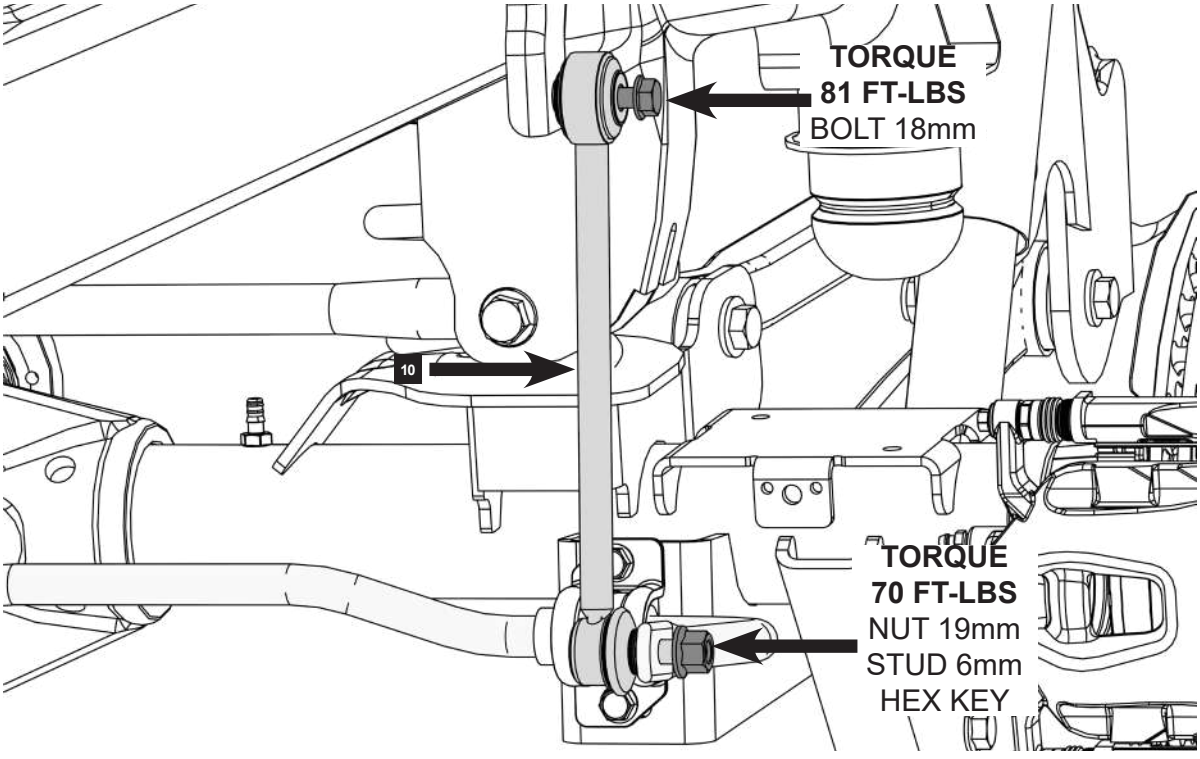


NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, AND THE JEEP WAS RAISED FOR INSTALLATION, LOWER THE JEEP TO THE GROUND AND FINISH INSTALLATION BY TORQUING THE CONTROL ARM BOLTS.

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 14 FOR TORQUE SETTINGS

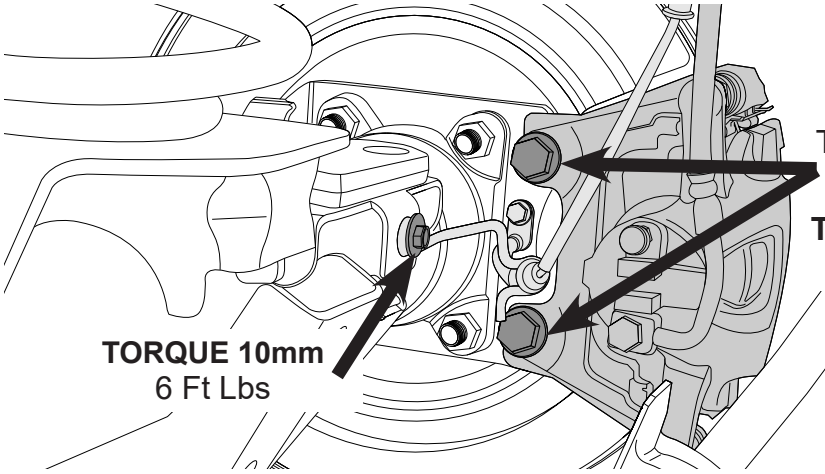
33

INSTALL THE NEW REAR SWAY BAR ENDLINKS



34

REINSTALL BRAKE CALIPERS AND WIRE BRACKETS



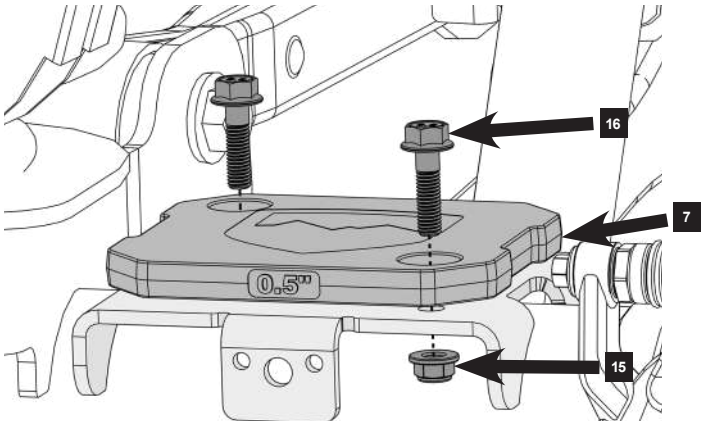
APPLY BLUE THREAD LOCK TO BOLTS

TORQUE 18mm
74 Ft Lbs

TORQUE 10mm
6 Ft Lbs

35

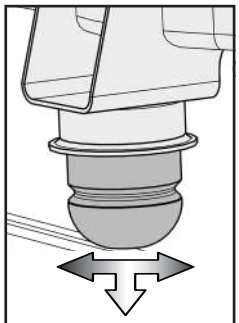
INSTALL THE REAR BUMPSTOP SPACERS



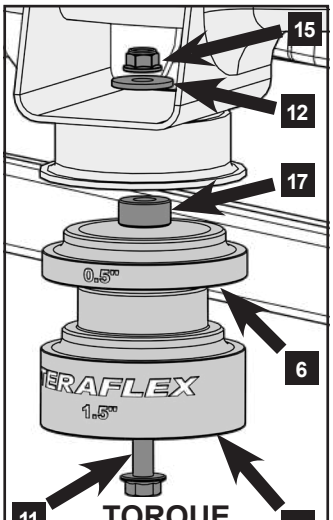
TORQUE
15 FT-LBS
BOLT 13mm
NUT 12mm

36

INSTALL UPPER BUMPSTOP SPACER



TWIST AND PULL DOWN TO REMOVE BUMPSTOP FROM FRAME



TORQUE
40 FT-LBS
BOLT 15mm
NUT 14mm

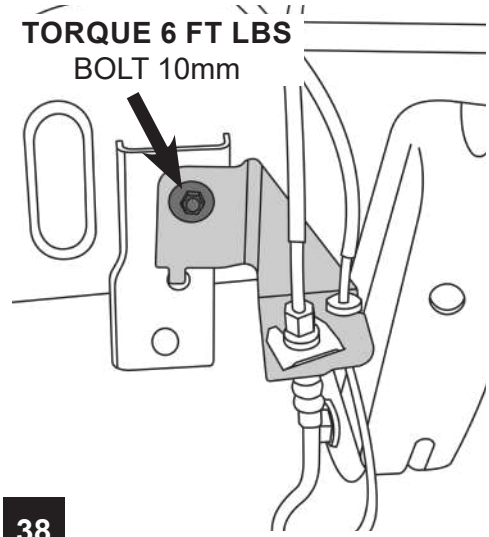


TWIST AND PUSH UP TO INSTALL BUMPSTOP INTO SPACER

37

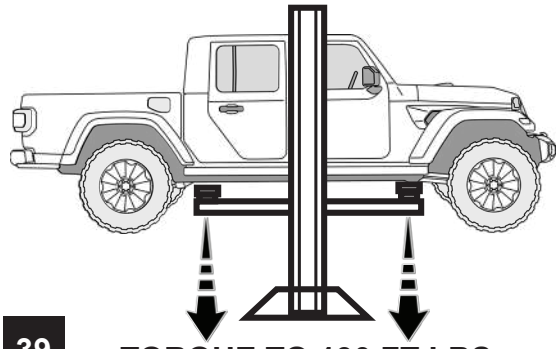
REINSTALL THE BRAKE LINE BRACKETS TO THE FRAME

TORQUE 6 FT LBS
BOLT 10mm



38

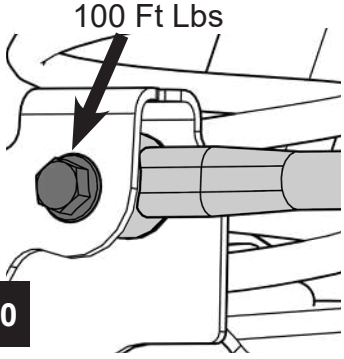
REINSTALL TIRES AND LOWER TO THE GROUND

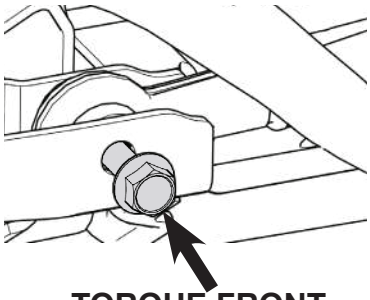


39 **TORQUE TO 130 FT LBS**

REINSTALL TRACK BARS AND TORQUE TO THE FOLLOWING SPECS

TORQUE REAR
BOLT 21mm
100 Ft Lbs





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

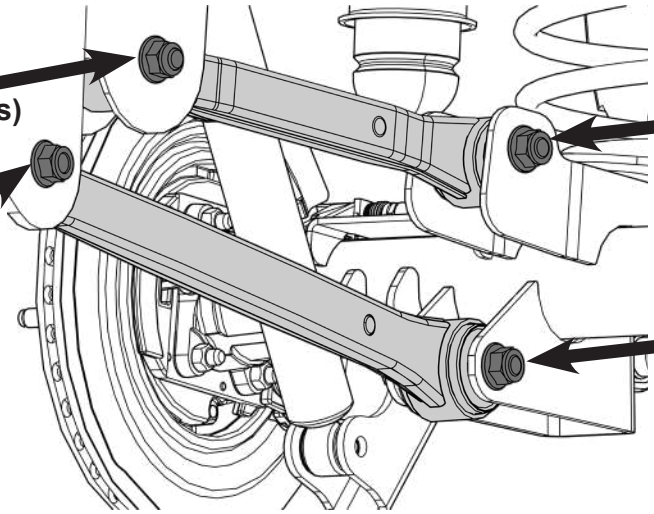
40

TORQUE CONTROL ARMS

REAR

TORQUE
111 Ft Lbs + 95°
(REF: 240-260 Ft Lbs)

TORQUE
111 Ft Lbs + 65°
(REF: 180-200 Ft Lbs)



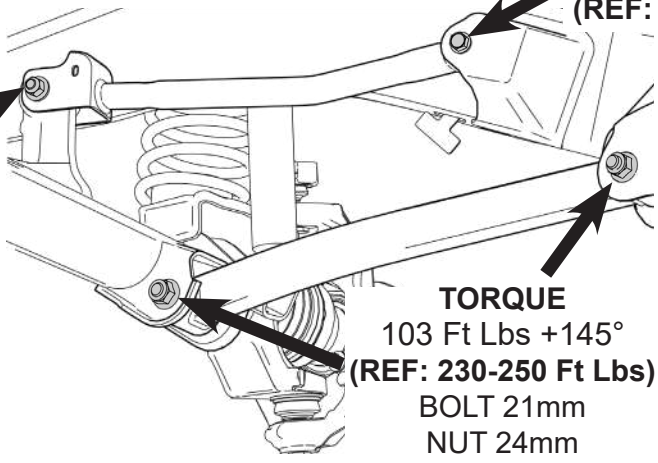
TORQUE
111 Ft Lbs + 90°
(REF: 250-270 Ft Lbs)

TORQUE
111 Ft Lbs + 60°
(REF: 200-220 Ft Lbs)

BOLTS 21mm
NUTS 24mm

FRONT

TORQUE 18mm
37 Ft Lbs + 135°
(REF: 100-120 Ft Lbs)



TORQUE 18mm
41 Ft Lbs + 185°
(REF: 140-160 Ft Lbs)

TORQUE
103 Ft Lbs +145°
(REF: 230-250 Ft Lbs)
BOLT 21mm
NUT 24mm

41

JT TIRE CLEARANCE GUIDE (for vehicles with FACTORY FENDER FLARES)

By limiting suspension up travel, TeraFlex Bump Stops allow the use of larger tires while keeping the factory fenders.

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 lift height and tire size configurations.

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

JT RUBICON
with Factory Fender Flares:

1.5" LEVELING KIT

- 35" - 1” Front & No Rear Bump Stop*

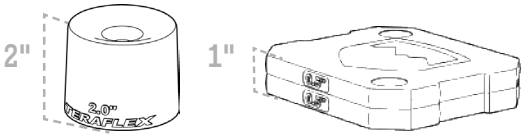


NO REAR BUMP STOP*

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

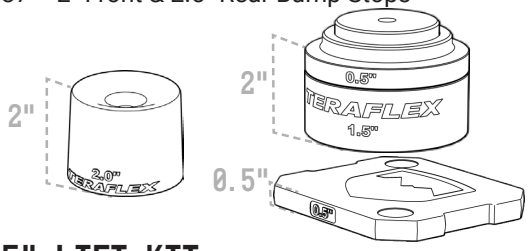
2.5" LIFT KIT

- 35" - 2" Front & 1" Rear Bump Stops



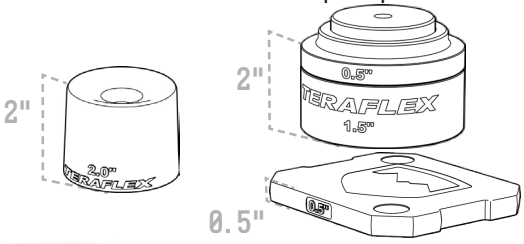
3.5" LIFT KIT

- 37" - 2" Front & 2.5" Rear Bump Stops



4.5" LIFT KIT

- 37" - 2" Front & 2.5" Rear Bump Stops



JT SPORT/OVERLAND
with Factory Fender Flares:

1.5" LEVELING KIT

- 33" - 1” Front & No Rear Bump Stop*

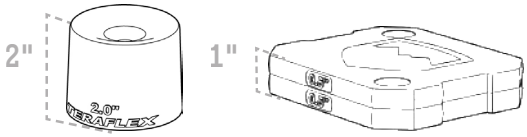


NO REAR BUMP STOP*

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

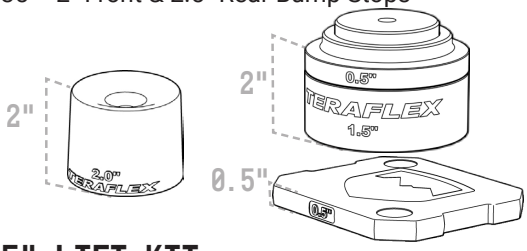
2.5" LIFT KIT

- 35" - 2" Front & 1" Rear Bump Stops



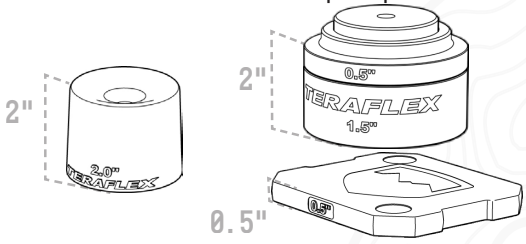
3.5" LIFT KIT

- 35" - 2" Front & 2.5" Rear Bump Stops



4.5" LIFT KIT

- 35" - 2" Front & 2.5" Rear Bump Stops



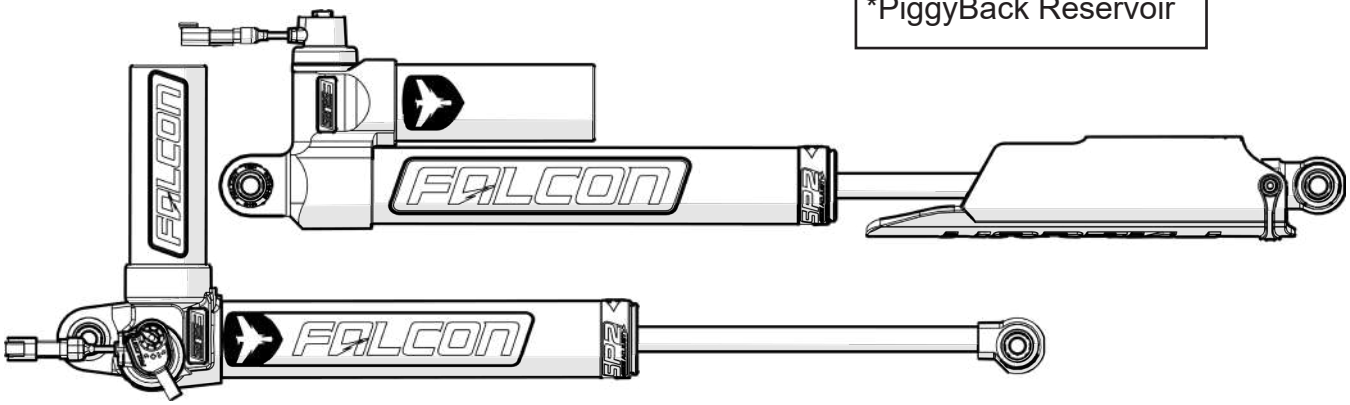
TERAFLEX

Recommended Bump Stop configuration based on tested tires. Not all Tires Measure the Same. Cycling the suspension to check the shocks, springs and other suspension componets before driving is recommended.

3.5”-4.5” Inch Shock Options

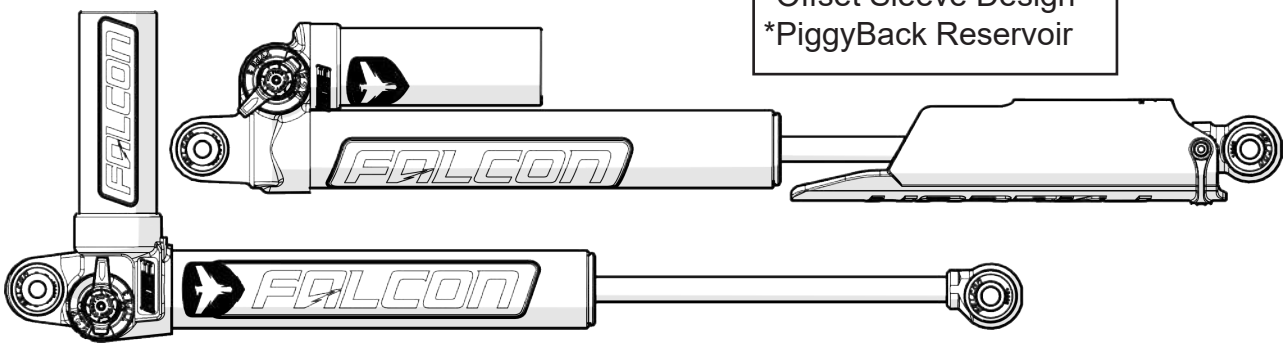
JT Falcon Electronic Adjustable PiggyBack Shocks
- 4 Door Series 3.5, 14-04-35-400-200

*Electrically Adjustable
*3/4” Chrome Shaft
*Offset Sleeve Design
*PiggyBack Reservoir



JT Falcon Adjustable PiggyBack Shocks
- 4 Door Series 3.3, 14-02-33-400-200

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



JT Falcon PiggyBack Shocks
- 4 Door Series 3.1, 14-02-31-400-200

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

