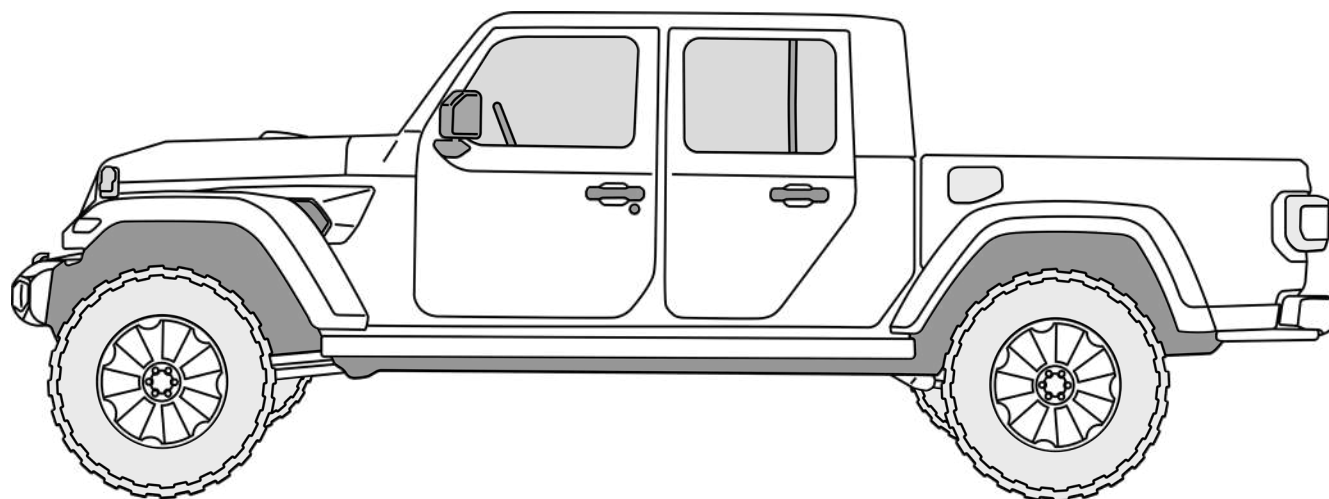




Jeep JT 4.5" Spring Lift

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.

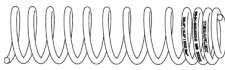
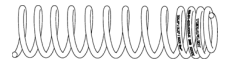




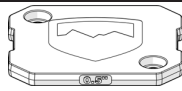











Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local TeraFlex dealer for assistance.

Tools Needed:

- | | |
|--|---------------------------|
| - Metric Sockets and Open End Wrenches | - 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.

		Description	Item #	Base Lift
Spring Box Components		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.**

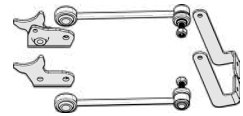
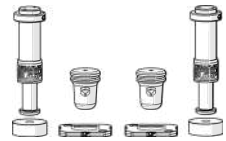
-CONTROL ARMS WITH  BUSHINGS can be torqued with the Jeep raised in the air.

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

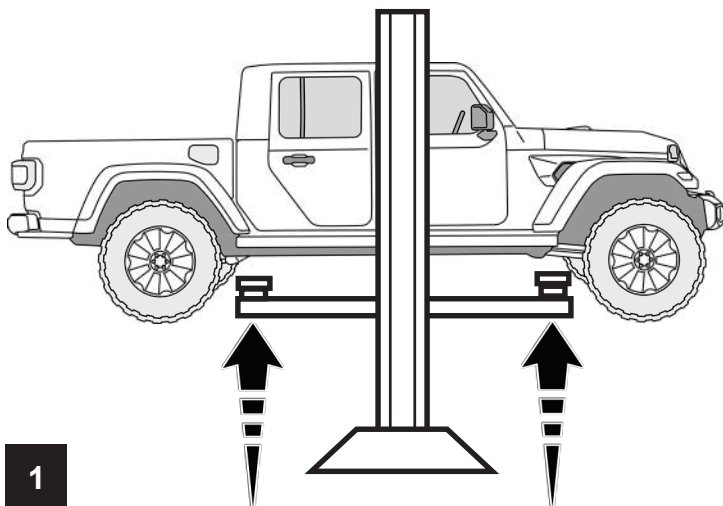
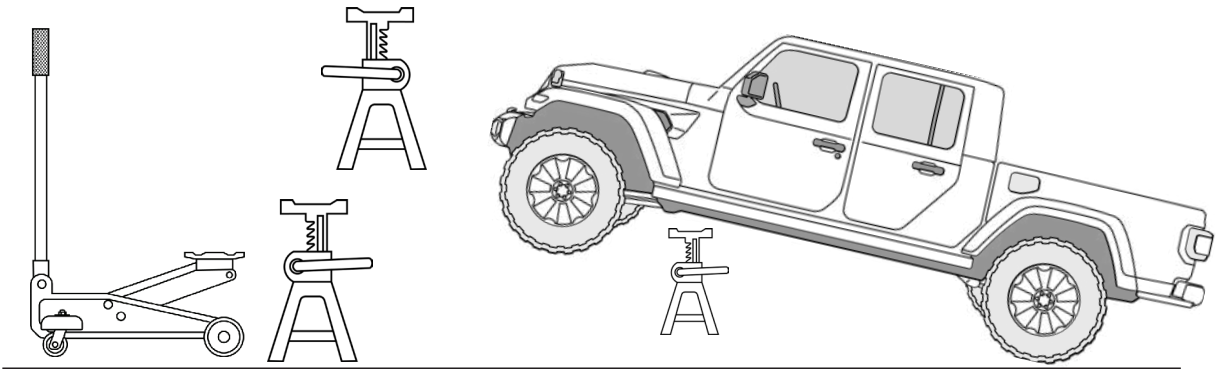
***FOR SPEEDBUMP KITS: Refer to Instruction #999370 before continuing.**

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

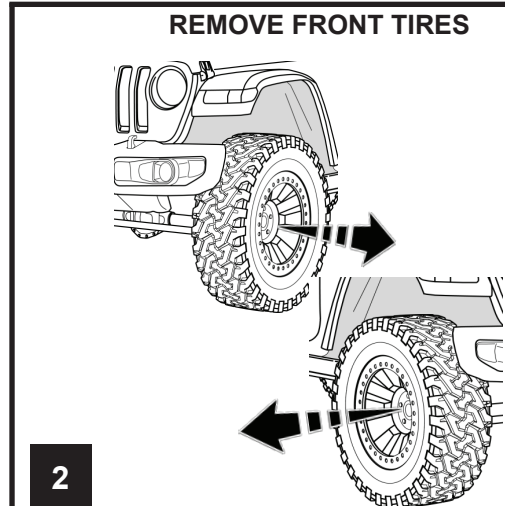
***FOR FRONT QUICK DISCONNECTS: Refer to Instruction 999372**



**FRONT INSTALLATION
LIFT AND SUPPORT AT FRAME**



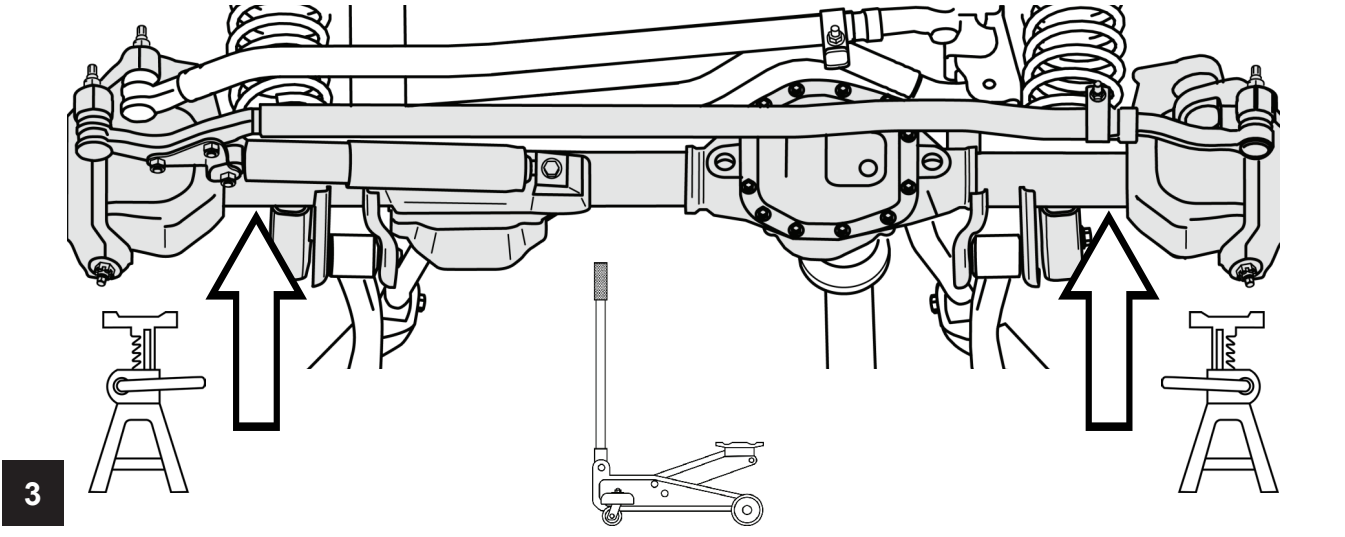
1



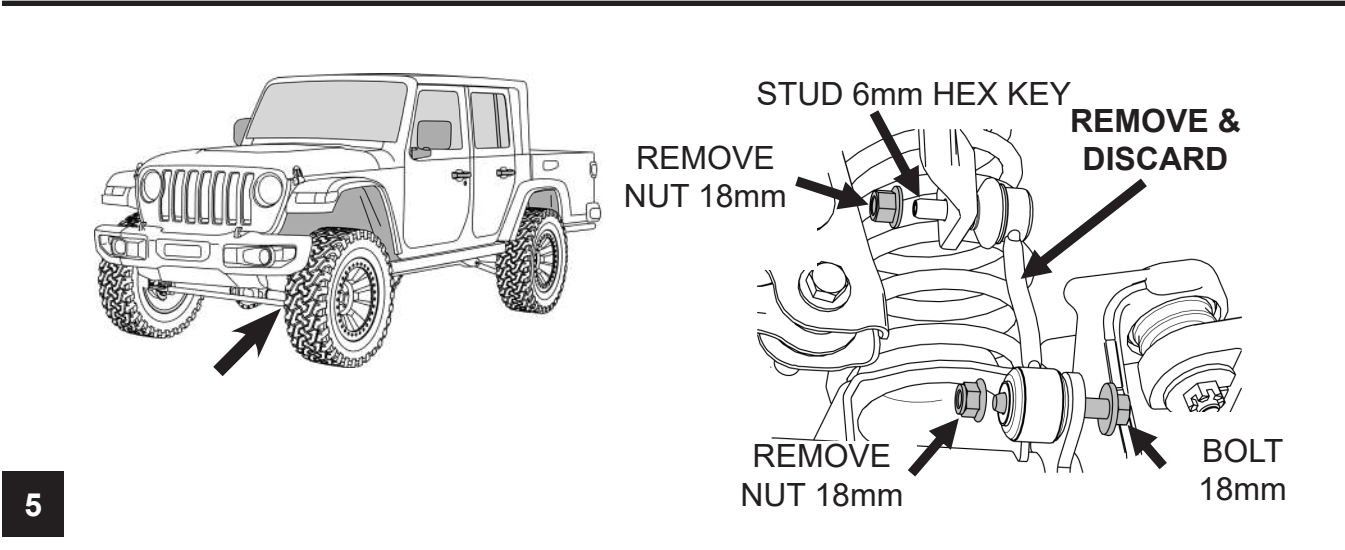
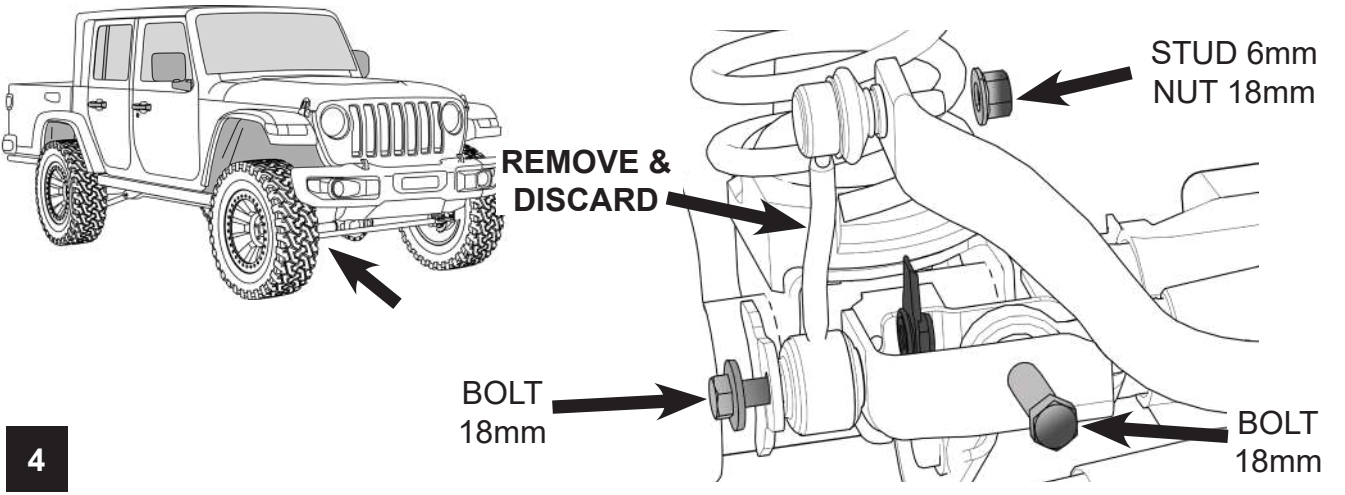
2

REMOVE FRONT TIRES

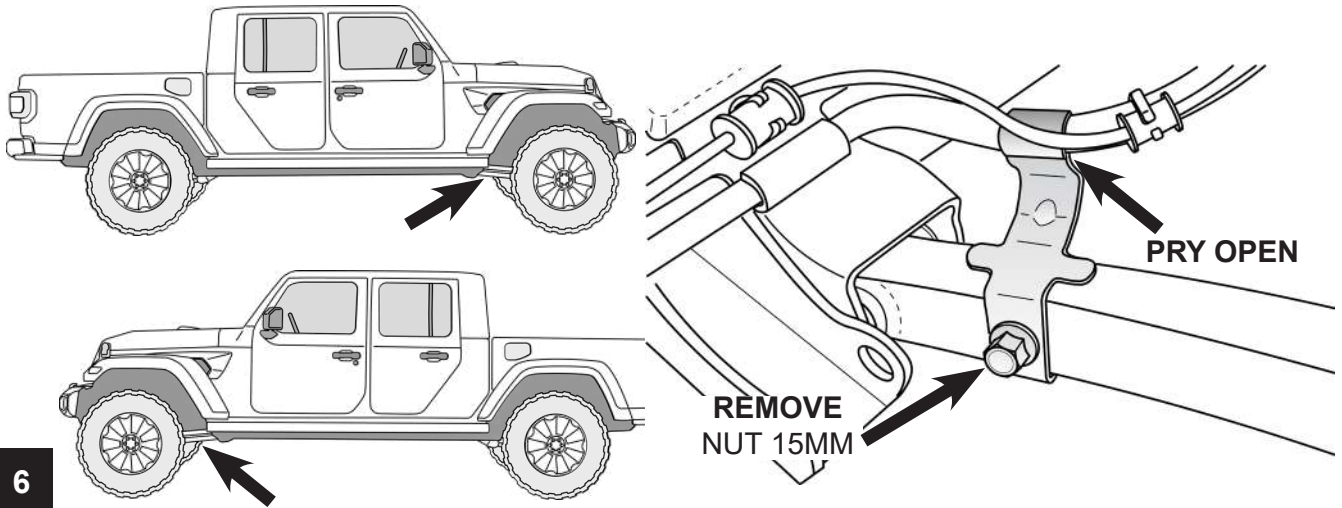
SUPPORT FRONT AXLE



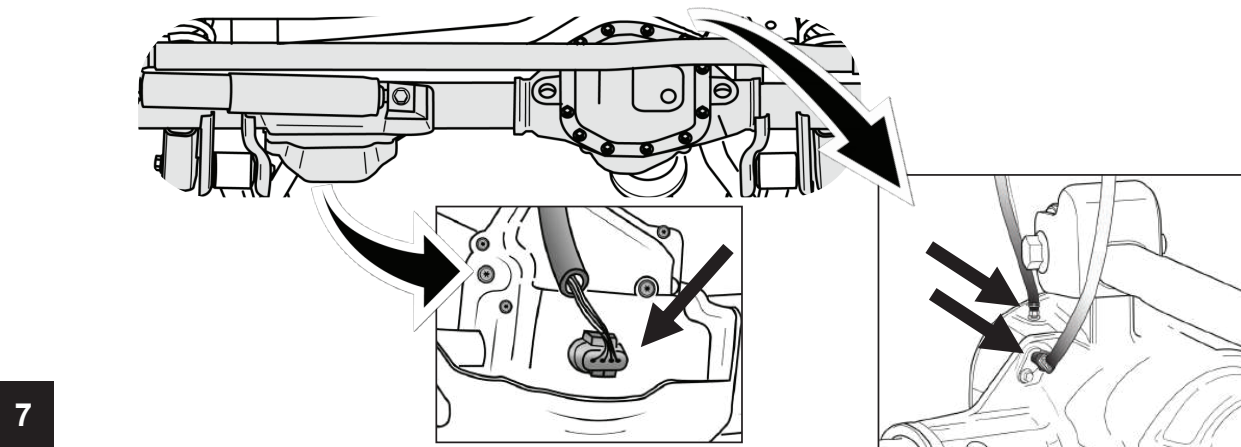
REMOVE SWAY BAR LINKS & REMOVE TRACK BAR BOLT AT AXLE



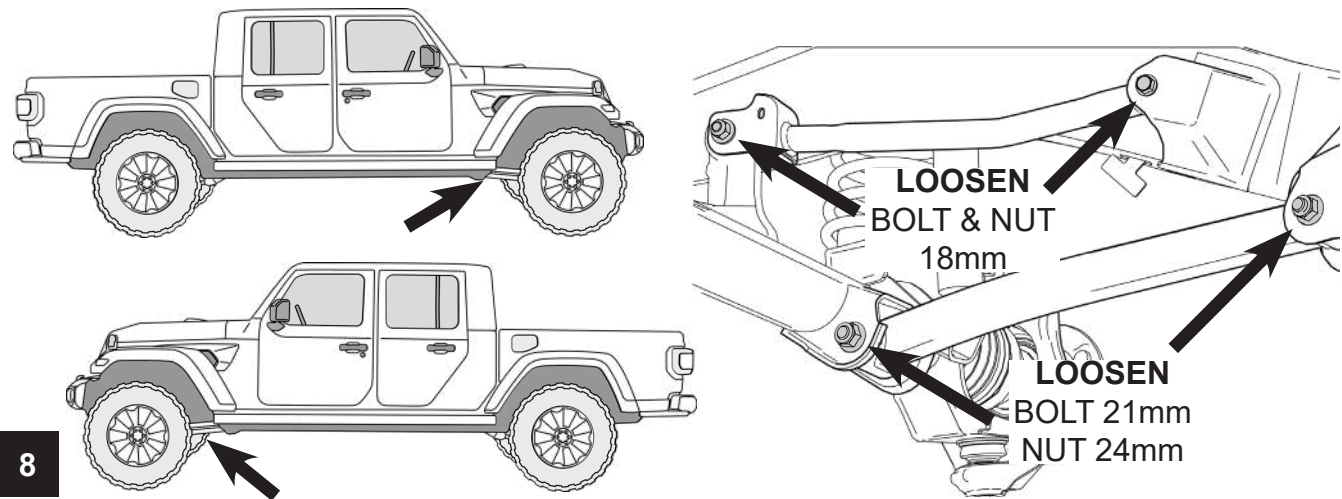
REMOVE AND DISCARD BRAKE LINE BRACKETS FROM LOWER CONTROL ARMS



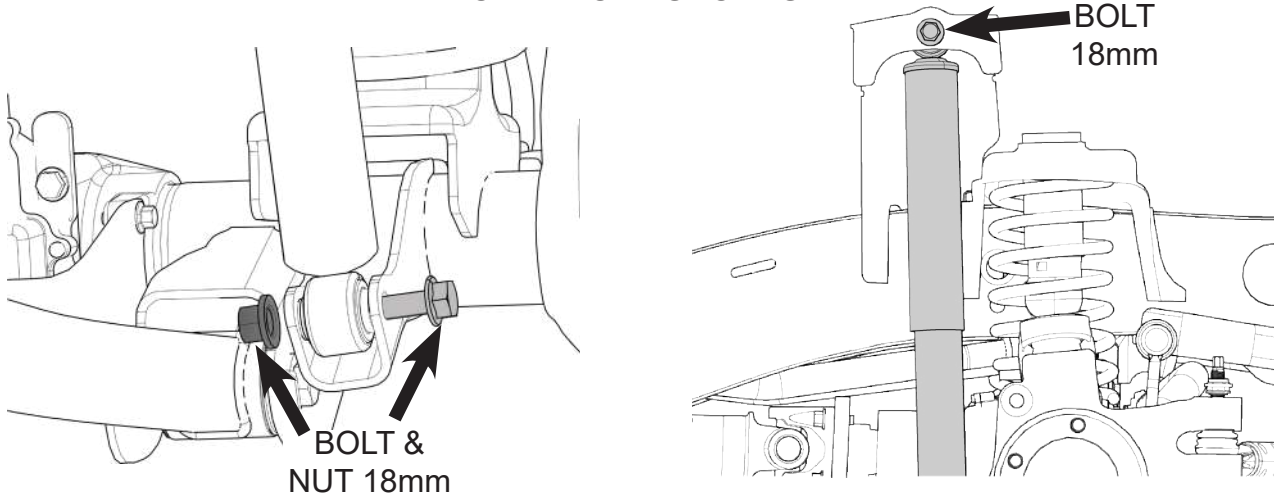
DISCONNECT ACTUATORS AND VENT HOSE AT THE FRONT AXLE



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

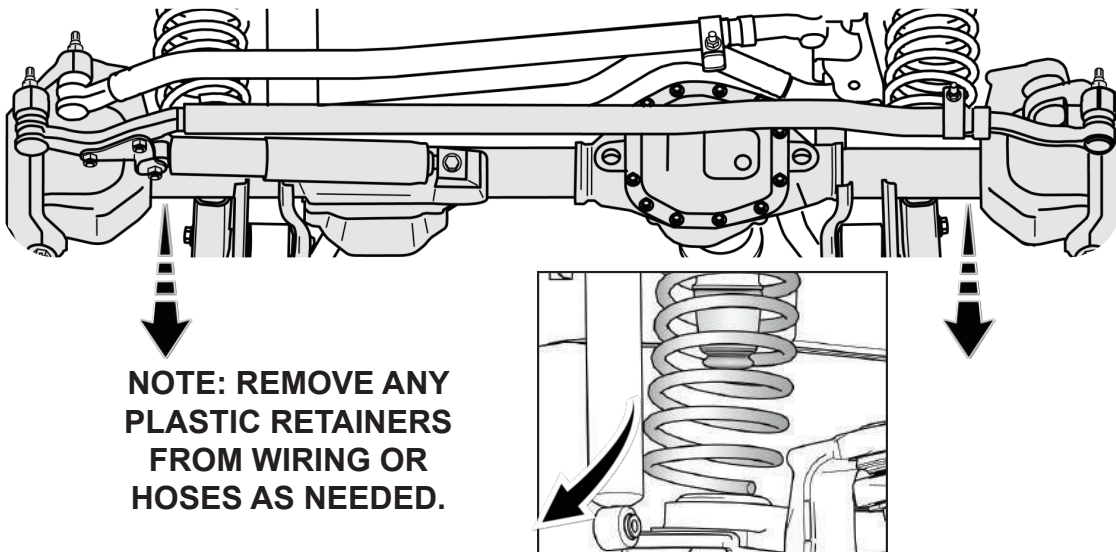


REMOVE FRONT SHOCKS



9

LOWER AXLE AND REMOVE FRONT SPRINGS

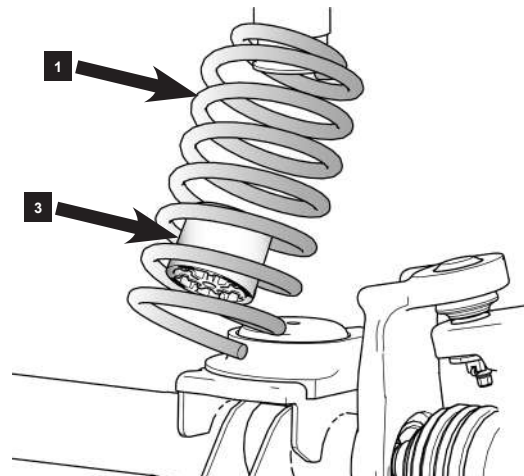


10

INSTALL BUMPSTOP INTO NEW FRONT SPRING

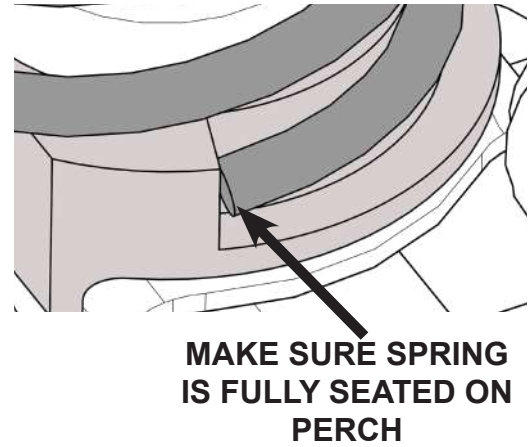
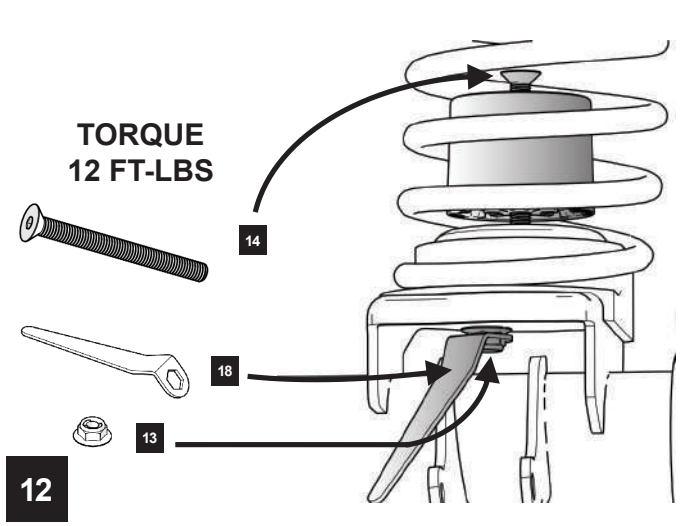
NOTE:

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

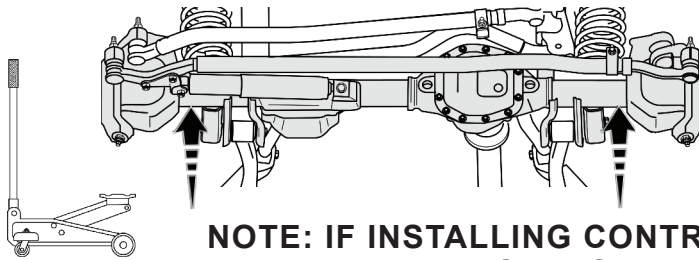


11

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



RAISE AXLE & INSTALL SHOCKS



FOR INSTALLING FALCON SHOCKS

(REFER TO QUICK START GUIDE INSIDE FALCON SHOCK BOX)

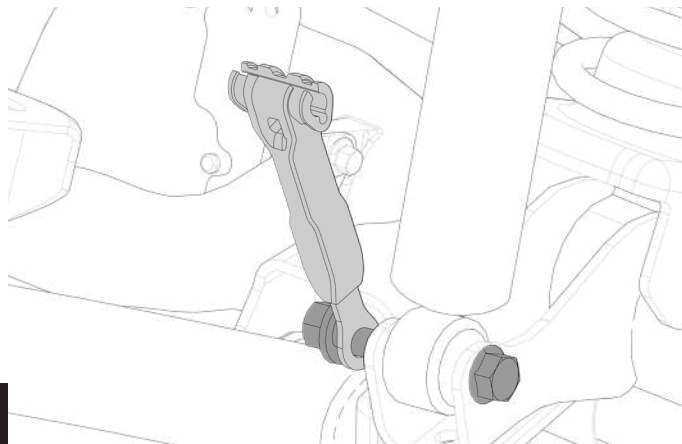


NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, AND THE JEEP WAS RAISED FOR INSTALLATION, LOWER THE JEEP TO THE GROUND AND FINISH INSTALLATION BY TORQUING THE CONTROL ARM BOLTS.

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

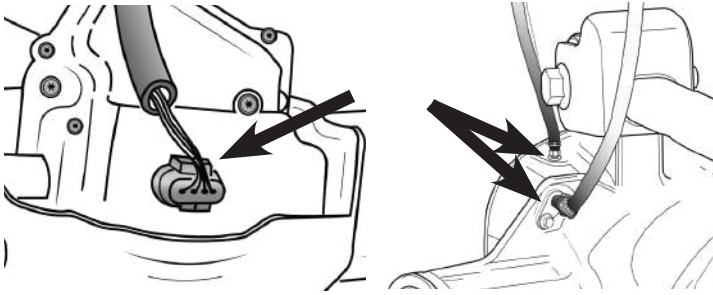
(OPTIONAL) INSTALL BRAKE LINE ANCHORS



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

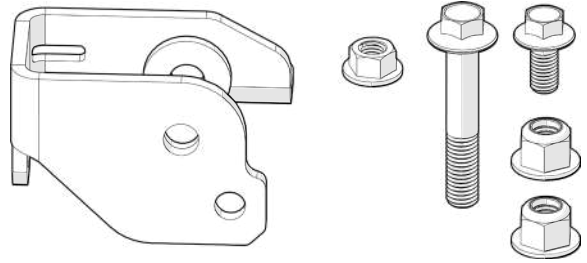
14

RECONNECT CONNECTIONS TO FRONT AXLE



RECONNECT PLASTIC RETAINERS FROM WIRING OR HOSES AS NEEDED.

15

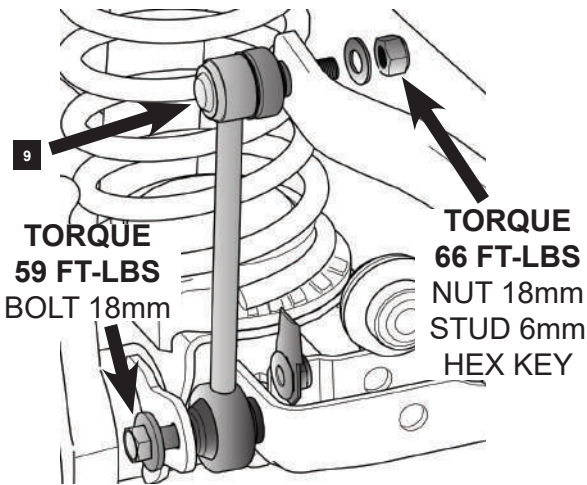


NOTE: REFER TO INSTRUCTION 999312 FOR INSTALLING FRONT TRACK BAR BRACKET

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

16

INSTALL NEW SWAY BAR LINKS

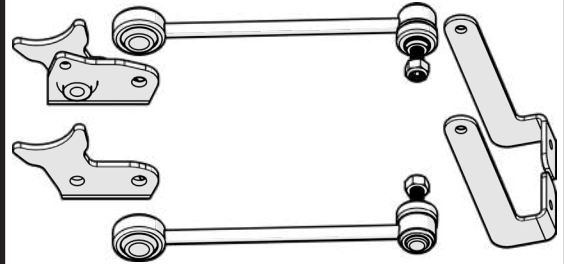


TORQUE 59 FT-LBS BOLT 18mm

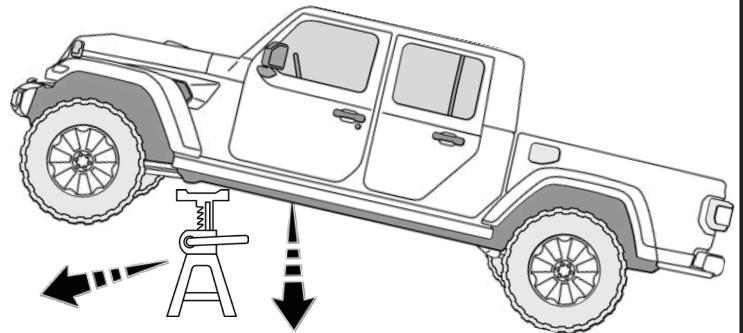
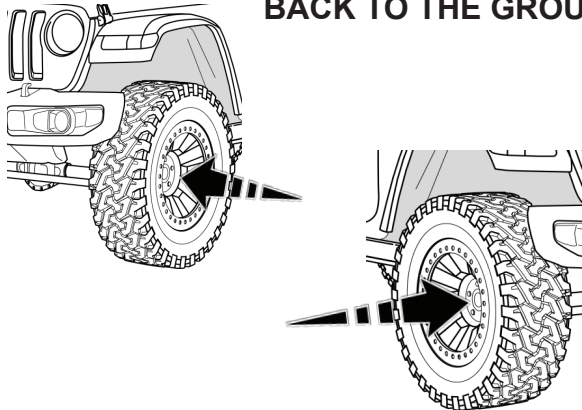
TORQUE 66 FT-LBS NUT 18mm STUD 6mm HEX KEY

17

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



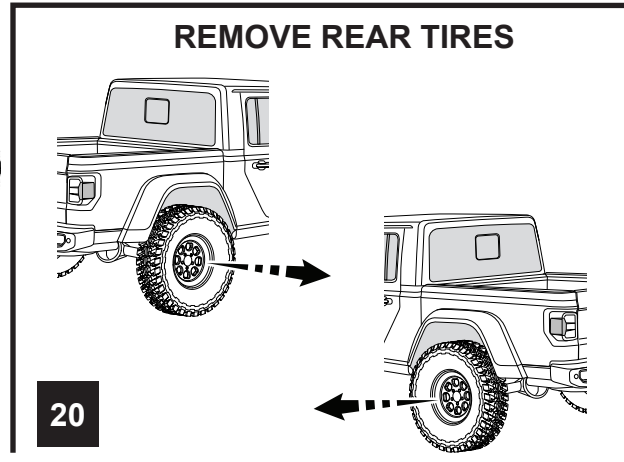
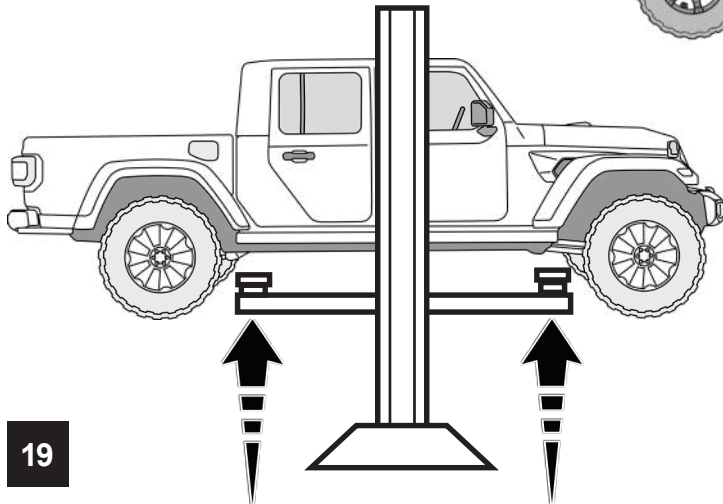
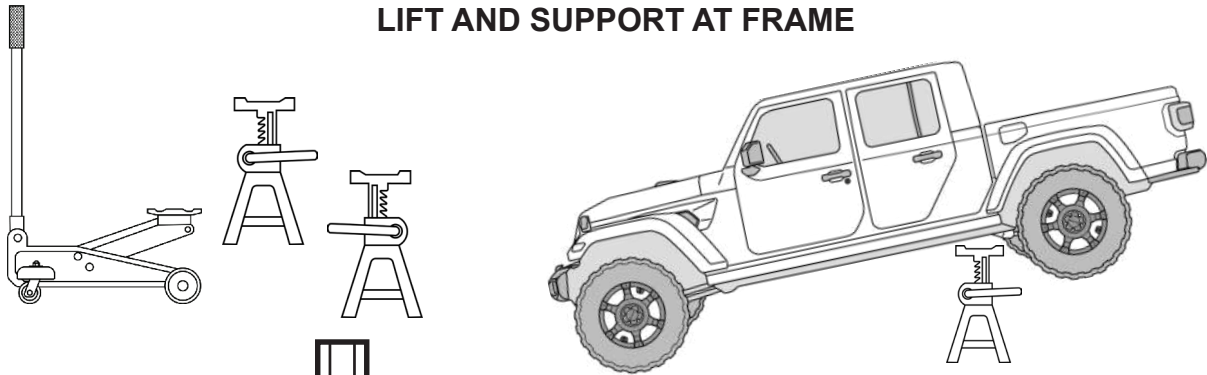
NOTE: IF ONLY FRONT OF JEEP WAS LIFTED, REINSTALL TIRES AND LOWER JEEP BACK TO THE GROUND BEFORE LIFTING THE REAR



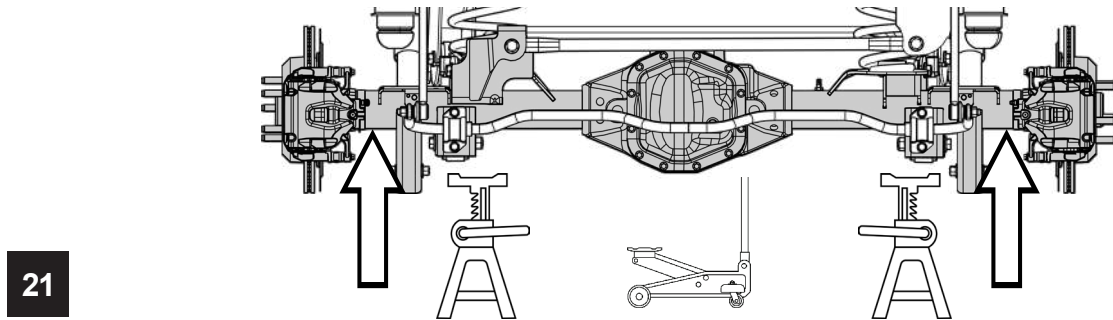
18

TORQUE THE FRONT TIRES TO 130 FT LBS

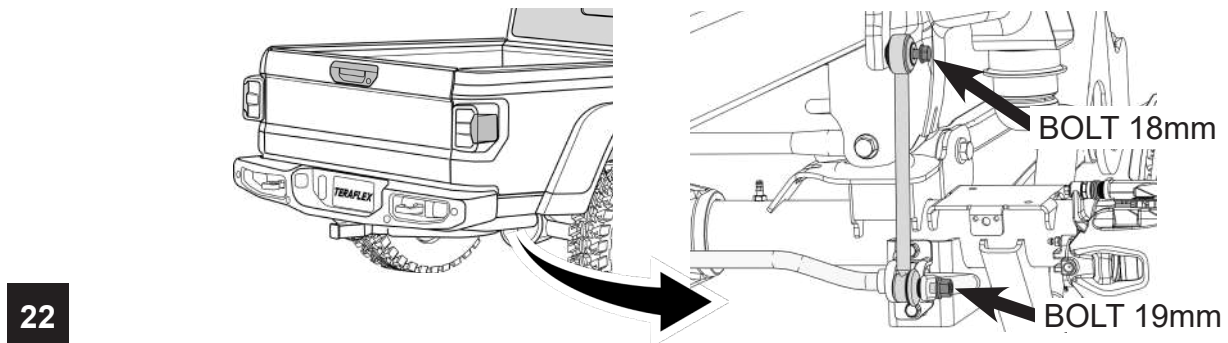
REAR INSTALLATION LIFT AND SUPPORT AT FRAME



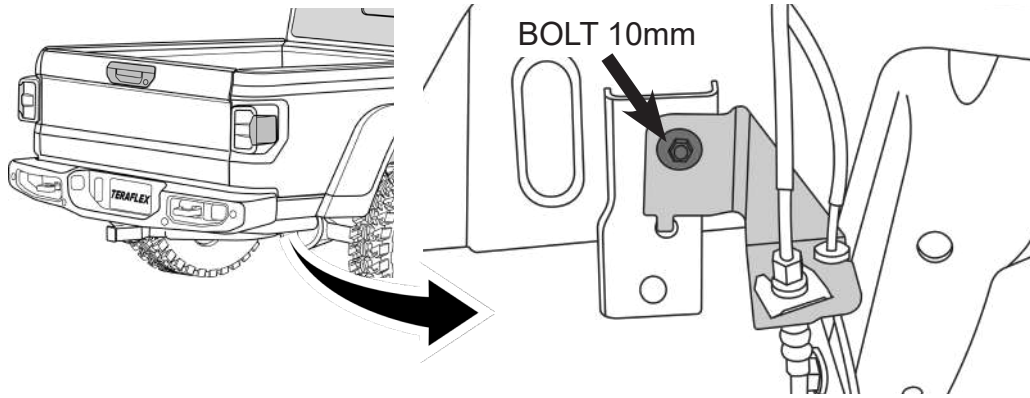
SUPPORT REAR AXLE



REMOVE SWAY BAR LINKS

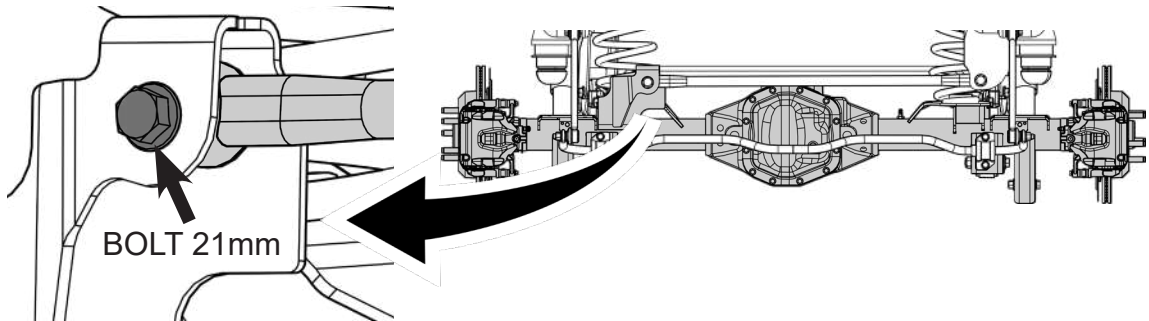


TEMPORARILY REMOVE BRAKE LINE BRACKETS FROM BOTH SIDES OF THE FRAME



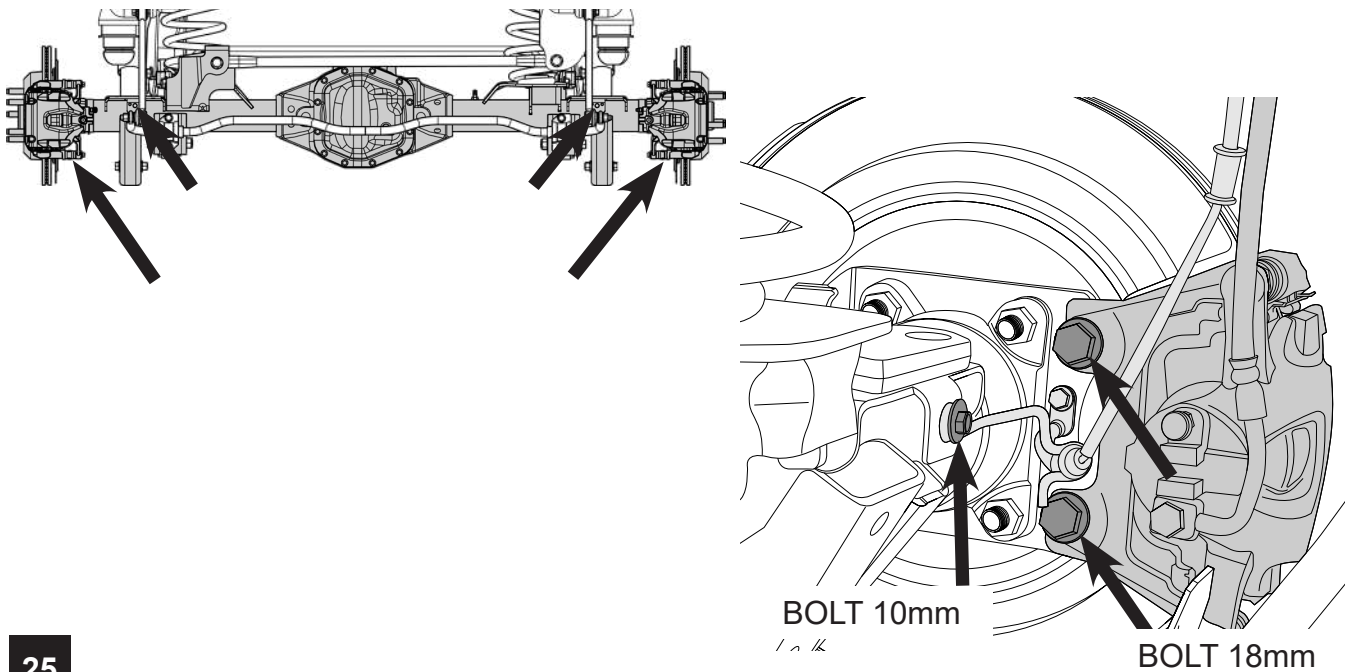
23

REMOVE THE TRACK BAR FROM THE AXLE



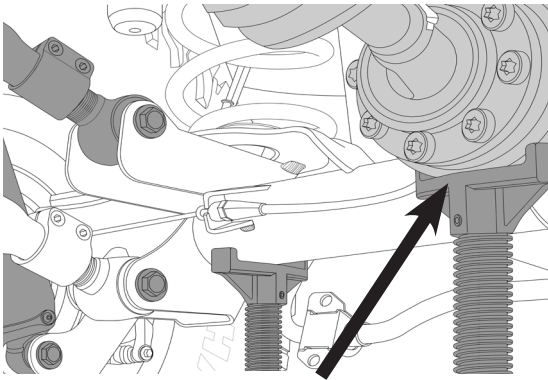
24

REMOVE BRAKE CALIPERS AND WIRE BRACKET FROM THE AXLE



25

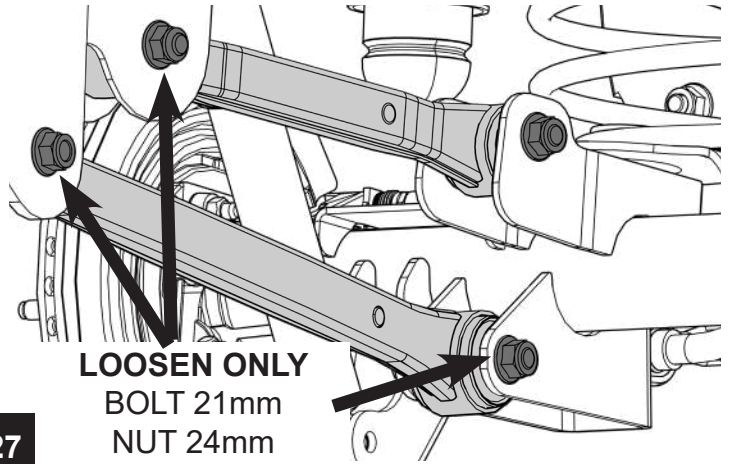
SUPPORT FRONT OF REAR AXLE



26

SUPPORT

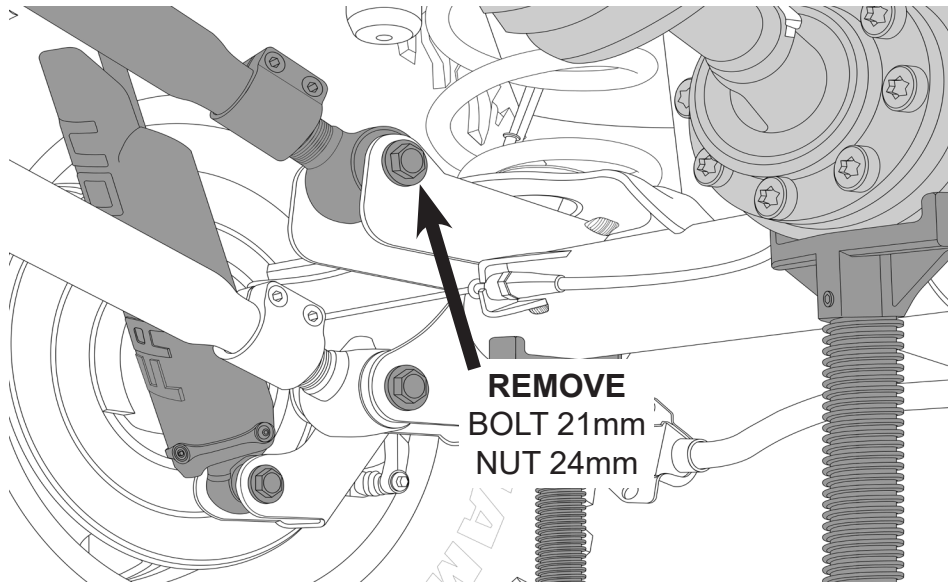
LOOSEN REAR CONTROL ARM BOLTS



27

LOOSEN ONLY
BOLT 21mm
NUT 24mm

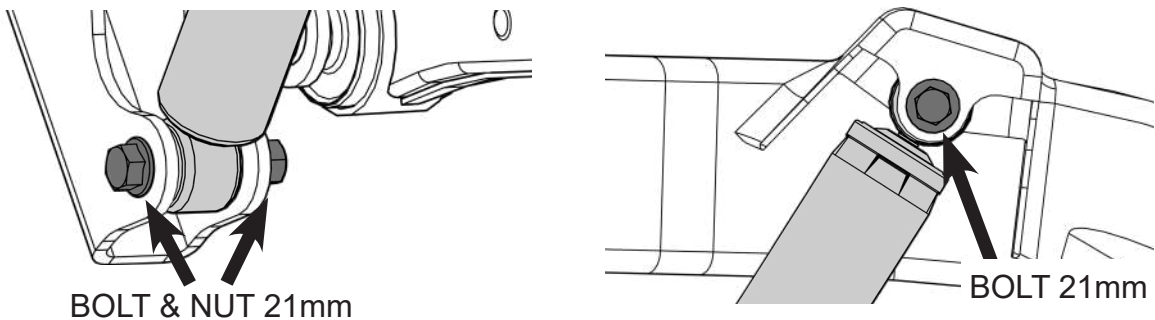
REMOVE UPPER CONTROL ARM BOLT AT THE AXLE



28

REMOVE
BOLT 21mm
NUT 24mm

REMOVE THE REAR SHOCKS

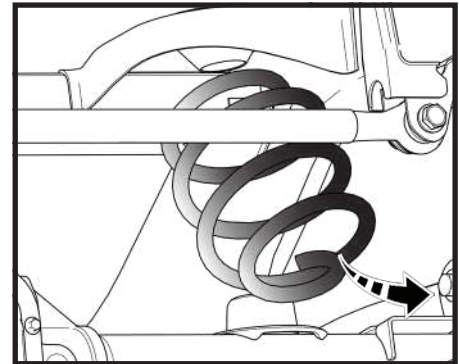
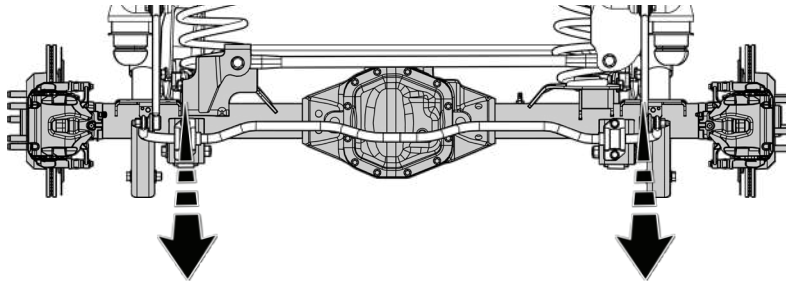


29

BOLT & NUT 21mm

BOLT 21mm

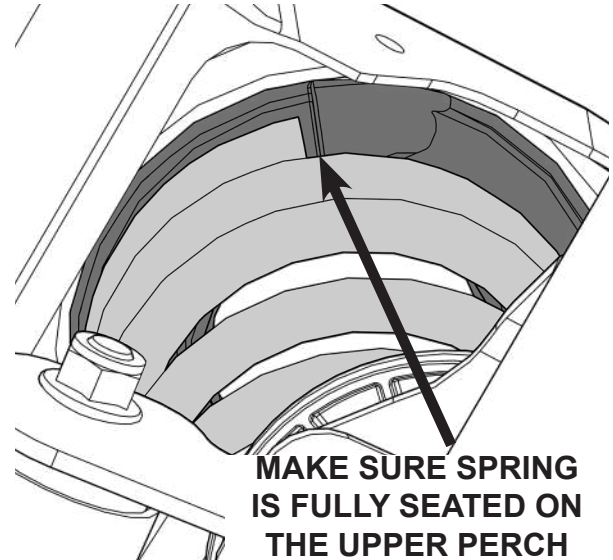
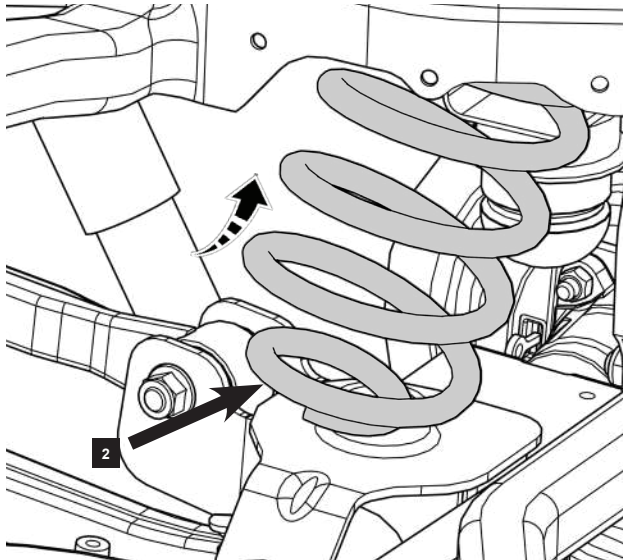
LOWER AXLE TO REMOVE REAR SPRINGS



30

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

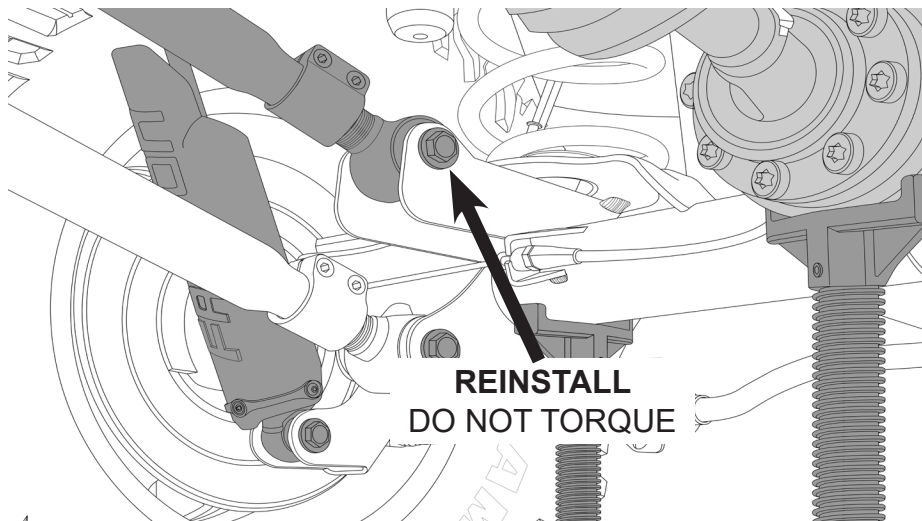
INSTALL THE NEW REAR SPRINGS



31

MAKE SURE SPRING IS FULLY SEATED ON THE UPPER PERCH

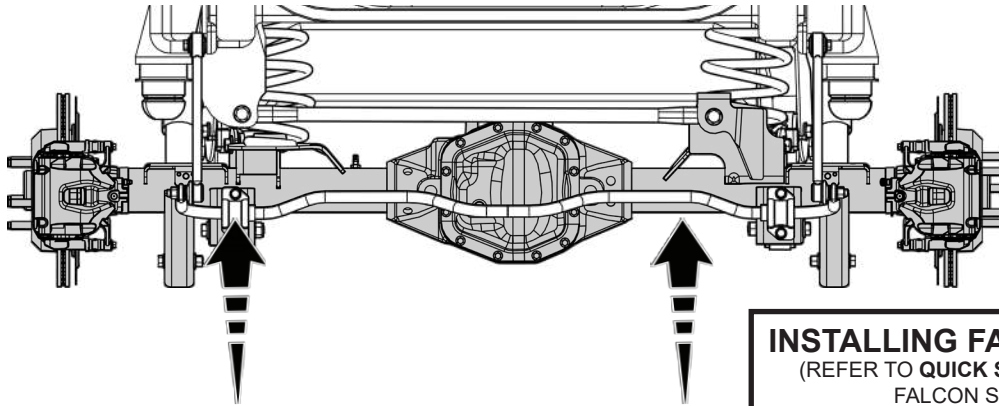
REINSTALL UPPER CONTROL ARMS



32

**REINSTALL
DO NOT TORQUE**

RAISE THE REAR AXLE AND INSTALL NEW SHOCKS



INSTALLING FALCON SHOCKS

(REFER TO QUICK START GUIDE INSIDE FALCON SHOCK BOX)

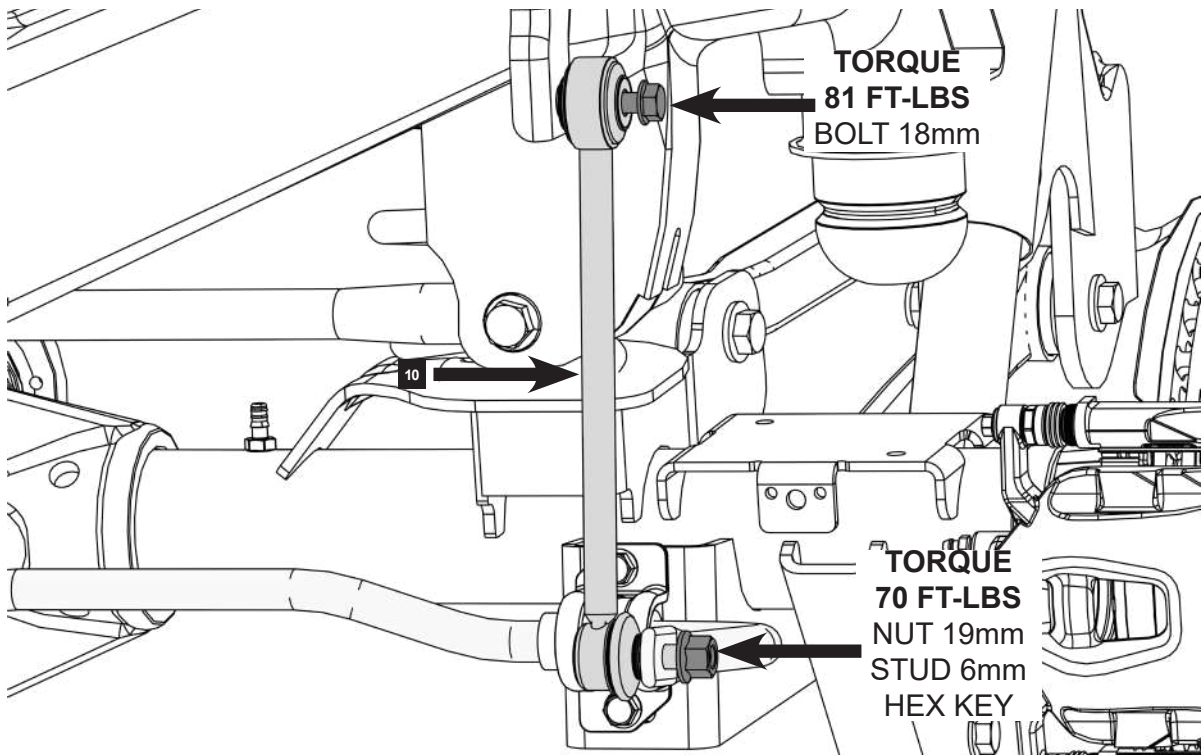


NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, AND THE JEEP WAS RAISED FOR INSTALLATION, LOWER THE JEEP TO THE GROUND AND FINISH INSTALLATION BY TORQUING THE CONTROL ARM BOLTS.

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

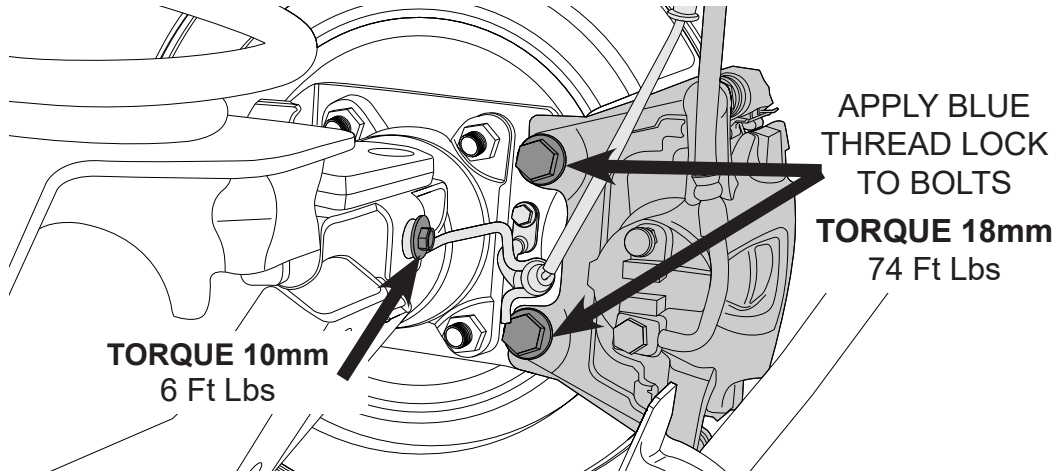
33

INSTALL THE NEW REAR SWAY BAR ENDLINKS



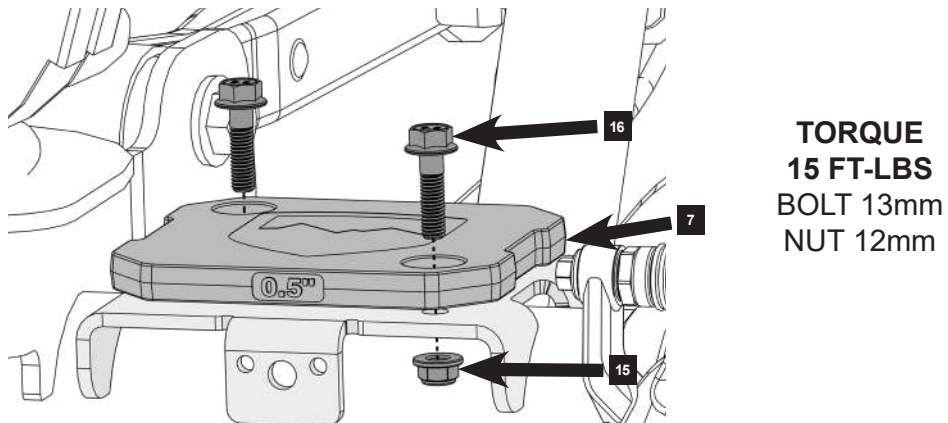
34

REINSTALL BRAKE CALIPERS AND WIRE BRACKETS



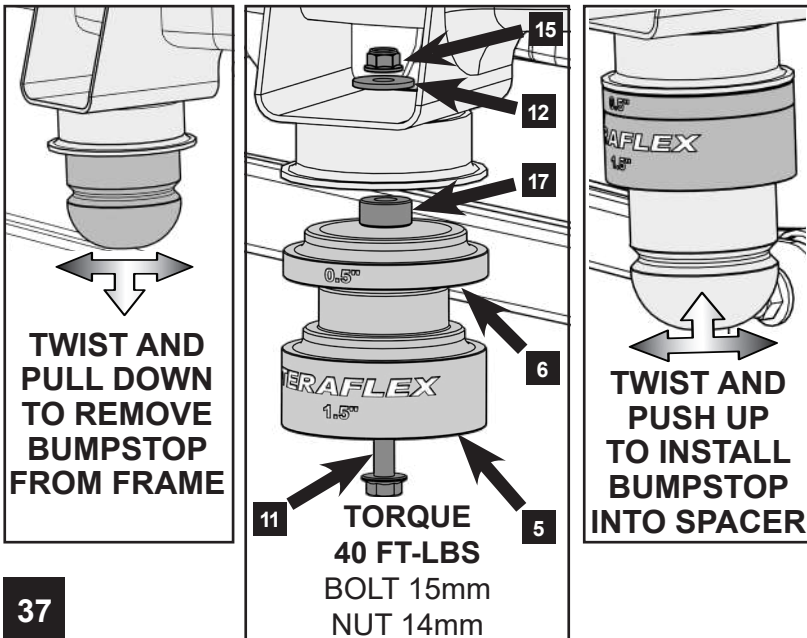
35

INSTALL THE REAR BUMPSTOP SPACERS



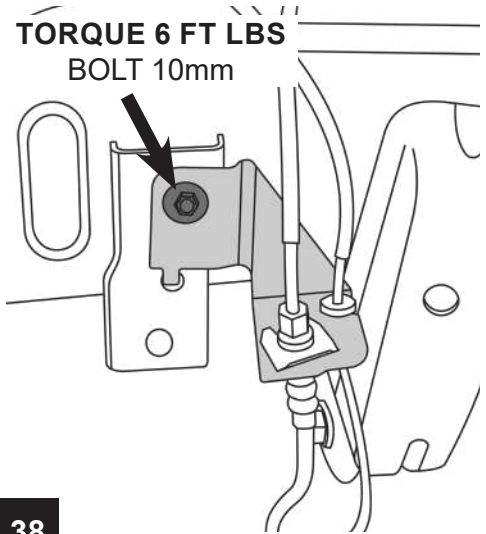
36

INSTALL UPPER BUMPSTOP SPACER



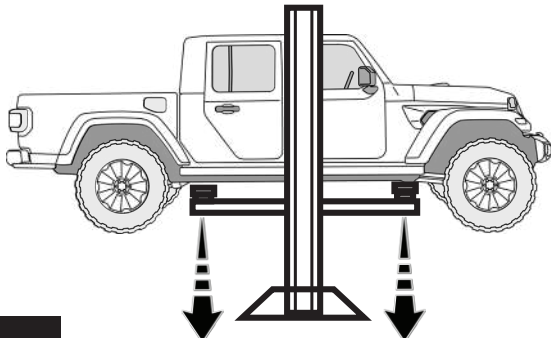
37

REINSTALL THE BRAKE LINE BRACKETS TO THE FRAME



38

REINSTALL TIRES AND LOWER TO THE GROUND

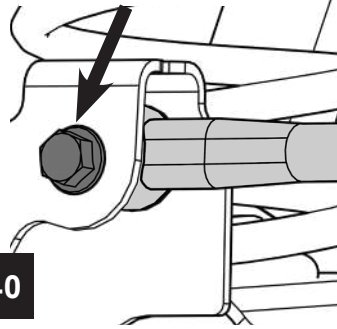


39

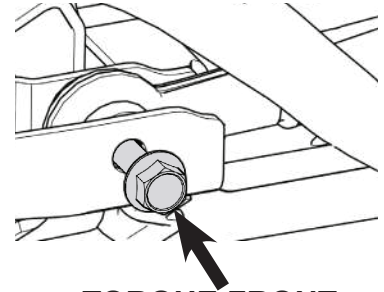
TORQUE TO 130 FT LBS

REINSTALL TRACK BARS AND TORQUE TO THE FOLLOWING SPECS

TORQUE REAR
BOLT 21mm
100 Ft Lbs



40



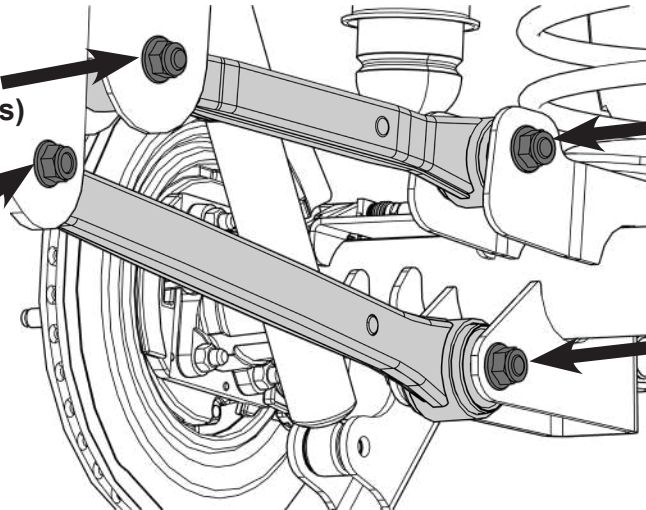
TORQUE FRONT
BOLT 18mm
52 Ft Lbs + 155°
(REF: 230-250 Ft Lbs)

REAR

TORQUE CONTROL ARMS

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)

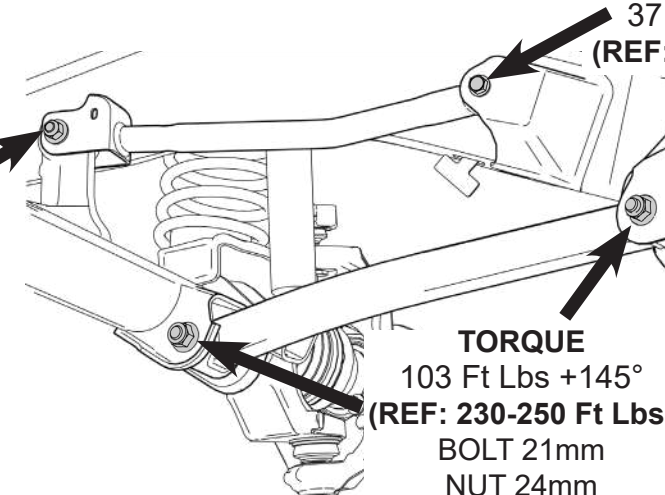
TORQUE
111 Ft Lbs + 60°
(REF: 200-220 Ft Lbs)

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

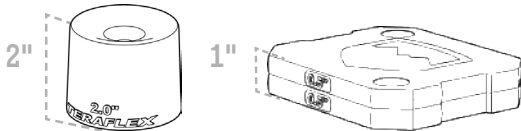
- 35" - 1" Front & No Rear Bump Stop*



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

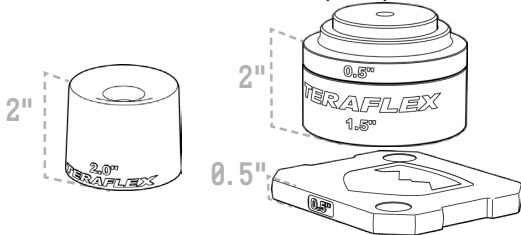
2.5" LIFT KIT

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



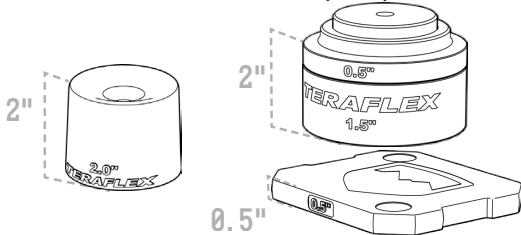
3.5" LIFT KIT

- 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

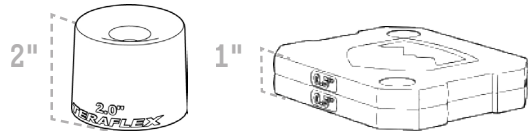
- 33" - 1" Front & No Rear Bump Stop*



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

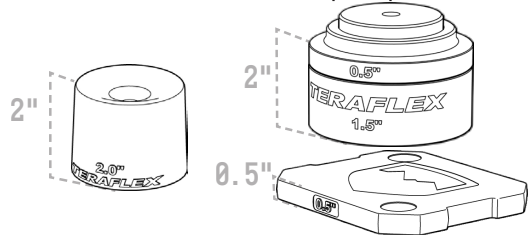
2.5" LIFT KIT

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



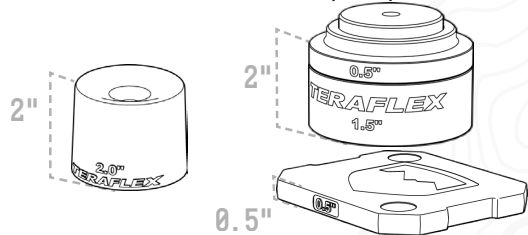
3.5" LIFT KIT

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



4.5" LIFT KIT

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



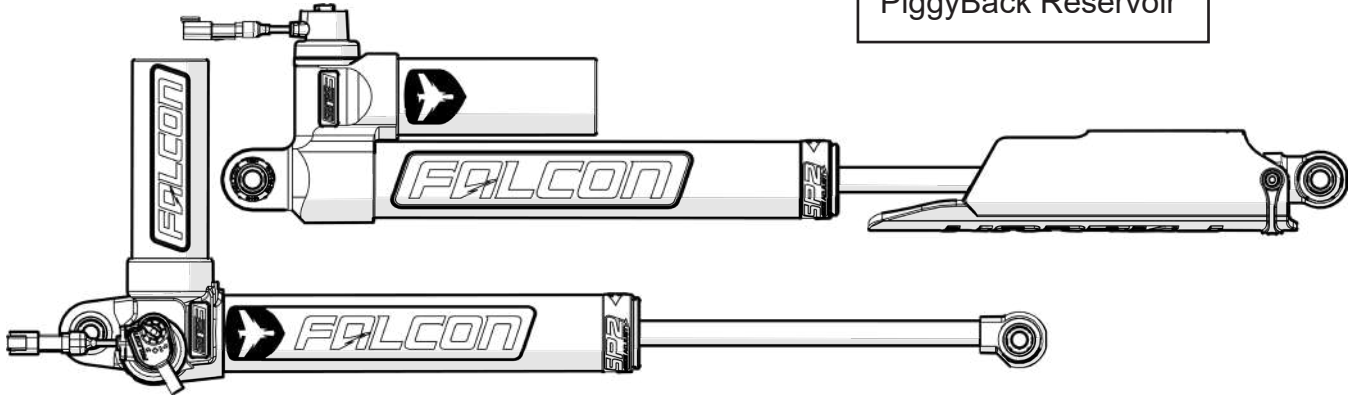
Recommended Bump Stop configuration based on tested tires. Not all Tires Measure the Same. Cycling the suspension to check the shocks, springs and other suspension componets before driving is recommended.

3.5"-4.5" Inch Shock Options

JT Falcon Electronic Adjustable PiggyBack Shocks

- 4 Door Series 3.5, 14-04-35-400-200

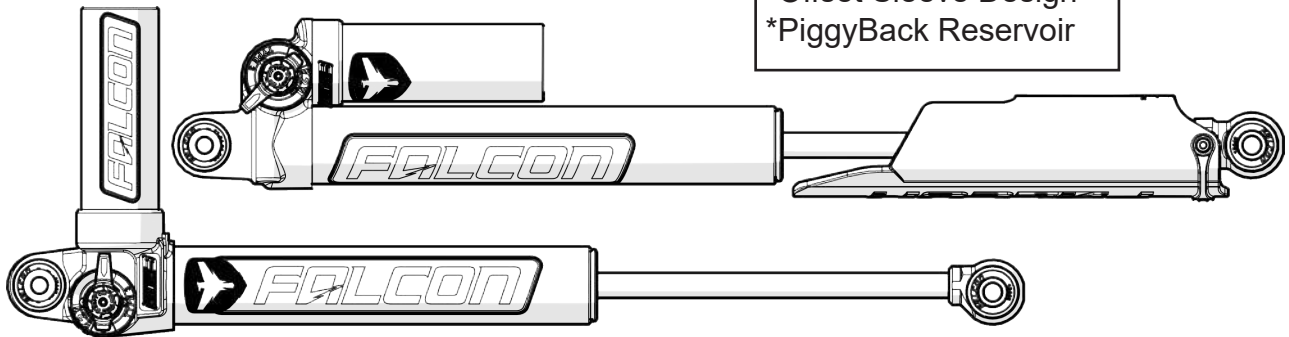
- *Electrically Adjustable
- *3/4" Chrome Shaft
- *Offset Sleeve Design
- *PiggyBack Reservoir



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

