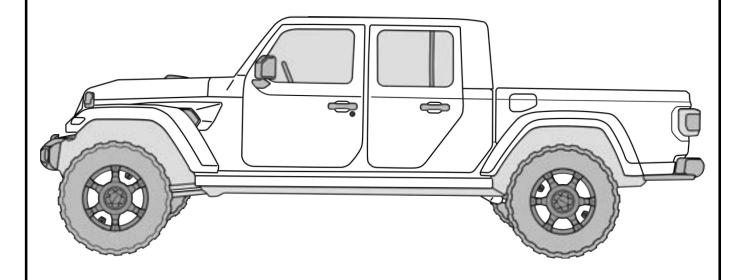


Jeep JT 4.5" Spring Lift

www.TERAFLEX.com

1366000 # 2014000



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.

| | | | | _ | | | |
|-----------------------|-----|--|------------------|-----------|-----------|-----|-----|
| | T | Description | Item # | Base Lift | Sport ST4 | CT4 | RT4 |
| | | 1 Front Spring | 02-21-601-450-1 | 2 | 2 | 2 | 2 |
| | | 2 Rear Spring | 02-23-401-250-1 | 2 | 2 | 2 | 2 |
| | 0 | 3 Front Bumpstops | 12-01-109-200 | 2 | 2 | 2 | - |
| | | 4 Front Bumpstop Spacer | 12-02-109-050 | 4 | 4 | 4 | - |
| | | Rear Top Bumpstop Spacers 1.5" | 12-01-309-150 | 2 | 2 | 2 | 2 |
| | | Rear Top Bumpstop Spacer Rings .5" | 12-01-309-050 | 2 | 2 | 2 | 2 |
| | | 7 Rear Bumpstop Spacers | 12-02-309-050 | 2 | 2 | 4 | 2 |
| ents | | 8 Front Track Bar Bracket | 15-04-109-003 | 1 | 1 | 1 | 1 |
| Spring Box Components | 8 2 | 9 Front Swaybar link 11.50" | 21-01-001-115 | 2 | - | - | - |
| | € = | 10 Rear Swaybar Link 13.0" | 21-01-001-130 | 2 | - | - | - |
| Spr | 0 | M10 x 30mm OD Flat Washer | 45-10-003-003 | 4 | 4 | 4 | 4 |
| | | M10 X 1.50 X 70mm Hex Head Bolt | 45-21-001-001 | 2 | 2 | 2 | 2 |
| | 9 | 13 M10 x 1.5 Fuji Nut | 23-07-03-001 | 4 | 4 | 2 | 2 |
| | 0 | M10 x 1.5 x 100mm Flat Socket Cap Screw | 45-04-003-001 | 2 | 2 | 2 | - |
| | | M8 x 1.25mm Yellow Zinc Fuji Nut | 23-07-03-002 | 4 | 4 | 4 | 4 |
| | | M8 x 1.25 x 30mm Hex Flange Bolt | 45-02-003-016 | 4 | 4 | 4 | 4 |
| | | Rear Upper Bumpstop Spacer | 56-08-05-044-1-1 | 2 | 2 | 2 | 2 |
| | 6 | 18 Nut Wrench Tool | 600271 | 1 | 1 | 1 | - |

| _ | <u> </u> | Description | Item # | Base Lift | Sport ST4 | CT4 | RT4 |
|------------------|----------------|--|---------|-----------|-----------|-----|-----|
| Other Boxed Kits | | Front Sway Bar Quick Disconnect | 1764000 | - | 1 | 1 | 1 |
| | Transp. | Front Brake Line Anchor Kit | 1101255 | - | 1 | 1 | 1 |
| | | Rear Brake Line Anchor Kit | 1101455 | - | 1 | 1 | 1 |
| | The same | Rear Trail Rate Forged S/T Swaybar Kit | 1774700 | - | 1 | 1 | 1 |
| | E. | Front Drop Bracket Kit | 1938125 | - | 1 | - | - |
| | HH | Rear Control Arm Bracket Kit | 1938225 | - | 1 | - | - |
| | | Rear Track Bar Bracket | 1963600 | 1 | 1 | 1 | 1 |
| | | JT Driveline Spacer Kit | 4801000 | 1 | 1 | 1 | 1 |
| | 5211 | JT Extended Travel Accessory Kit | 4834100 | | 1 | 1 | 1 |
| | €£! | JT Rear Upper / Lower Spring Retainer Kit | 4954000 | - | 1 | 1 | 1 |
| | | JT Alpine HD Adjustable Long Control Arm Kit | 1317005 | | - | 1 | - |
| | OR DESCRIPTION | JT Alpine IR HD Adjustable Long Control Arm Kit | 1318005 | - | - | - | 1 |
| | | 4 Door JT Long Arm Bracket Kit | 1968000 | - | - | 1 | 1 |
| | | JL/JT SpeedBump Bump Stop Kit (Front Pair) | 1958325 | - | - | - | 1 |
| | | JL Long Arm Crossmember Reinforcement Skid Plate | 4609100 | - | - | - | 1 |
| | | JL / JT Forged Adjustable Front Track Bar Assembly W/ Joint Kit | 1753420 | - | - | 1 | 1 |
| | W | JT Forged Adjustable Rear Track Bar Assembly W/ Joint Kit | 1764420 | - | - | - | 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.

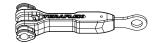
*FOR FRONT TRACK BAR BRACKET: Refer to Instruction #999312



*FOR FRONT QUICK DISCONNECTS: Refer to Instruction #999372



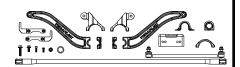
*FOR FRONT BRAKE LINE ANCHORS: Refer to Instruction #999267



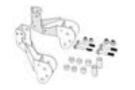
*FOR REAR BRAKE LINE ANCHORS: Refer to Instruction #999396



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



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

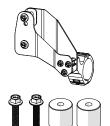


*FOR REAR CONTROL ARM BRACKET: Before continuing refer to Instruction #999398



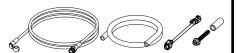
NOTES

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



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

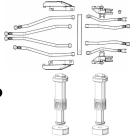
*FOR JT EXTENDED TRAVEL ACCESSORY KIT: Refer to Instruction #999402



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



*FOR 4 DOOR JT LONG ARM BRACKET KIT: Before continuing refer to Instruction #999400



*FOR JL/JT SPEEDBUMP BUMP STOP KIT: Before continuing refer to Instruction #999344

*FOR JL LONG ARM CROSSMEMBER REINFORCEMENT SKID PLATE: Refer to Instruction #999359

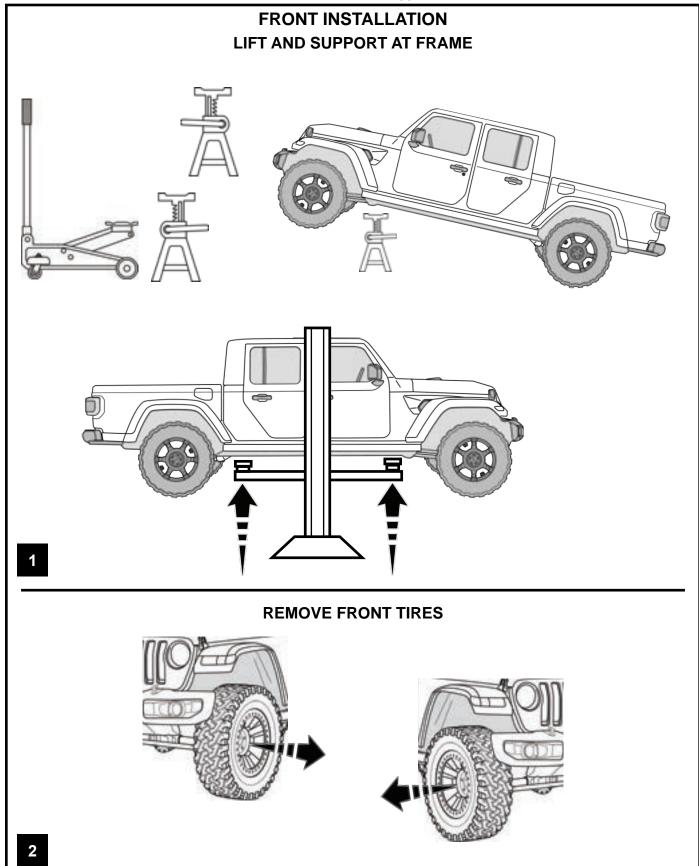


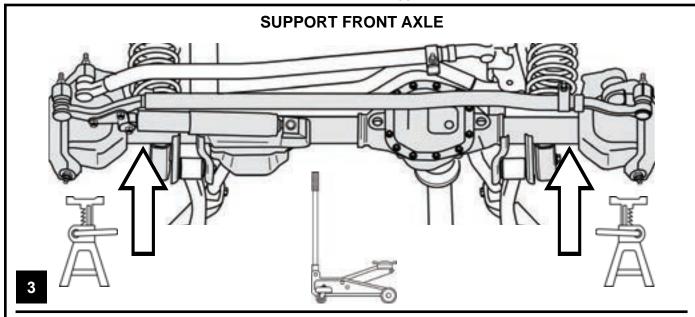
*FOR JL/JT FORGED ADJUSTABLE FRONT TRACK BAR ASSEMBLY WITH JOINT KIT: Refer to Instruction #999340



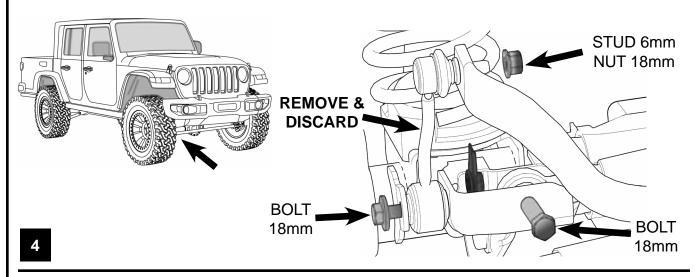
*FOR FORGED ADJUSTABLE REAR TRACK BAR ASSEMBLY WITH JOINT KIT: Refer to Instruction #999384



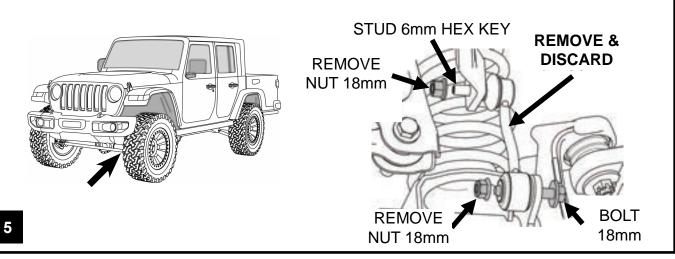




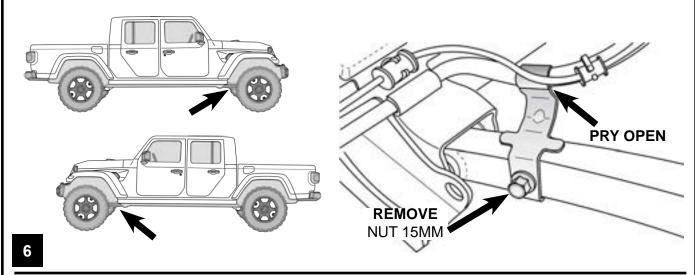
REMOVE PASSENGER SWAY BAR LINK & REMOVE TRACK BAR BOLT AT THE AXLE



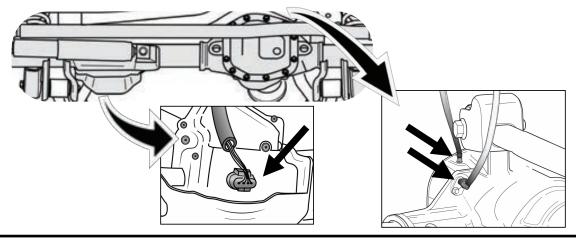
REMOVE DRIVER SWAY BAR LINK



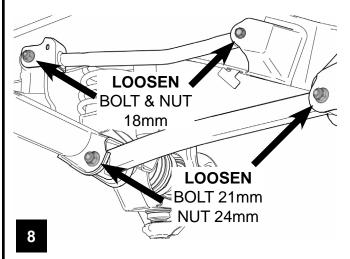
REMOVE AND DISCARD BRAKE LINE BRACKETS FROM LOWER CONTROL ARMS

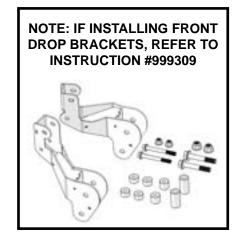


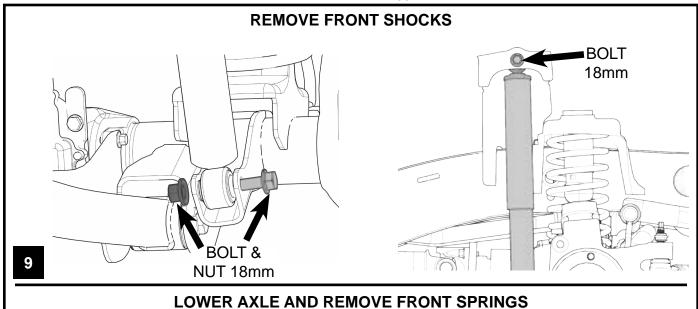
DISCONNECT ACTUATORS AND VENT HOSE AT THE FRONT AXLE

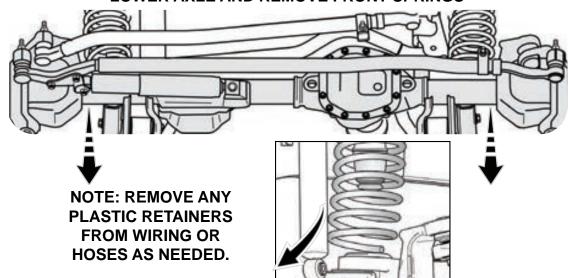


LOOSEN FRONT CONTROL ARM BOLTS NOTE: DO NOT REMOVE THE CONTROL ARM BOLTS



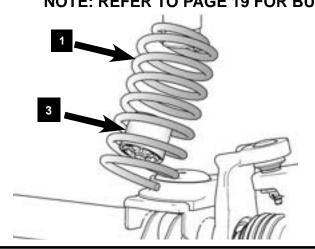






10

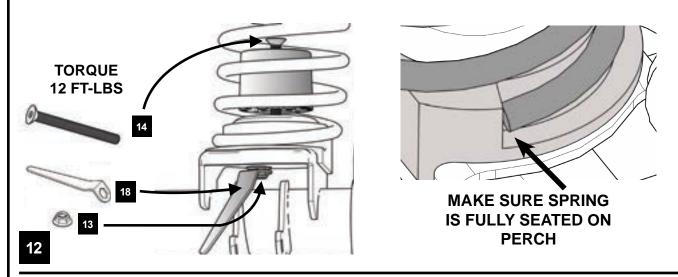
INSTALL FRONT SPRINGS AND LOWER BUMPSTOPS NOTE: REFER TO PAGE 19 FOR BUMPSTOP AMOUNT



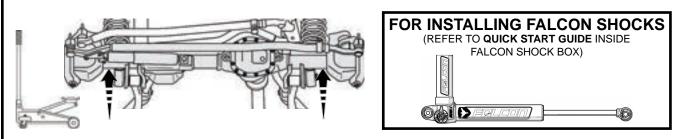


11

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



RAISE AXLE & INSTALL NEW SHOCKS



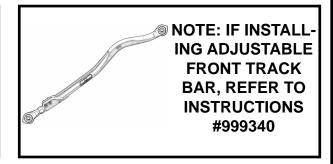
NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, LOWER THE JEEP TO THE GROUND BEFORE TORQUING THE CONTROL ARM BOLTS.

NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE IR BUSHINGS THE CONTROL ARM BOLTS CAN BE TORQUED WITH THE JEEP RAISED.

REFER TO PAGE 18 FOR TORQUE SETTINGS

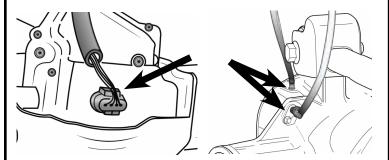
13

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.

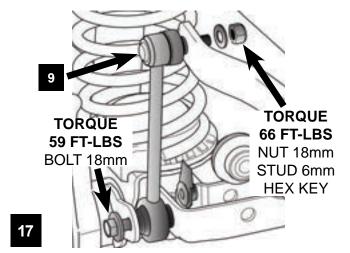
NOTE: FOR INSTALLING FRONT
TRACK BAR BRACKET, REFER TO
INSTRUCTION #999312

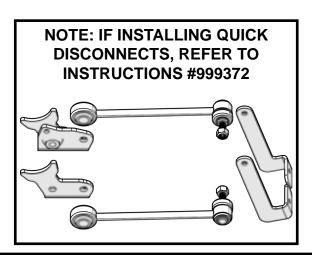
NOTE: IT IS EASIEST TO REINSTALL TRACK BAR AFTER JEEP IS BACK ON THE GROUND

16

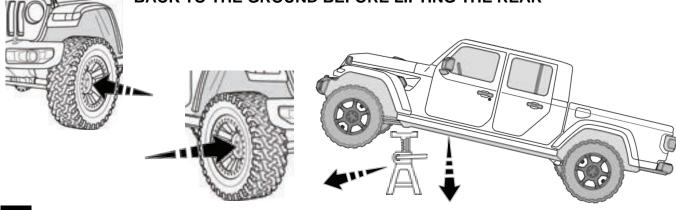
15

INSTALL NEW SWAY BAR LINKS



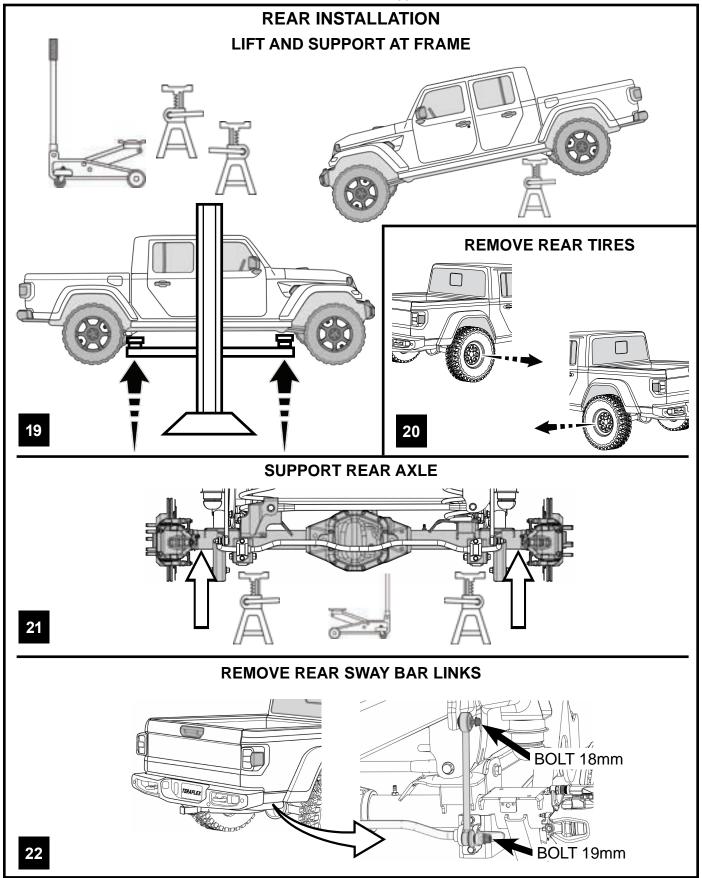


NOTE: IF ONLY FRONT OF JEEP WAS LIFTED, REINSTALL TIRES AND LOWER JEEP
BACK TO THE GROUND BEFORE LIFTING THE REAR

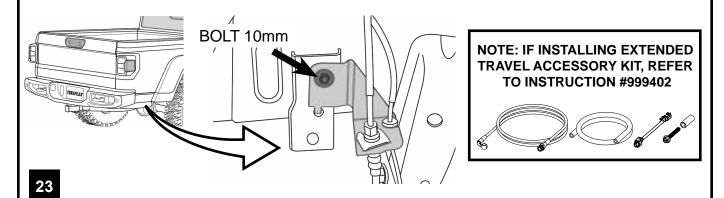


18

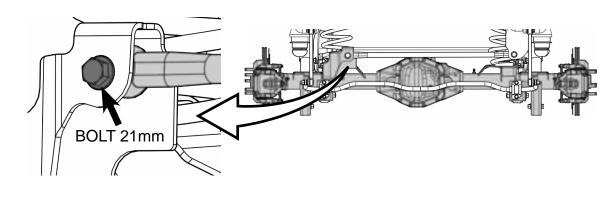
TORQUE THE FRONT TIRES TO 130 FT LBS



TEMPORARILY REMOVE BRAKE LINE BRACKETS FROM BOTH SIDES OF THE FRAME

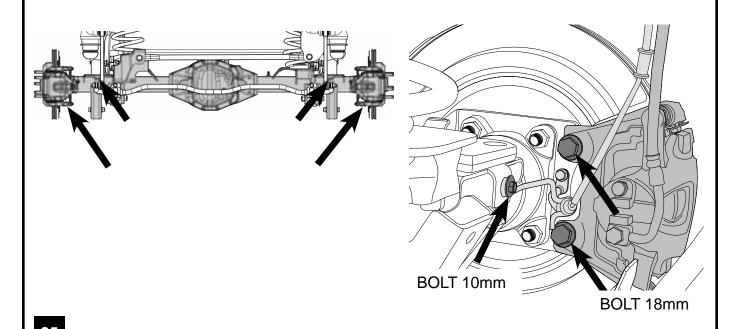


REMOVE THE TRACK BAR FROM THE AXLE

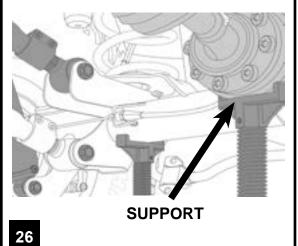


REMOVE BRAKE CALIPERS AND WIRE BRACKET FROM THE AXLE

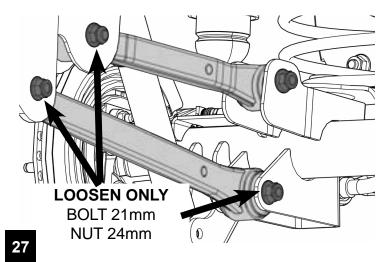
24



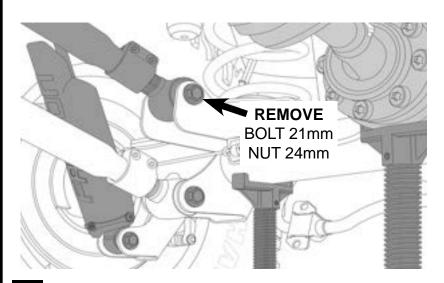
SUPPORT FRONT OF REAR AXLE

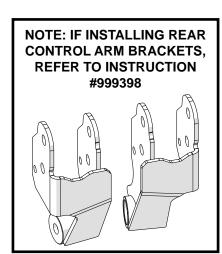


LOOSEN REAR CONTROL ARM BOLTS



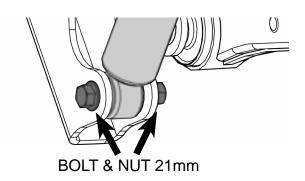
REMOVE UPPER CONTROL ARM BOLT AT THE AXLE

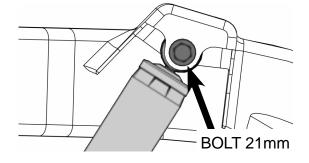




28

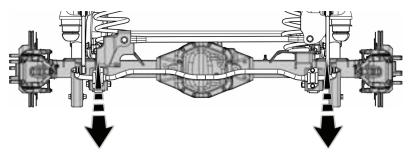
REMOVE THE REAR SHOCKS

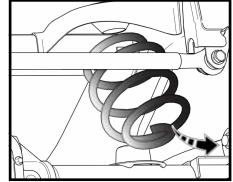




29

LOWER AXLE TO REMOVE REAR SPRINGS

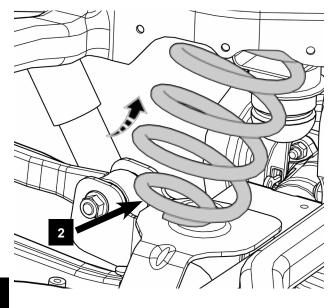


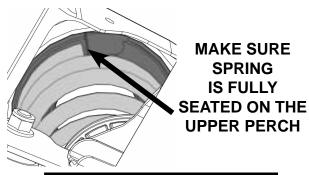


30

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

INSTALL THE NEW REAR SPRINGS

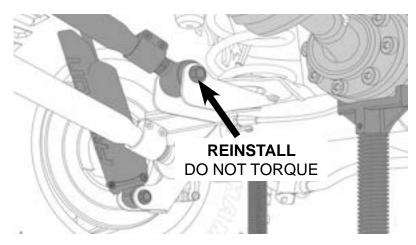






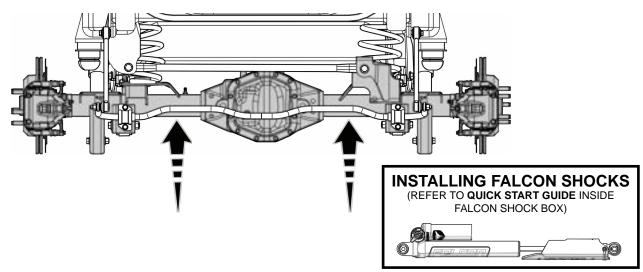
31

REINSTALL UPPER CONTROL ARMS



32

RAISE THE REAR AXLE AND INSTALL NEW SHOCKS

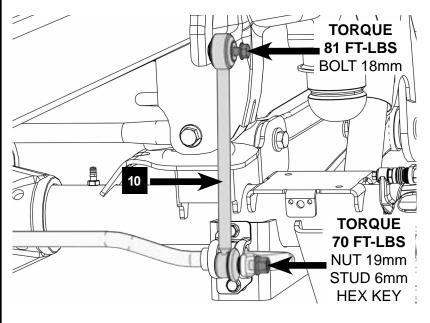


NOTE: IF INSTALLING CONTROL ARMS WITH ALPINE BUSHINGS, AND THE JEEP WAS RAISED FOR INSTALLATION, LOWER THE JEEP TO THE GROUND AND FINISH INSTALLATION BY TORQUING THE CONTROL ARM BOLTS.

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 18 FOR TORQUE SETTINGS

INSTALL THE NEW REAR SWAY BAR LINKS

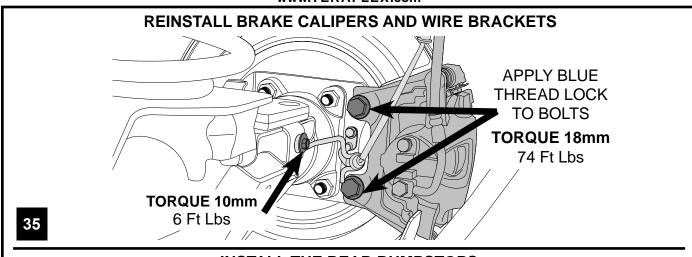




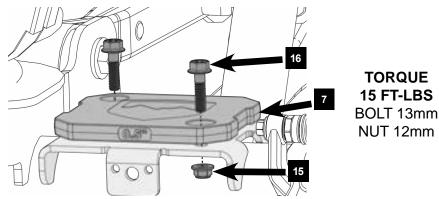


34

33

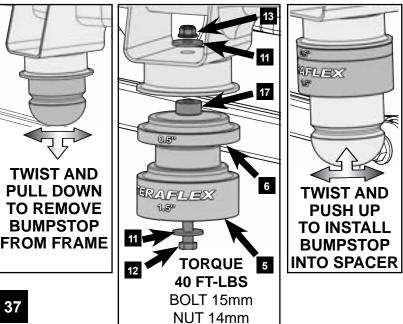


INSTALL THE REAR BUMPSTOPS NOTE: REFER TO PAGE 19 FOR BUMPSTOP AMOUNT

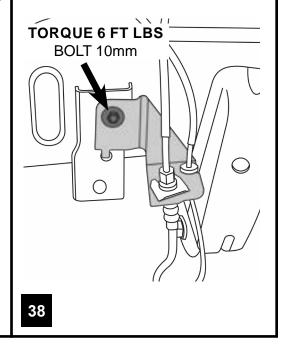


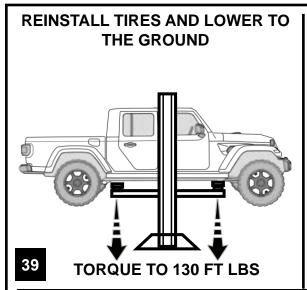
36

INSTALL UPPER BUMPSTOP SPACERS NOTE: REFER TO PAGE 19 FOR BUMPSTOP AMOUNT



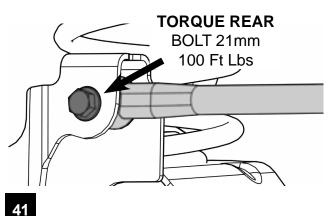
REINSTALL THE BRAKE LINE **BRACKETS TO THE FRAME**





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

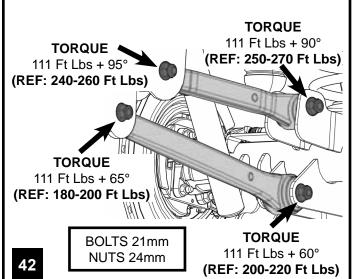
REINSTALL REAR TRACK BARS AT THE AXLE



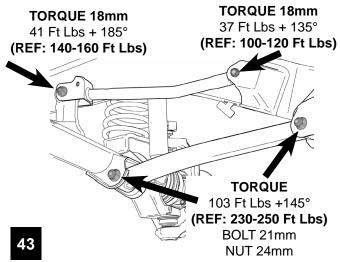




TORQUE REAR CONTROL ARM



TORQUE FRONT CONTROL ARMS



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

Compatable Lift Kit Heights: 1.5"

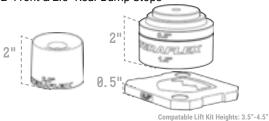
35" TIRES

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



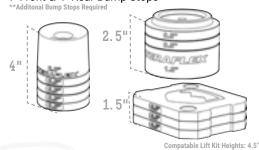
37" TIRES

• 2" Front & 2.5" Rear Bump Stops



39" TIRES

• 4" Front & 4" Rear Bump Stops





Additional 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

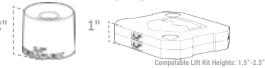
with Factory Fender Flares:

33" TIRES

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

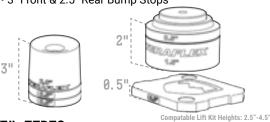
*For vehicles with TERAFLEX Nomad Wheels, add 0.5" Bump Stop to the rear axle.

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)

2"

1. 5"

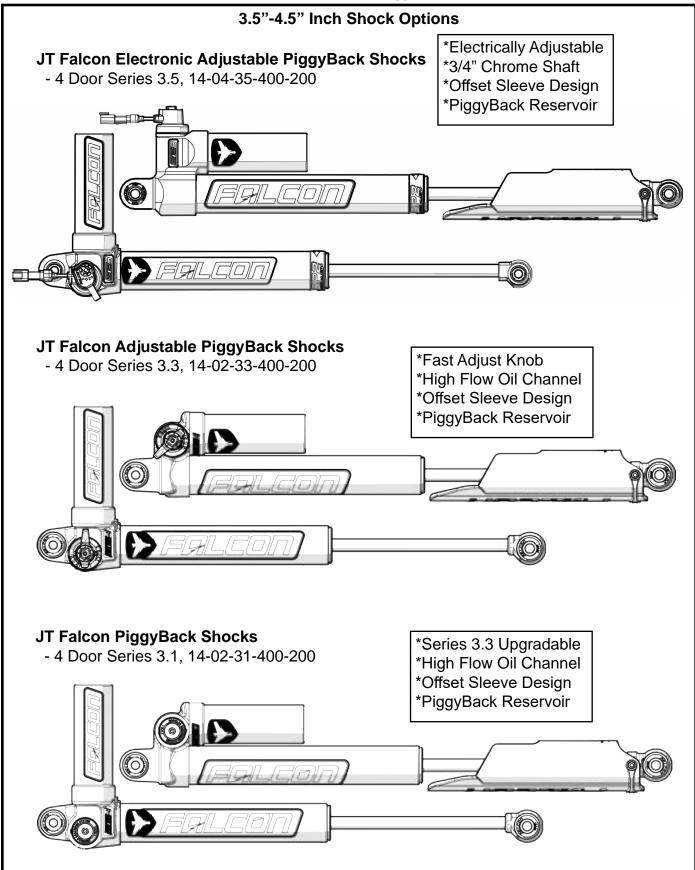
Compatable Life Kit Heighter A

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.

Rev C 999368

801.713.3314 • TERAFLEX.com





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 ali

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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