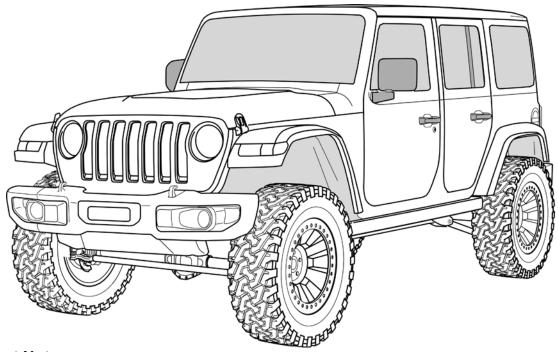


Jeep JL 4.5" Spring Lift



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 a 37" tire is being installed on a Sport or Sahara additional up travel limit may be required using Bumpstop Spacer Kit #1959300.

Tools Needed:

- Metric Sockets and Open End Wrenches
- Torque Wrench

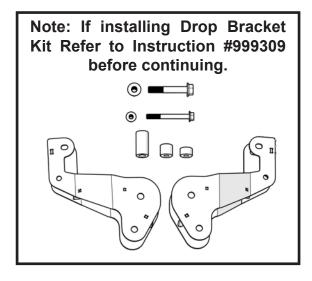
- Factory Service Manual
- General Mechanics Tools

Maintenance Note:

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

				Alpine CT4		Sport ST4		Base Spring Lift	
-		Description	Item #	4DR	2DR	4DR	2DR	4DR	2DF
	A.	1 Front	02-21-401-400-1	2	-	2	-	2	-
	All the		02-21-201-400-1	-	2	-	2	-	2
		2 Rear Left	02-22-411-400-1	1	-	1	-	1	-
			02-22-211-400-1	-	1	-	1	-	1
		3 Rear Right	02-22-421-400-1	1	-	1	-	1	-
			02-22-221-400-1	_	1	_	1	-	1
		4 Front Bumpstops	12-01-109-200	2	2	2	2	2	2
	Orania Service Control	5 Rear Bumpstops	12-01-209-200	2	2	2	2	2	2
	8 8 8	6 Rear Bumpstop Bracket	12-02-209-002	2	2	2	2	2	2
	0 0	Rear Bumpstop Mounting Strap	12-02-209-001	2	2	2	2	2	2
		8 Front Bumpstop Spacers	12-02-109-050	4	4	4	4	4	4
onents		Rear Bumpstop Spacers	12-02-209-050	4	4	4	4	4	4
Spring Box Components	8	10 Front Swaybar link 10.75"	744500	2	2	2	2	2	2
Bo	.	11 Rear Swaybar Link 11.50	21-01-001-115	2	2	2	2	2	2
Spring	9	M10 x 1.5 Fuji Nut	23-07-03-001	6	6	6	6	6	6
	(f)	M10 x 1.5 x 100mm Flat Socket Cap Screw	45-04-003-001	2	2	2	2	2	2
		M10 x 1.5 x 50mm Socket Cap Screw	45-03-003-001	4	4	4	4	4	4
		M10 x 1.5 x 25mm Button Socket Cap Screw	45-05-003-003	4	4	4	4	4	4
		16 M10 Lock Washer	45-12-002-001	4	4	4	4	4	4
		17 Nut Wrench Tool	600271	1	1	1	1	1	1
		Brake Line Anchor Kit	1101255	1	1	1	1	1	1
		Front Track Bar Bracket Kit	1953500	1	1	1	1	1	1
		Rear Track Bar Bracket Kit	1953600	1	1	1	1	1	1
		M12 x 1.75 x 55mm Button Socket Cap Screw	45-05-003-001	2	2	2	2	2	2
		M12 x 1.75mm Black Fuji Nut	23-07-02-002	2	2	2	2	2	2

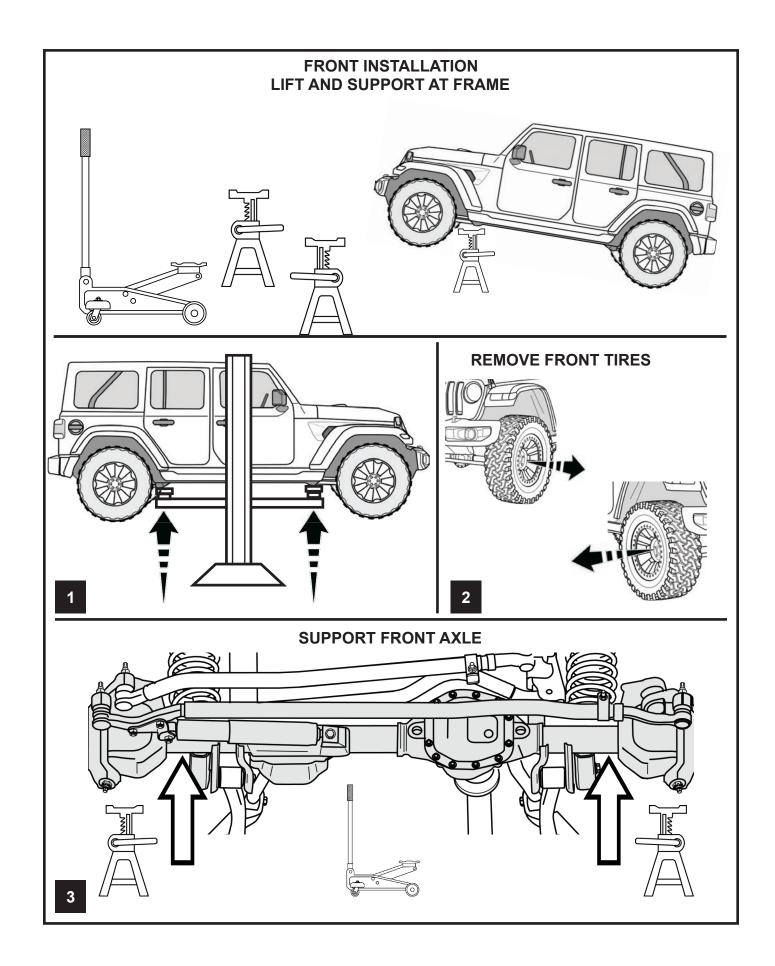
						Sport ST4		Base Spring Lift	
		Description	Item #	4DR	2DR	4DR	2DR	4DR	2DR
Other Boxed Kits		Jounce Bumpers Kit	1959200	1	1	1	1	-	-
		Alpine Control Arm Kit	1310510	1	1	-	1	1	-
		Front Track Bar Kit	07-02-110-110	1	1	1	'	'	-
		Front Drop Bracket Kit	1938125	-	-	1	1	-	-





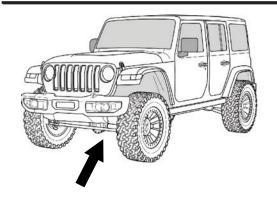
*INSTALL CONTROL ARMS OR DROP BRACKETS WITH THE JEEP ON THE GROUND.
THE WEIGHT OF THE JEEP WILL MAKE THE INSTALLATION EASIER*

LEAVE CONTROL ARM BOLTS LOOSE UNTIL THE END OF THE LIFT INSTALLATION

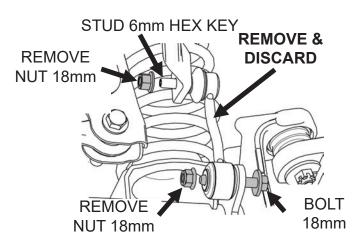




4



18mm

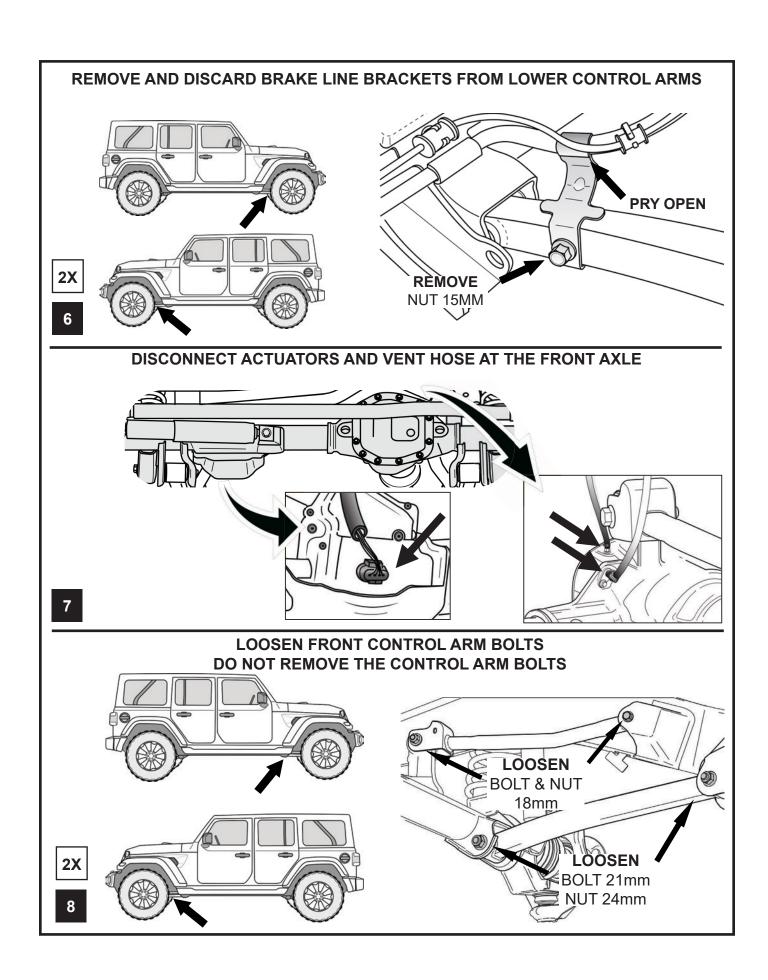


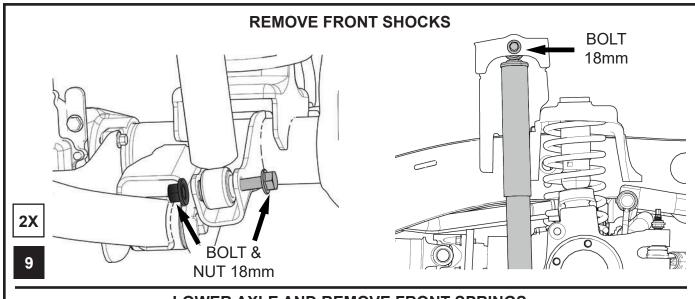
BOLT

18mm

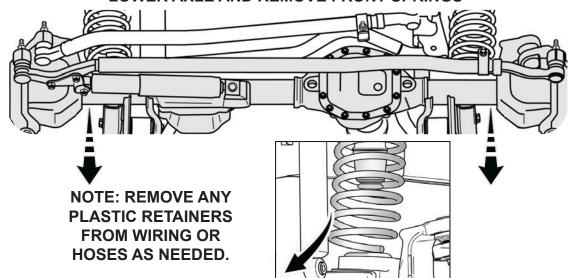
5

Note: If installing Front Track Bar Kit, you can fully remove the stock front track bar and discard.

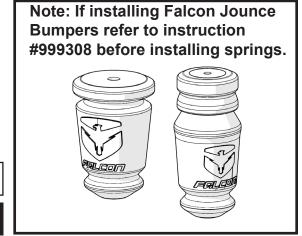


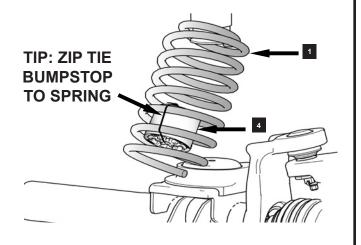






INSTALL BUMPSTOP INTO NEW FRONT SPRING

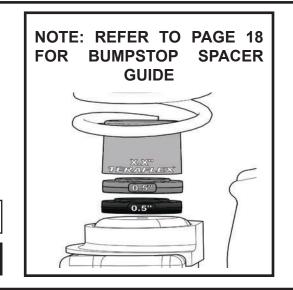


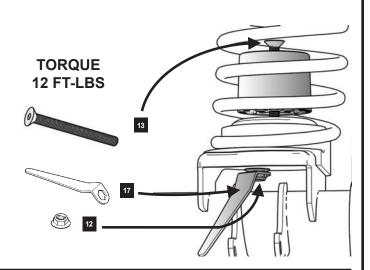


2X

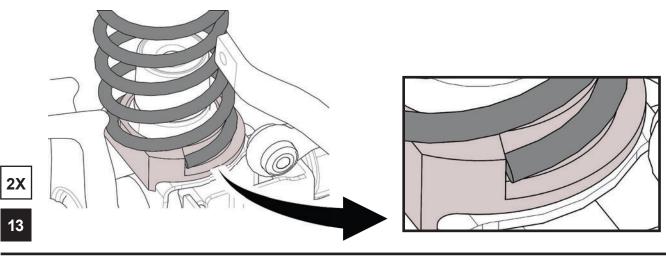
2X

10

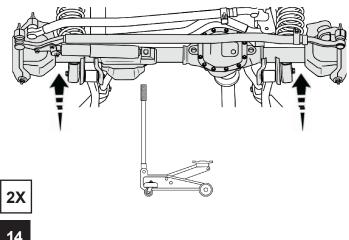


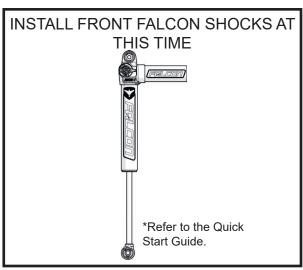


FULLY SEAT THE SPRINGS INTO THE LOWER SPRING ISOLATOR

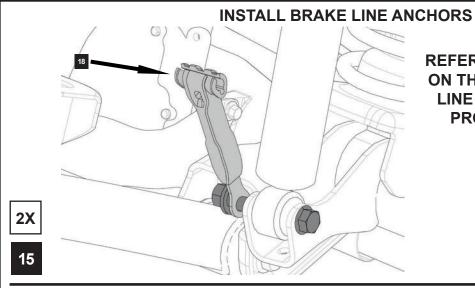






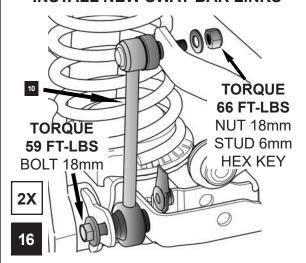


2X



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

INSTALL NEW SWAY BAR LINKS



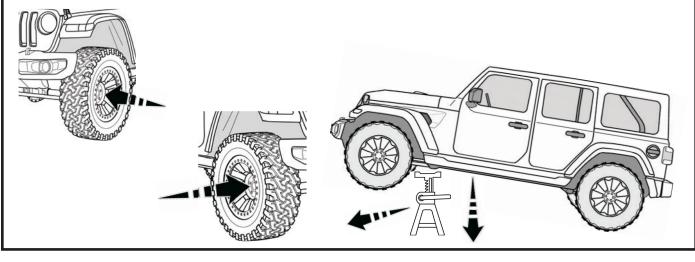
RECONNECT CONNECTIONS TO FRONT AXLE

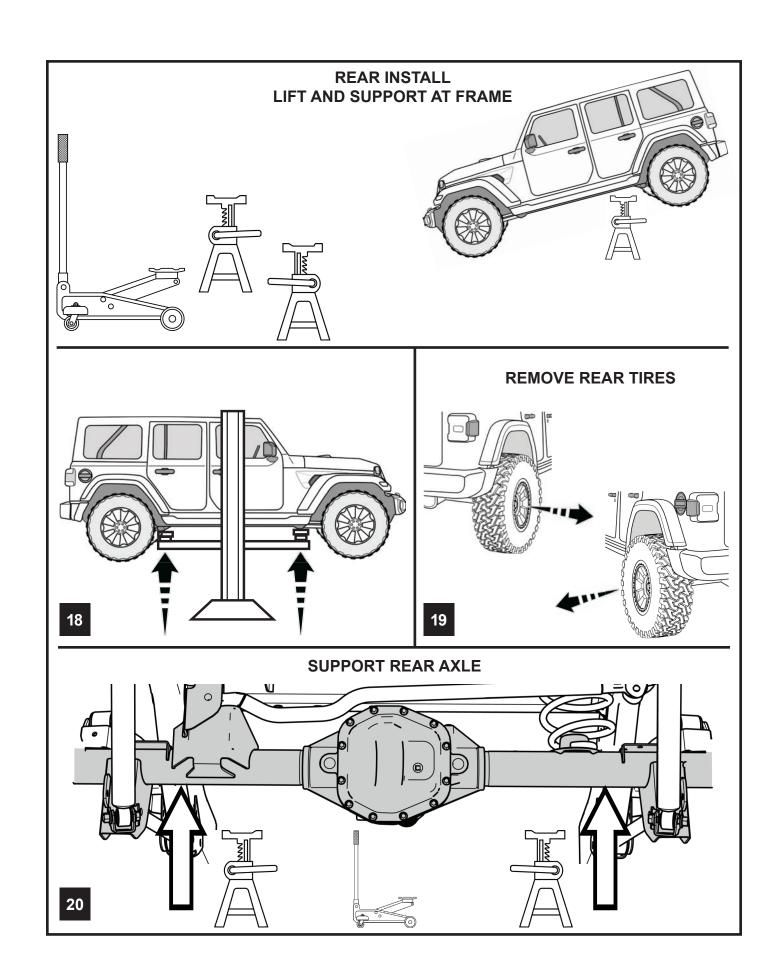


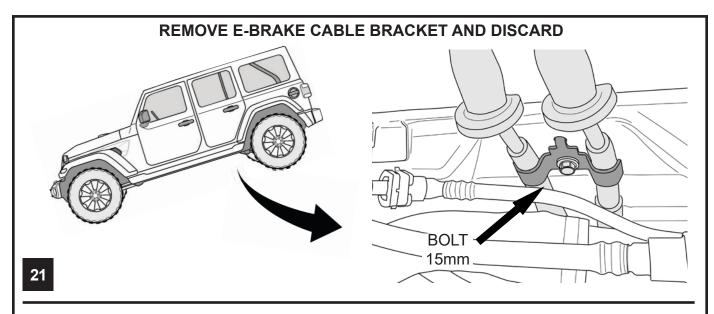
RECONNECT PLASTIC RETAINERS FROM WIRING OR HOSES AS NEEDED.

NOTE: DO NOT TIGHTEN THE CONTROL ARM
BOLTS UNTIL THE JEEP IS ON THE GROUND
WAIT TO INSTALL TRACK BAR UNTIL
THE END OF THE LIFT KIT INSTALL.

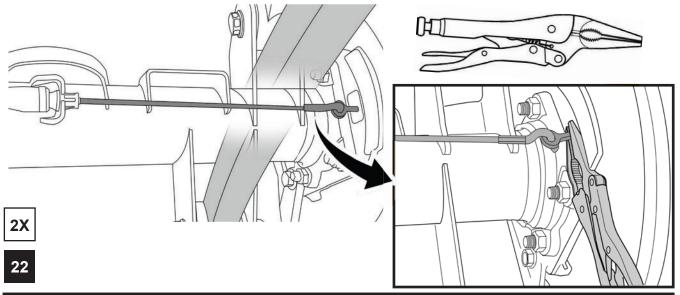
NOTE: IF ONLY FRONT OF JEEP WAS LIFTED, REINSTALL TIRES AND LOWER JEEP BACK TO THE GROUND BEFORE LIFTING THE REAR



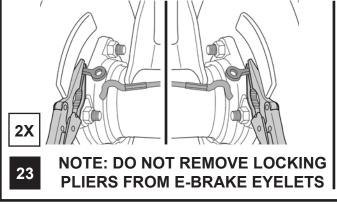


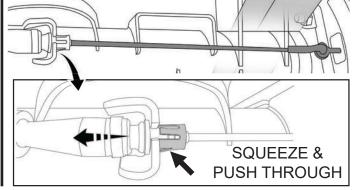


SET THE E-BRAKE AND CLAMP BOTH E-BRAKE EYELETS AGAINST BACKING PLATES WITH LOCKING PLIERS

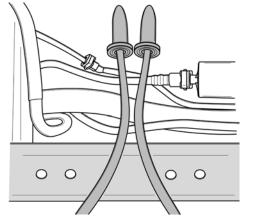


RELEASE E-BRAKE AND DISCONNECT CABLES FROM BOTH EYELETS AND AXLE BRACKETS

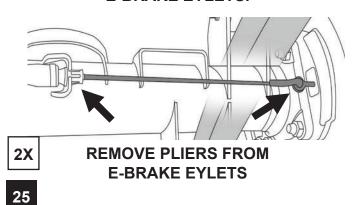




ROUTE E-BRAKE CABLES UNDER CROSS MEMBER AND FUEL LINES.



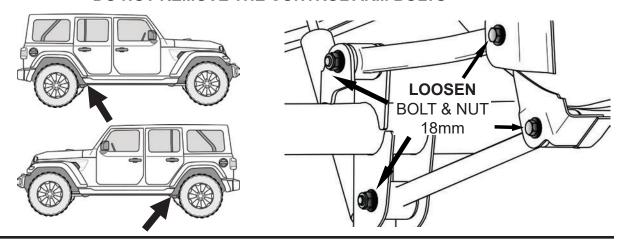
RECONNECT E-BRAKE CABLES TO THE AXLE BRACKETS AND THEN THE E-BRAKE EYLETS.



24

LOOSEN REAR CONTROL ARM BOLTS

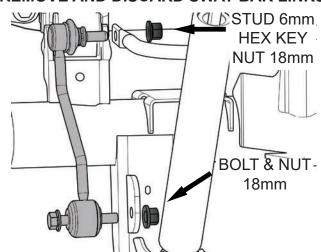
DO NOT REMOVE THE CONTROL ARM BOLTS



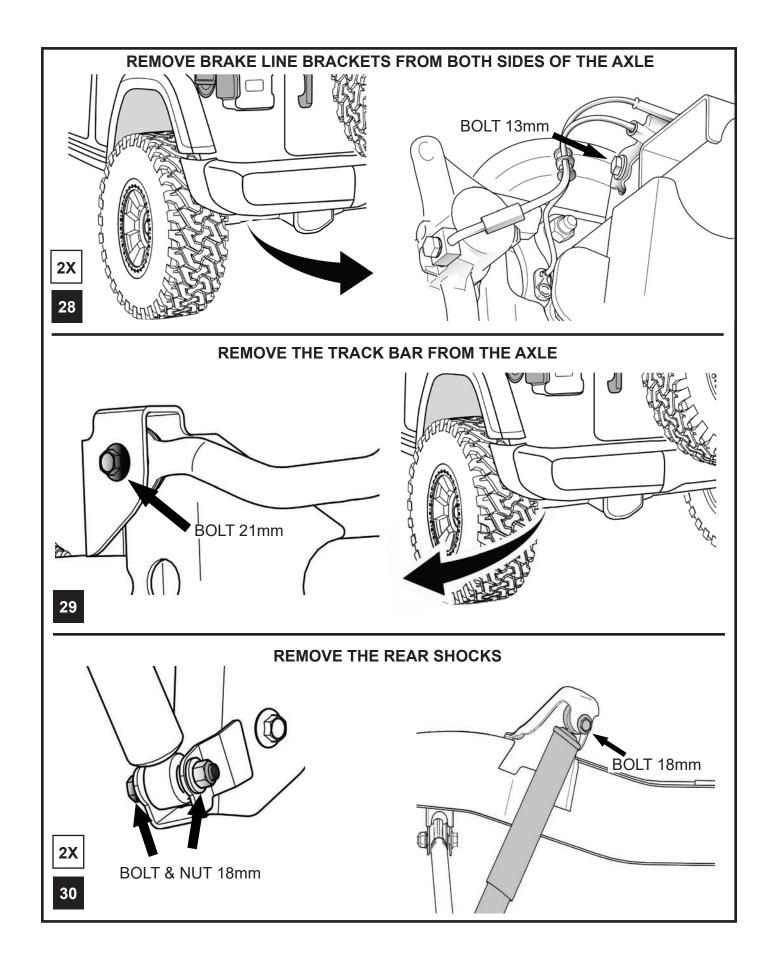
2X

26

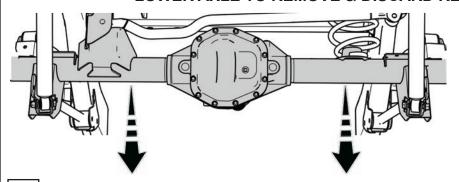
REMOVE AND DISCARD SWAY BAR LINKS



2X



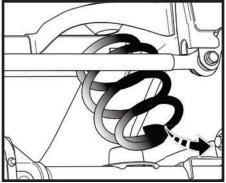
LOWER AXLE TO REMOVE & DISCARD REAR SPRINGS



2X

31

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

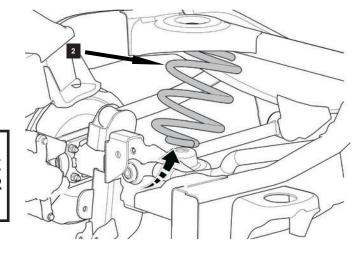


INSTALL NEW REAR SPRINGS

INSTALL THE DRIVERS SIDE SPRING FIRST

LEFT REAR SPRINGS 4 DOOR: 02-22-411-400-1 2 DOOR: 02-22-211-400-1

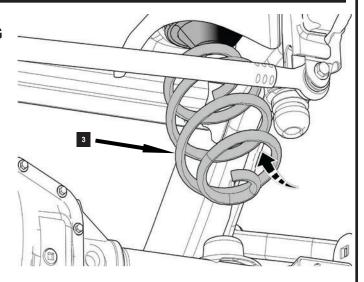
NOTE: PAY SPECIAL ATTENTION TO INSTALL THE CORRECT SPRING ON THE CORRECT SIDE OF THE JEEP. THE REAR SPRINGS ARE SIDE SPECIFIC.



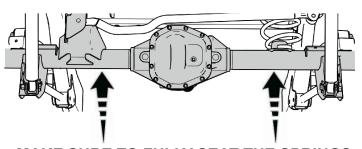
32

INSTALL THE PASSENGERS SIDE SPRING

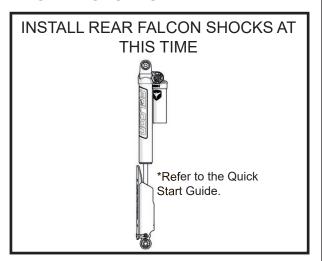
RIGHT REAR SPRINGS 4 DOOR: 02-22-421-400-1 2 DOOR: 02-22-221-400-1

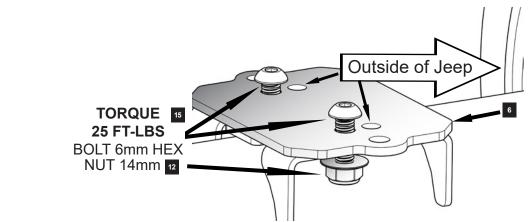


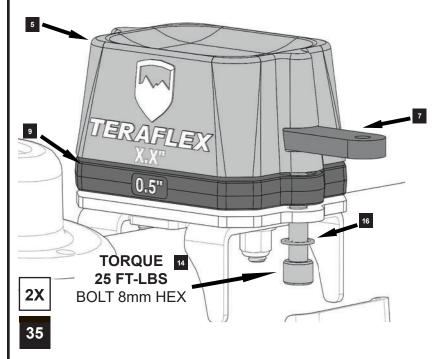
RAISE THE REAR AXLE AND INSTALL SHOCKS



MAKE SURE TO FULLY SEAT THE SPRINGS INTO THE UPPER SPRING ISOLATOR



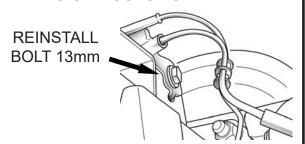






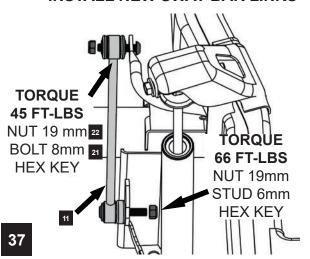


RECONNECT PLASTIC RETAINERS FROM WIRING OR HOSES AS NEEDED

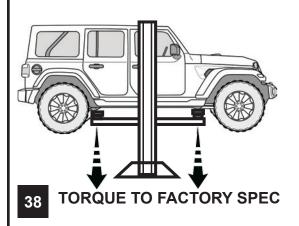


NOTE: DO NOT TIGHTEN THE CONTROL ARM BOLTS UNTIL THE JEEP IS ON THE GROUND

INSTALL NEW SWAY BAR LINKS

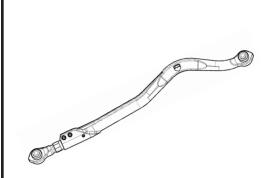


REINSTALL TIRES AND LOWER TO THE GROUND

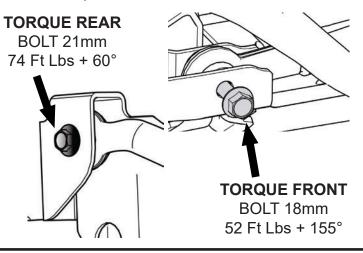


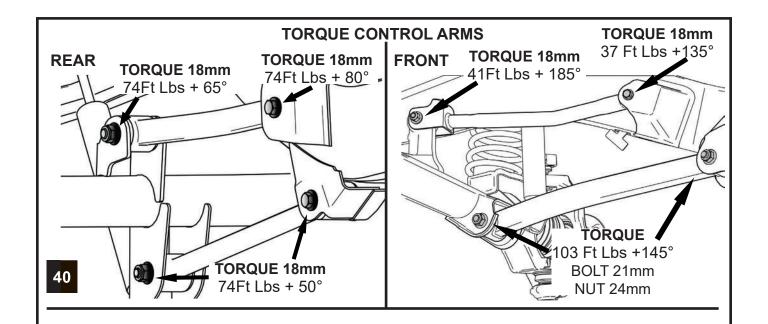


NOTE: IF INSTALLING TRACK BAR, REFER TO INSTRUCTIONS #999322



REINSTALL TRACK BARS AND TORQUE TO THE FOLLOWING SPECS





JL Tire Clearance Guide (FACTORY FENDERS)

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

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

JL Rubicon with Factory Fenders:

See Notes: Not all Tires Measure the Same

- 33" No Bump Stops
- · 35" 2" Front & 2" Rear Bump Stops





• 37" - 2.5" Front & 3" Rear Bump Stops





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.

In addition to the main 2" bump stop spacers, this system includes multiple 0.5" interlocking spacers that can be added to fine tune bump stop height to limit suspension up travel.

JL Sport/Sahara with Factory Fenders:

See Notes: Not all Tires Measure the Same

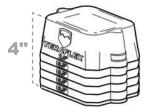
- 33" No Bump Stops
- 35" 3" Front & 2.5" Rear Bump Stops

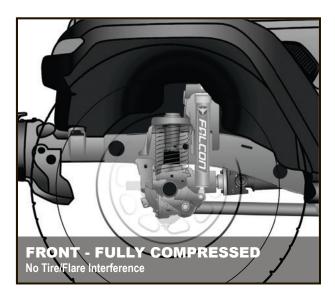




• 37" - 3.5" Front & 4" Rear Bump Stops

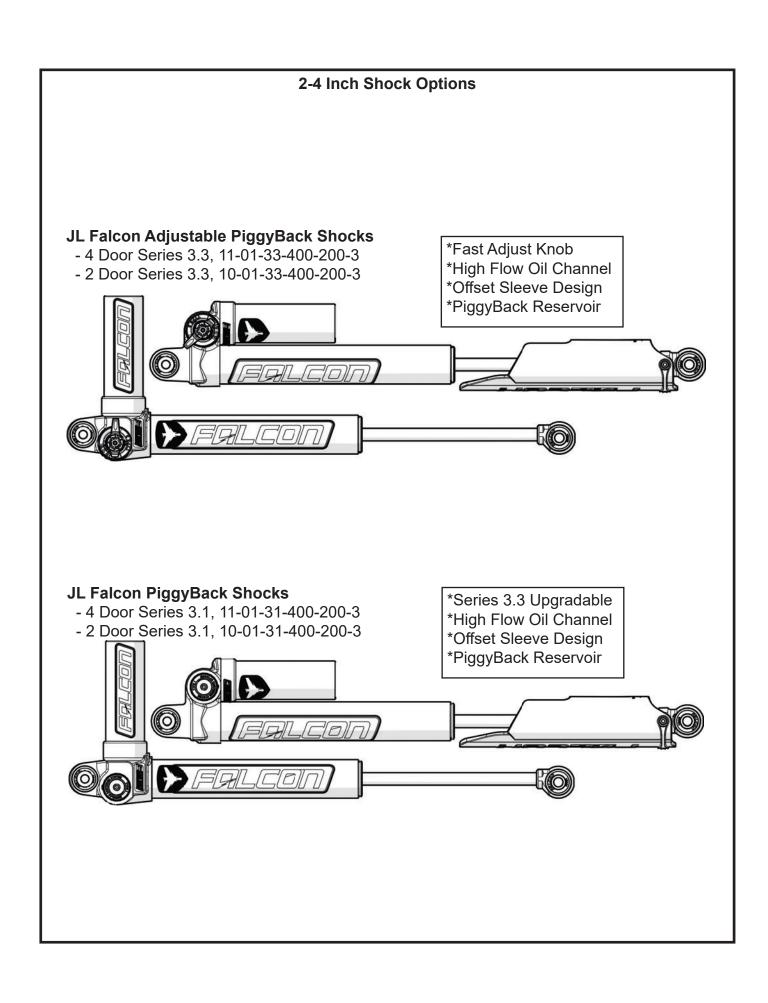








JL/JLU Strike Pad Shim (Front & Rear) 1959300





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