



Installation Manual
2020 Jeep Gladiator JT
3.5" Suspension Lift Kit
Part # 43205

zs06252020

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3.5" Suspension Lift kit

Part #	Description	Qty.
GLAD-CL01	Rear coil spring	2
JL4F-CL01	Front coil spring	2
44100-06	Front adjustable track bar	1
43205-01	Rear bump stop extension	2
S09177-01	Front driver lower control arm.	1
S09177-02	Front passenger lower control arm	1
M04001-BK-01	Front bump stop	2
S09177-05	Front sway bar end link	2
43205NB	Hardware bag	1
43205NB1	Poly and sleeve bag	1

Congratulations on your selection to purchase a Tuff Country EZ-Ride Suspension System. We at Tuff Country EZ-Ride Suspension are proud to offer a high quality product at the industries most competitive pricing. Thank you for your confidence in us and our product.

If you desire to return your vehicle to stock, it is the customers responsibility to save all stock hardware and components.

The Tuff Country EZ-Ride Suspension product safety label that is included in your kit box must be installed inside the cab in plain view of all occupants.

Special note: BEFORE installation begins, it is the customers/installers responsibility to make sure that all parts are on hand. If any parts are missing, please feel free to call one of our customer service representatives @ (801) 280-2777.

Important customer information:

Tuff Country EZ-Ride Suspension highly recommends that a qualified or a certified mechanic performs this installation.

It is the responsibility of the customer/installer to wear safety glasses at all times when performing this installation.

It is the customers/installers responsibility to read and understand all steps before installation begins. If you have any questions or concerns, please contact our technical department @ (801) 280-2777. Also, the OEM manual should be used as a reference guide.

This vehicles reaction and handling characteristics may differ from standard cars and/or trucks. Modifications to improve and/or enhance off road performance may raise the intended center of gravity. Extreme caution must be utilized when encountering driving conditions which may cause vehicle imbalance or loss of control. DRIVE SAFELY! Avoid abrupt maneuvers: such as sudden sharp turns which could cause a roll over, resulting in serious injury or death.

It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with this suspension system after the first 100 miles of installation. It is also the customers responsibility to do a complete re-torque after every 3000 miles or after every off road use.

After the original installation, Tuff Country EZ-Ride Suspension also recommends having the alignment checked every 6 months to ensure proper tracking, proper wear on tires and front end components. Tuff Country EZ-Ride Suspension takes no responsibility for abuse, improper installation or improper suspension maintenance. Usually OE alignment specs are ideal but on these particular kits we like to see the Castor a little bit lower than specs. It will help with tire wear and drivability.

Limited lifetime warranty

Notice to all Tuff Country EZ-Ride Suspension customers: It is your responsibility to keep your original sales receipt! If failure should occur on any Tuff Country EZ-Ride Suspension component, your original sales receipt must accompany the warranted unit to receive warranty. Warranty will be void if the customer can not provide the original sales receipt. Do not install a body lift in conjunction with a suspension system. If a body lift is used in conjunction with any Tuff Country EZ-Ride Suspension product, your Tuff

Country EZ-Ride Suspension WARRANTY WILL BE VOID. Tuff Country Inc. ("Tuff Country") suspension products are warranted to be free from defects in material and workmanship for life if purchased, installed and maintained on a non-commercial vehicle; otherwise, for a period of twelve (12) months, from the date of purchase and installation on a commercial vehicle, or twelve thousand (12,000) miles (which ever occurs first). Tuff Country does not warrant or make any representations concerning Tuff Country Products when not installed and used strictly in accordance with the manufacturer's instructions for such installation and operation and accordance with good installation and maintenance practices of the automotive industry. This warranty does not apply to the cosmetic finish of Tuff Country products nor to Tuff Country products which have been altered, improperly installed, maintained, used or repaired, or damaged by accident, negligence, misuse or racing. ("Racing is used in its broadest sense, and, for example, without regards to formalities in relation to prizes, competition, etc.) This warranty is void if the product is removed from the original vehicle and re-installed on that or any other vehicle. This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title. All implied warranties are limited to the duration of this warranty. The remedies set forth in this warranty are exclusive. This warranty excludes all labor charges or other incidental or consequential damages. Any part or product returned for warranty claim must be returned through the dealer of the distributor from whom it was purchased. Tuff Country reserves the right to examine all parts returned to it for warranty claim to determine whether or not any such part has failed because of defect in material or workmanship. The obligation of Tuff Country under this warranty shall be limited to repairing, replacing or crediting, at its option, any part or product found to be so defective. Regardless of whether any part is repaired, replaced or credited under this warranty, shipping and/or transportation charges on the return of such product must be prepaid by the customer under this warranty. Important information that needs to be read before installation begins:

This Suspension kit comes with (1) installation manual and some post installation procedure literature and it is the installers responsibility to make sure that the customer receives the post installation procedure literature. If a customer would like a copy of the installation manual, please have them visit our website at www.tuffcountry.com. Have them go to the customer care section to download these instructions. If you have any questions, please feel free to call us at (801) 280-2777.

Before installation begins, Tuff Country EZ-Ride Suspension highly recommends that the installer performs a test drive on the vehicle. During the test drive, check to see if there are any uncommon sounds or vibrations. If uncommon sounds or vibrations occur on the test drive, uncommon sounds or vibrations will be enhanced once the suspension system has been installed. Tuff Country EZ-Ride Suspension highly recommends notifying the customer prior to installation to inform the customer of these issues if they exist.

Tuff Country recommends using loctite on all new and stock hardware associated with the installation of this suspension system.

New longer shocks are required once part # 43205 has been installed on your vehicle and the shocks need to be ordered as a separate part #. If you have not already ordered your shocks, please feel free to contact Tuff Country or your local Tuff Country dealer and order your shocks. Tuff Country recommends installing a 28" fully extended shock in the front. Tuff Country recommends installing a 26" fully extended shock in the rear.

Tuff Country recommends a 35"- 37" sized tire once part # 43205 has been installed. 37" tires can require trimming if used in extreme offroad situations. If larger than a 37" tire is installed on your vehicle in conjunction with part # 43205, Tuff Country assumes no liability and the warranty will be VOID. Due to different types of tread patterns, some aggressive tires in this size recommendation may require slight trimming of inner fender plastic. **Our tire and wheel fitments are only a guideline. Different production times or tolerances will vary and this size should only be used as a starting point. Each vehicle is different and will need to be treated as such.**

Recommended tools selection:

- Torque wrench
- Standard socket set
- Standard wrench set
- Metric socket set
- Metric wrench set
- Tape measure
- Hydraulic floor jacks
- Measuring Caliper
- Drill & Assorted drill bits

Poly and Sleeve Bag 43205NB1 includes:

Description	Quantity
M09177-BK-01 Control arm bushing's	8
M02004-BK-01 Sway bar end link bushings	4
S10026 .680" x .500" x 1.500" sleeve	4
S10325 Shock sleeve	4
S10331 .875" x .630" x 2.620"	4
S10336 Heim joint mis-alignment sleeve	4

Hardware Bag 43205NB includes:

Description	Quantity
5161B 5/16" x 1" bolt	6
14WA 1/4" uss flat washer	8
516UN 5/16 unitorque nut	2
M8-1.25FLN 8MM x 1.25 flange nut	2
516FLN 5/16" flang nut	4
123B 1/2" x 3" bolt	2
716WA 7/16" uss flat washer	4
12UN 1/2" unitorque nut	2
JM12T Track bar heim joint	2
SJNR12 Heim joint jam nut	2

Please follow these instructions carefully:

Before installation begins, measure from the center of the wheel hub, to the bottom of the fender well, and record measurements below.

Pre-installation measurements:

Driver side front: _____
 Passenger side front: _____
 Driver side rear: _____
 Passenger side rear: _____

At the end of the installation take the same measurements and compare to the pre-installation measurements.

Post-installation measurements:

Driver side front: _____
 Passenger side front: _____
 Driver side rear: _____
 Passenger side rear: _____

Front end installation:

1. To begin installation, block the rear tires of the vehicle so that the vehicle is stable and can't roll. Safely lift the front of the vehicle and support the vehicle with a pair of jack stands. Place a jack stand on both the driver and the passenger side frame rail. Next, remove the front wheels and tires from both sides.

2. Support the entire front axle with at least 2 hydraulic floor jacks, making sure it has room to raise and lower the front axle

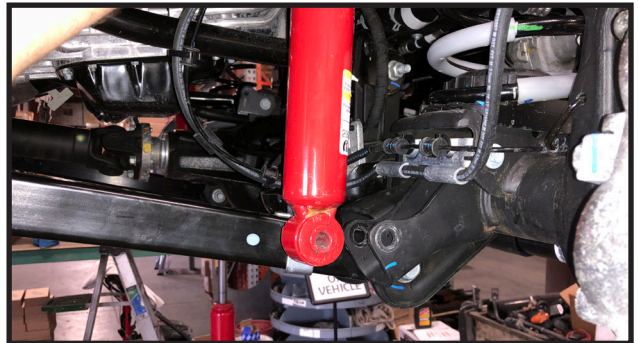
3. Remove the bolt from the front track bar where it attaches to the front axle bracket. Save the hardware



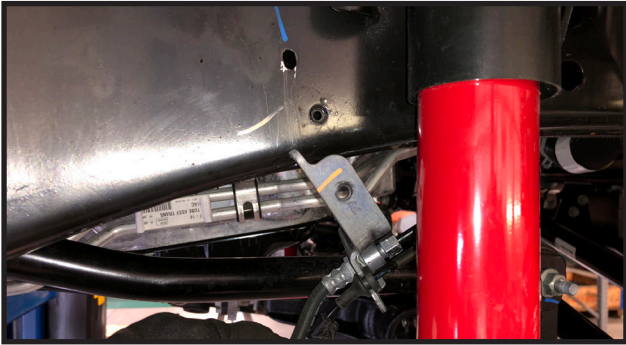
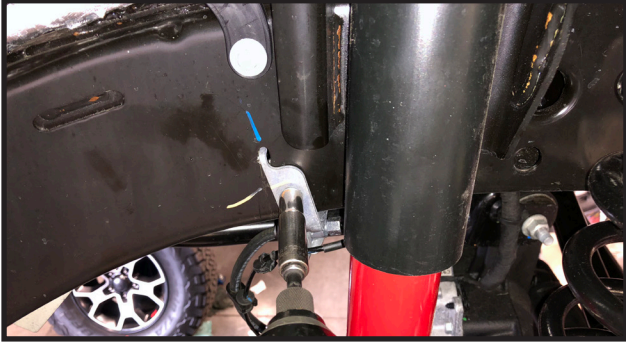
4. Remove the bolt from the track bar where it attaches to the driver side frame bracket. Save the hardware and remove the entire front track bar.



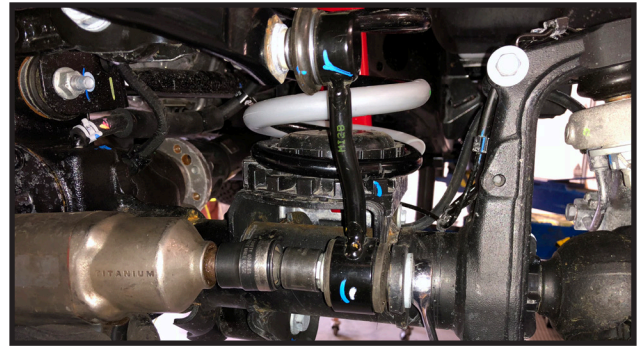
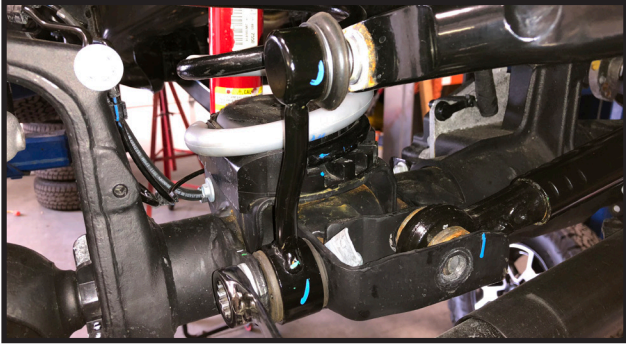
5. Remove both of the front shock absorbers from the vehicle. Save all of the hardware. **Special note: these photos only show removing the lower shock hardware, but you will need to remove the shock completely.**



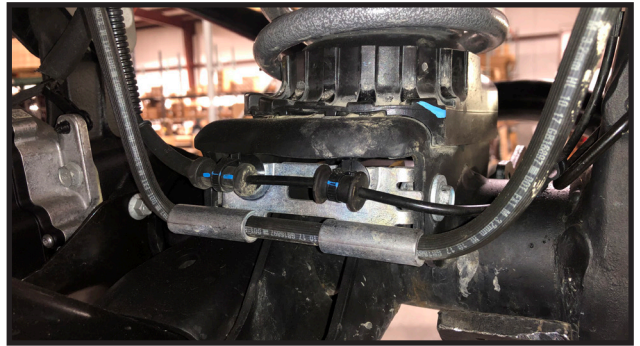
6. Locate and remove the front brake hose mounting brackets from the driver and passenger side frame rails. Save hardware.



7. Remove both front sway bar end links completely. Save the mounting hardware.

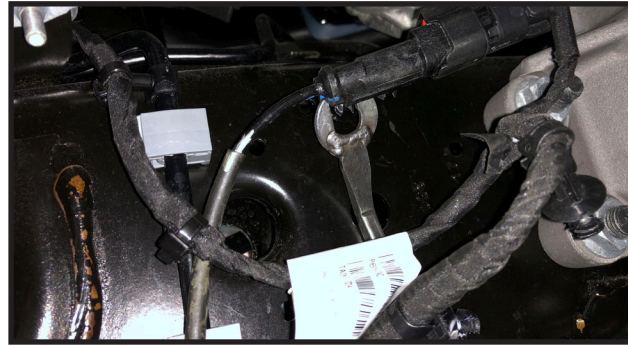


8. Working on the passenger side, locate and remove the brake hose bracket that is attached to the lower coil spring perch. Save hardware



9. To obtain slack in the wire harnesses that control the front axle, you will need to pop out some plastic plugs. these are located on both upper control arms where they mount to the axle, and also up on the inner frame rail if you follow the wires up. Take special care to not damage any wires or plastic plugs as they will get re-installed later on.

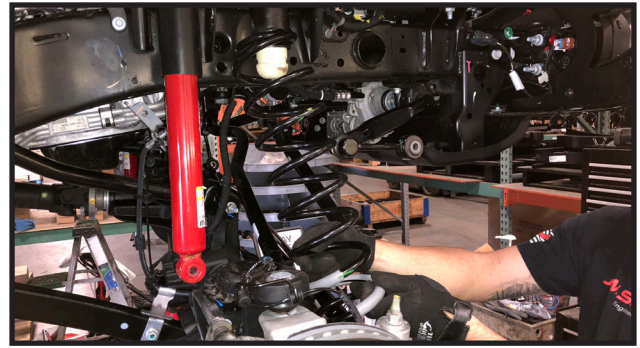




10. Located beneath the front drive shaft, there is a cross-member that is bolted to the bottom of the frame rail on each side, remove the bolts that are holding it to the frame rail and let the crossmember hang from its skid plate.



11. With all the slack now obtained in the wire's and brake hoses, carefully lower down the front axle and remove the front coil springs. **Take special care to not over extend any wires or brake hoses.**



12. Working on the driver side, remove the lower control arms from the vehicle. Save the hardware



13. Locate the driver lower control arm. Part # S09177-01 and the passenger lower control arm Part # S09177-02. Also locate control arm bushings and sleeves Part # MO9177-BK-01 and Part # S10331. Grease bushings and sleeves and install them into the new control arms. Install Lower control arms. **Torque bolts to 125 ft lbs.**





14. Locate (2) of the 516B, (4) 14WA, (2) 516UN. Install the OE brake line bracket on to the brake line mount on the new control arm.

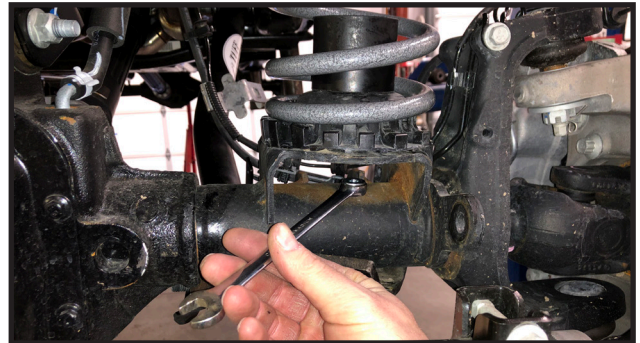


15. Locate the new front bump stops part # M04001-BK-01. Also locate (2) M8-1.25FLN from hardware bag 43205NB.

16. Locate the new front coil springs part # JL4F-CL01. Hold the new bump stop in to the bottom of the coils springs and install them into the vehicle. Make sure the lower part of the coils spring seats into the spring tower properly



17. Install the 8MM flang nut and torque to **25 ft lbs.**

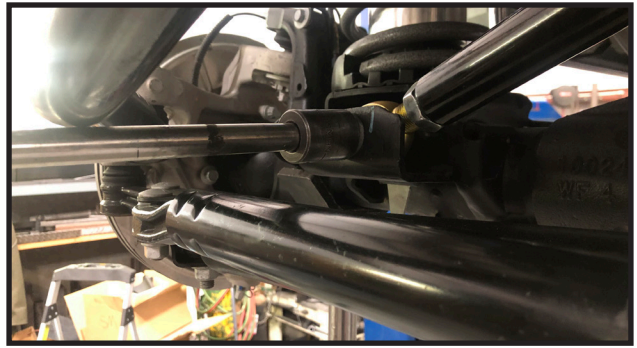


18. Locate the new front track bar, part # 44100-06. Also locate (2) JM12T, (2) SJNR12, and (4) S10336. Thread the new heim joints into each end of the track bar doing your best to turn them both in equal amounts. Measuring from the center point of each heim joint, adjust the length of the assembled track bar to be at 34". **This measurement is a starting point and in most situations will be what it will stay at, however, due to inconsistencies in vehicle manufacturing, the length may have to be fine tuned on an alignment machine.**

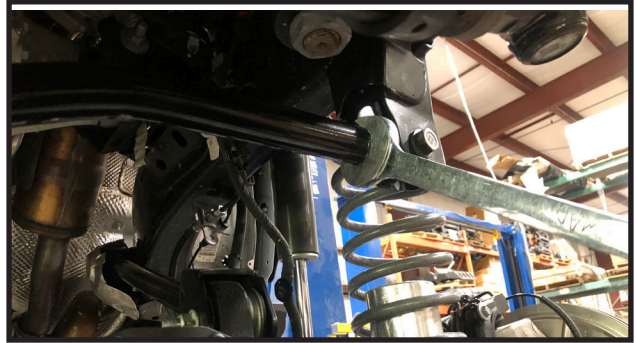




19. Install the S10336 mis-alignment sleeves into each heim joint and install the new track bar in the vehicle using the OE mounting hardware. Torque bolts to **125 ft lbs.** **Special note, if the track bar does not line up to the mounting holes right away, you may need to pry the axle side to side to get it aligned.**



20. With the front track bar installed, tilt it slightly towards the front bumper and tighten the 2 jam nuts on each heim joint



21. Carefully raise the front axle up so that you can re-install brake hose brackets and wire clips.

22. Re install the passenger side brake hose bracket on the coil spring perch that was removed in step # 8.



23. Re-install the wire harness plugs/clips to the upper control arms and the frame rails.



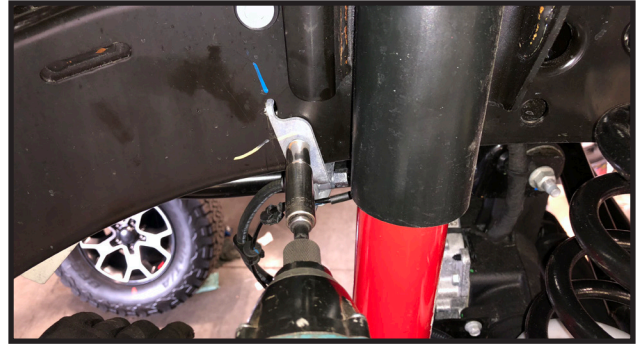
24. Install new front shock absorbers using the OE hardware. **Special note: if your new front shocks do not have the proper upper bushings and sleeves already installed in them, make sure to use the new S10325 shock spacer sleeves from hardware bag 43205NB1**



25. Re-install the front crossmember bolts that were loosened and/or removed in step # 11.



26. Re-install the brake hose brackets to the driver and passenger side frame rails using the OE hardware.



27. Locate (2) of part # S09177-05 Sway bar end link, (4) of part # M02004-BK-01 end link bushings, and (4) of part # S10026 crush sleeves. Install bushing and sleeves into endlinks.



28. Locate (2) 1/2" x 3" bolts, (4) 7/16" flat washers, and (2) 1/2" nuts. Locate the OE lower end link hardware. Install sway bar endlinks. Torque bolts to **65 ft lbs.**



29. Re-install the tires and wheels and torque the lug nuts to the wheel manufacturer's specifications.

Carefully lower the vehicle back down to the ground and remove the jacks.

Front end Installation Complete!

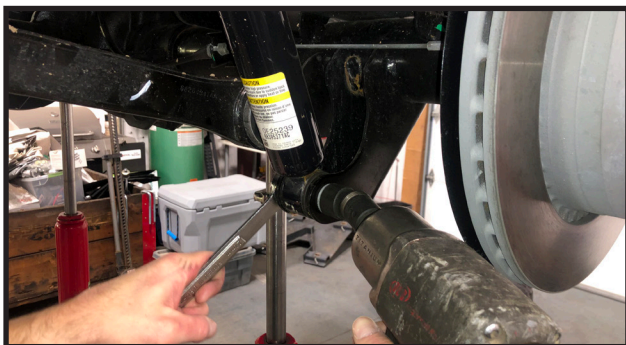
Rear end Installation:

30. To begin installation, block the front tires of the vehicle so that the vehicle is stable and can't roll. Safely lift the rear of the vehicle and support the vehicle with a pair of jack stands. Place a jack stand on both the driver and the passenger side frame rail. Next, remove the rear wheels and tires from both sides.

31. Remove the track bar bolt that is attaching it to the rear axle bracket.



32. Remove both rear shock absorbers, and save the mounting hardware.



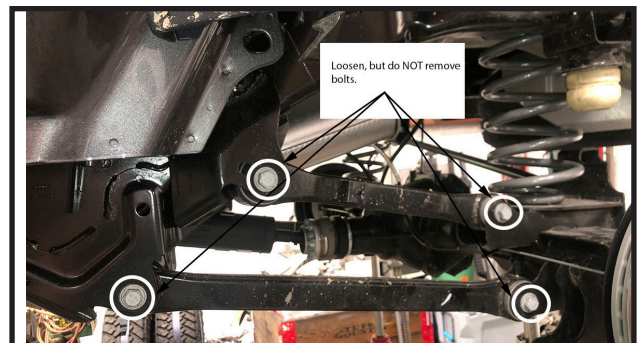
33. Located on the outside of the frame rails, are the brake hose brackets, you will need to remove the bolts that are attaching them to the frame. Save the bolts



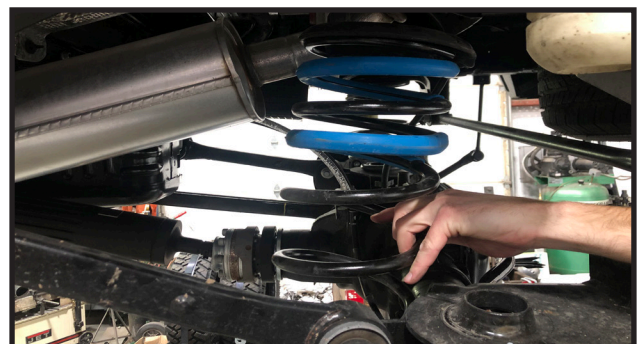
34. Remove the bolt from the upper sway bar end link. save hardware.



35. Loosen but dont remove upper and lower control arm bolts to help the axle to drop.



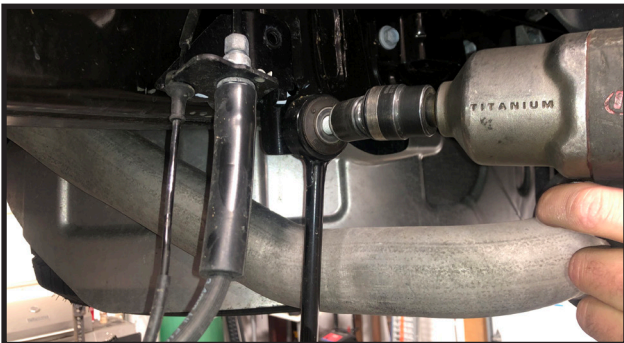
36. With all the gained slack in the brake hoses, and sway bar, carefully lower the rear axle down enough to remove both rear coil springs. Save the upper rubber coil spring isolator.



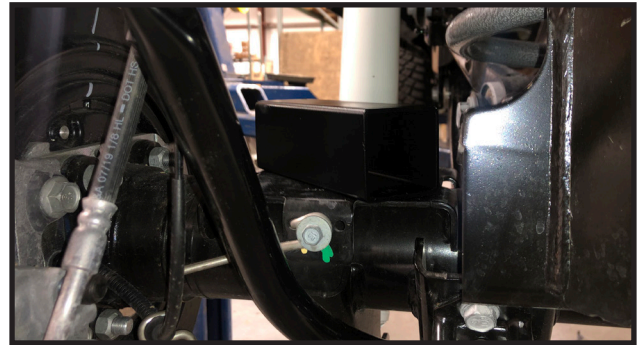
37. Locate (2) of part # GLAD-CL01, Place The OE top spring isolator on top of new coil. Re install new coil springs.



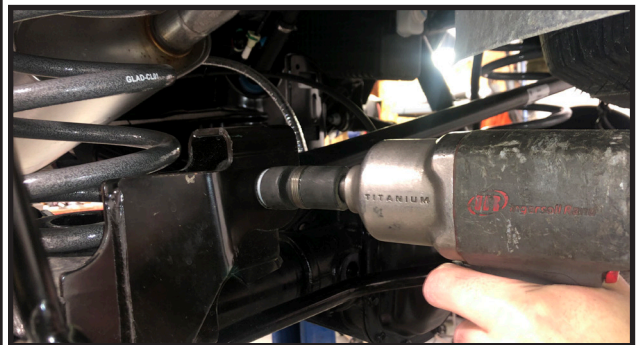
38. Install new rear shocks. Reconnect sway bar endlinks and brake line brackets.



39. Locate (2) of part # 43205-01 rear bump stop extension. (4) 5/16" x 1" bolts, (4) 1/4" flat washers, And (4) 5/16" flang nuts. Install bump stop extension on the rear axle bump stop pad.



40. Re-install the rear track bar into the pocket using the the OE hardware. **Torque to 125 ft lbs. Special note: You may need to pry the rear axel side to side to line this back up.**



41. Re-install the tires and wheels and torque the lug nuts according to the wheel manufacture's specs. Carefully lower the vehicle back down to the ground.

Installation Complete!

Check and double check to make sure that all steps were performed properly. After the completion of this install, Tuff Country Recommends taking the vehicle in for a complete front end alignment.

Tuff Country EZ-Ride Suspension recommends that a complete re-torque is done on all bolts associated with this suspension system. It is the customers responsibility to make sure that a re-torque is performed on all hardware associated with the system after the first 100 miles of installion. It is also the Customers responsibility to do a complete re-torque after every 3,000 miles or after every off road use. Neglect of following these steps could cause brackets to come loose and cause serious damage to the suspension system and to the vehicle.