



**INSTALLATION INSTRUCTIONS FOR 2008-2022  
TOYOTA SEQUOIA PLATINUM 2&4 WD and 2007-2021 Toyota Tundra  
2" LEVLING KIT  
PART #52042**

**WARNING!!! READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE PROCEEDING. MAKE SURE THAT YOU HAVE ALL TOOLS AND PARTS BEFORE BEGINNING THE INSTALLATION.**

**SPECIAL TOOLS REQUIRED:**

**FACTORY CERTIFIED SPRING COMPRESSOR  
BALL JOINT SEPARATING TOOL**

**TUFF COUNTRY EZ-RIDE SUSPENSION RECOMMENDS THAT RED LOCTITE BE USED ON ALL FASTENERS UNLESS OTHERWISE NOTED. IT IS ALSO RECOMMENDED TO HAVE THE FRONT END ALIGNMENT CHECKED AFTER INSTALLATION.**

**KIT CONTENTS INCLUDE:**

- INSTRUCTIONS INCLUDING PARTS LIST
- WARRANTY
- DIFFERENTIAL SPACER KIT

**PARTS LIST INCLUDED IN KIT**

<b><u>FRONT</u></b>	<b><u>QTY.</u></b>
PRELOAD SPACER	2

**TORQUE SPECIFICATIONS**

8MM & 5/16 FASTENERS	17 FT. LBS.
10MM FASTENERS	30 FT. LBS.
12MM FASTENERS	55 FT. LBS.
9/16" U-BOLT	75 FT. LBS.
LUG NUTS	140 FT. LBS.
UPPER BALL JOINT	81 FT. LBS.

## FRONT OF VEHICLE

1. Park your vehicle on a level concrete surface.
2. Center and lock the steering wheel.
3. Block the rear wheels of the vehicle to prevent vehicle from moving in either direction.
4. Jack up the vehicle from the correct lift points. See (Fig. A.)
5. Support the vehicle with jack stands from the proper points. See (Fig. A.)
6. Remove the front wheels.
7. Mark the strut top plate, coil and lower shock plate with a paint pen in a vertical line so you know the order it goes back together in. Also mark it with a D or P for driver or passenger side. See (Fig. B.)
8. Remove the two allen head bolts that retain the electronic shock adjuster at the top of the strut. Make note that the center of this adjuster has a keyway and has to line back up with the adjusting rod in the center of your shock shaft. See (Fig. C.)
9. Remove the bracket that retained the electronic adjuster, make sure you do not remove the lower center nut that is under the silver bracket holding the shock into the top plate. Only remove the nut retaining the silver bracket. See (Fig. D.)
10. Remove the upper coil shock nuts (14mm wrench.) See (Fig. E.)
11. Remove the bracket that holds the brake lines to the upper control arm. (10mm wrench.) See (Fig. F.)
12. Remove the bracket that holds the brake lines to the steering knuckle. (12mm socket.) See (Fig. G.)
13. Remove the bolt from the sway bar end. (19mm socket.) See (Fig. H.)
14. Remove the lower coil shock nut (22mm socket.) and bolt (22mm wrench.) See (Fig. H.)
15. Remove the nut from the outer tie rod end (24mm socket) and separate with proper tool. See (Fig. I.)
16. Remove the nut from the upper ball joint (19mm socket) and separate the upper ball joint using a ball joint separating tool. See (Fig. J.)
17. Remove strut from your Sequoia.

**NOTE: AT THIS TIME, IF YOU DO NOT HAVE A SUITABLE SPRING COMPRESSOR, IT IS HIGHLY ADVISED TO TAKE THE STRUT TO A QUALIFIED SERVICE CENTER.**

18. Count the threads exposed on the shock shaft above the nut, you will need this exact number after the preload spacers are installed. See (Fig. K.)
19. Compress coil shock assembly and remove the nut (17mm socket) on the top of the shock shaft.
20. Release the compressor.
21. Remove the spring top plate from the coil shock.
22. Remove and **discard** the rubber isolator that sits between the spring and the top plate.
23. Install the PRELOAD SPACER between the spring and the top plate with the small diameter facing toward the spring. See (Fig. G.) Compress the shock assembly, making sure you center the shock shaft through the spring top plate. Replace the grommet, washer, and nut on the top of the shock shaft, and tighten until you have the same number of threads showing that you had when you counted them in step 18.
24. Re-install the coil shock assembly by reversing the removal procedure.
25. Re-install the upper ball joint assembly. Torque to 81 ft. lbs.
26. Re-install the line brackets to the upper control arm and the steering knuckle.
27. Re-install the tie rod end.
28. Re-install anti-sway bar.

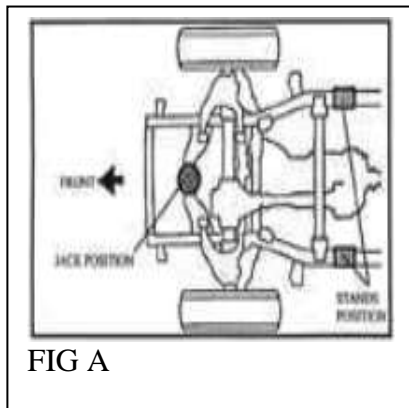


FIG A

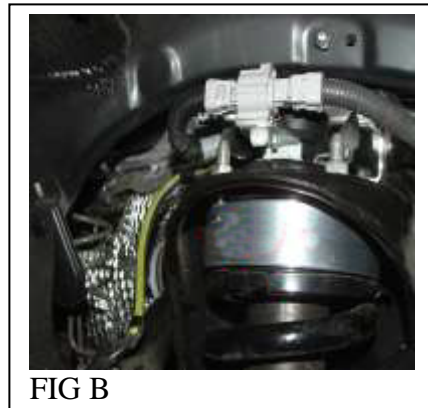


FIG B



FIG C



FIG D



FIG E



FIG F



FIG G



FIG H



FIG I



FIG J



FIG K



FIG L

## REAR OF VEHICLE

1. Place your vehicle on a level concrete surface.
2. Block front wheels to prevent vehicle from moving in either direction.
3. Make sure parking brake is off.
4. Locate the air bag adjusting rod in between the rear lower control arm; this rod will have a nut that is tightened down on a slide. Loosen the nut and push adjusting rod up towards the frame until it cannot go any further, and then tighten the nut down. Do this on both sides and you will achieve 1.5 to 2" of lift in the rear.
5. Have your vehicle aligned both in the front and rear.



## **Important Installation Notes:**

- Manufacturing tolerances do create certain variations that we cannot fully account for. At times you may need to use a punch, or pry bar to get holes to line up. Also you may need to slightly enlarge a hole to create a proper alignment. These are all normal situations.
- Altering your suspension may change the way your vehicle handles. Care must be taken to operate your vehicle safely.
- Adding large wheels and tires, will change how your suspension operates. It may put extra strain on certain components causing them to wear sooner than normal.
- While every effort is made to design our kits to work within factory geometry, there are situations where additional alignment tools like adjustable or replacement components may be needed. This is normal.
- It is possible when changing the driveline angles that a vibration may occur, and require an adjustment to repair this situation.
- Other modifications may be needed due to optional equipment on the vehicle or other prior modifications that have been made.
- All fasteners should be checked and retightened after 500 miles. After the initial recheck, they should be checked and tightened as needed with every following service.
- Once the installation is complete a thorough road test should be performed to verify proper clearance of all items.
- Tuff Country Ez-ride Suspension kits are not designed for race applications.
- Altering the suspension on your vehicle may change the characteristics of some systems such as: fuel economy, transmission shift points, etc.
- While Tuff Country Ez-ride systems are designed to work within all factory specifications and tolerances, there are some situations where exceeding the capability of the vehicle such as load capacity or speed will result in some undesirable results. If you overload your vehicle it will not handle correctly. If you drive or turn with excessive speed your vehicle will handle differently and some onboard vehicle systems may detect this and take appropriate action.
- Our tire and wheel fitments are only a guideline. Different production times or tolerances will vary and this sizes should only be used as a starting point. Each vehicle is different and will need to be treated as such.
- Our lift heights can vary slightly based on manufacturing tolerances. Some vehicles will exhibit slightly different amounts of lift heights and different final heights. Every vehicle is not identical and every vehicle will not be perfectly the same at all four corners.
- Once your vehicle is lifted components may wear faster, this is normal. A lifted vehicle is exerting more stress on most components and therefor causing them to wear faster.
- After altering the height of your vehicle, you should aim the headlights for proper coverage.
- The use of Loctite on fasteners is highly recommended.

## 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 Ez-ride 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 Ez-ride Suspension does not warrant or make any representations concerning our 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 Ez-ride Suspension products nor to Tuff Country Ez-ride Suspension 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 Ez-ride Suspension 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 Ez-ride Suspension 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.buytuffcountry.com](http://www.buytuffcountry.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 Ez-ride Suspension recommends using loctite on all new and OE hardware associated with the installation of this suspension system.