



**INSTALLATION INSTRUCTIONS FOR 2008
TOYOTA SEQUOIA 4WD ONLY
2 1/2" SUSPENSION LIFT KIT
PART NUMBER 441 (Patent Pending)**

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**
- CLAM TYPE SPRING COMPRESSOR**

REVTEK INDUSTRIES 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
- PRODUCT SAFETY LABEL (ORANGE)
- WINDOW DECAL
- WARRANTY
- DIFFERENTIAL SPACER KIT

PARTS LIST INCLUDED IN KIT

<u>FRONT</u>	<u>PART #</u>	<u>QTY.</u>
PRELOAD SPACER	PLS-6	2
TOP OUT EXTENDER	TOS-8	8
SKID PLATE SPACER	TOS-8	3

REAR PARTS

LIFT SPACERS (POLY)	LS- QR175	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.

DIFFERENTIAL SPACER KIT

	<u>PART #</u>	<u>QTY.</u>
DIFFERENTIAL DROP SPACERS	RTDDS-1	2
½ - 13 X 6 BOLT	R126Z	2
½ -FLAT WASHER	R12FWZ	2
½ - 13 FLANGE NUT	R12FLZ	2

REVTEK INDUSTRIES

Sequoia Installation Instructions

FRONT OF VEHICLE

1. Park your Sequoia 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. Remove the bracket that holds the brake lines to the upper control arm. (10mm wrench.) See (Fig. B.)
8. Remove the bracket that holds the brake lines to the steering knuckle. (12mm socket.) See (Fig. B1.)
9. Remove the nut from the upper ball joint (19mm socket) and separate the upper ball joint using a ball joint separating tool. See (Fig. C.)
10. Remove the upper coil shock nuts (14mm wrench.) See (Fig. D.)
11. Remove the lower coil shock nut (22mm socket.) and bolt (22mm wrench.) See (Fig. E.)
12. Remove the bolt from the sway bar end. (19mm socket.) See (Fig. E.)
13. Remove the nut from the tie rod end (24mm socket) and separate with proper tool. See (Fig. E1.)
14. Remove strut from your Sequoia.

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

15. 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. F.)
16. Compress coil shock assembly and remove the nut (17mm socket) on the top of the shock shaft.
17. Release the compressor.
18. Remove the spring top plate from the coil shock.
19. Remove and **discard** the rubber isolator that sits between the spring and the top plate.
20. Install the PRELOAD SPACER P/N - PLS-6 between the spring and the top plate with the small diameter facing toward the spring and the Revtek logo facing out. 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 15.
21. Install the top out spacers (P/N TOS-8) over the studs. See (Fig. G1.)
22. Re-install the coil shock assembly by reversing the removal procedure.
23. When properly installed, the Revtek logo should face outward. See (Fig. H.)
24. Re-install the upper ball joint assembly. Torque to 81 ft. lbs.
25. Re-install the line brackets to the upper control arm and the steering knuckle.
26. Re-install the tie rod end.
27. Re-install anti-sway bar.
28. Proceed to the differential drop and skid plate instructions if you are working on a 4x4.

REVTEK INDUSTRIES Sequoia Installation Instructions

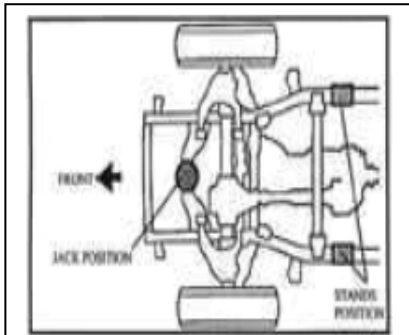


FIG A

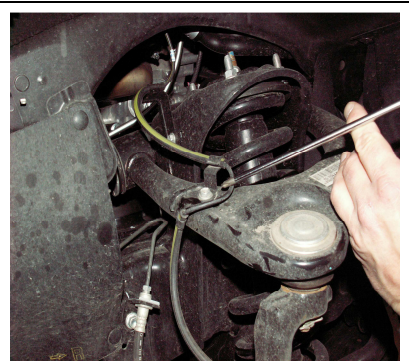


FIG B



FIG B1

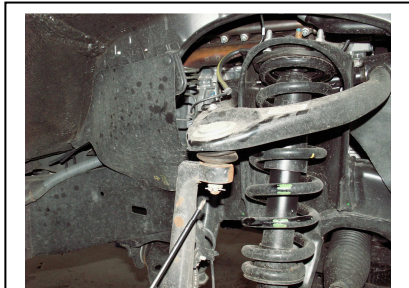


FIG C



FIG D

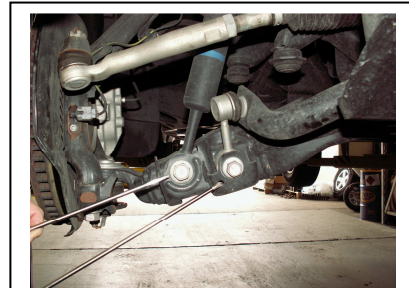


FIG E

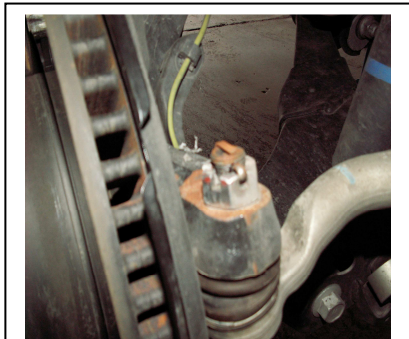


FIG E1

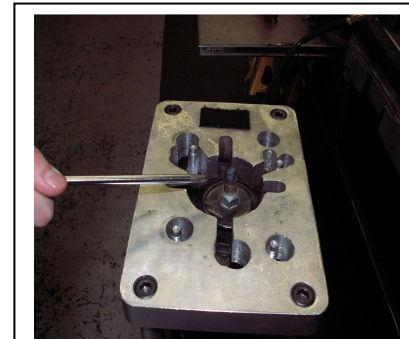


FIG F



FIG G



FIG G1

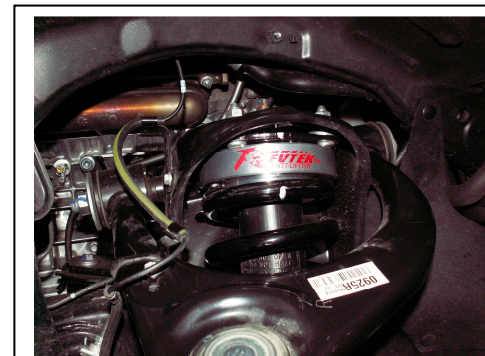


FIG H

REVTEK INDUSTRIES

Sequoia Installation Instructions

DIFFERENTIAL DROP SPACER KIT

1. Remove skid plate under the front of the vehicle (12mm socket); save the OEM bolts.
2. Remove the factory bolts holding the front of the differential to the cross member (19mm socket); save the OEM cup washers on the bolt for step 3.
3. Install Revtek spacers RTDDS-1 between the two front differential supports and front cross-member. Fasten to cross-member using new ½” x 6” long bolts, nuts, and washers. Be sure you use the provided flat washers and the OEM cup washers on the bolt side. You will use the provided flange nuts on the top with no washers. This will allow you to tighten the assembly without the need for a wrench in the confined space on the cross member (19mm socket.) See (Fig J.)

SKID PLATE

4. Install the skid plate in the reverse operation of removal with the exception of installing the (3) spacers on the rear of the skid plate between the frame and the skid plate. See (Fig. K.)
5. Torque skid plate bolts to specs.

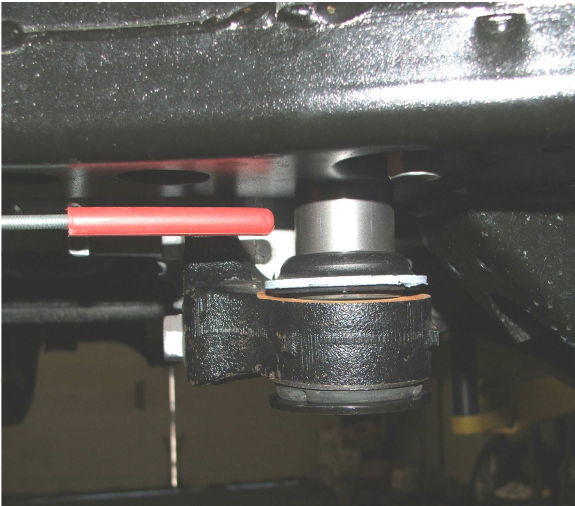


FIG J



FIG K

REVTEK INDUSTRIES, LLC 1-503-659-1650
4288 SE INTERNATIONAL WAY, PORTLAND OR 97222

REVTEK INDUSTRIES

Sequoia Installation Instructions

REAR OF VEHICLE

1. Place your Sequoia 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. Lift the vehicle from the frame in front of the rear axle.
5. Support the vehicle with jack stands from the points indicated. See (Fig. I.)
6. Remove rear wheels.
7. Loosen the bolt that fastens the front lower control arm to the frame. See (Fig. 2.) on both sides of the rear axle.
8. Loosen bolt that fastens the rear lower control arm to the frame. See (Fig. 3.) on both sides of the rear axle.
9. Loosen the bolt that fastens the spring carrier arm to the frame. See (Fig. 4.) on both sides of the frame.
10. Remove the bolt that fastens the rear shock to the lower control arm on both sides of the rear axle, but do not pull the shocks off of the studs yet. See (Fig. 5.)
11. Remove the bolts that fasten the sway bar end links to the sway bar on both sides of the rear axle. See (Fig. 6.)
12. Swing the sway bar up and out of the way of the shocks. See (Fig. 7.)
13. Support the bottom of the control arm with a floor jack and remove the shock from the stud.
14. Remove the bolt that fastens the upper control arm to the spindle. See (Fig. 7.)
15. Lower the floor jack and let the lower control arm open up from the upper control arm, this will provide more room to access the rear coil spring.
16. Install a “clam type” spring compressor to the rear coil spring and compress the spring. See (Fig. 8.)
17. Remove the spring and replace the upper rubber isolator with p/n LS-QR175 and re-install the spring. See (Fig. 9.)
18. Raise the floor jack to re-attach the bolt that fastens the knuckle to the upper control arm.
19. To complete installation, reverse step numbers 16 through 6 and torque all hardware to OE specifications.

REVTEK INDUSTRIES, LLC 1-503-659-1650
4288 SE International Way, Portland OR 97222

REVTEK INDUSTRIES
Sequoia Installation Instructions

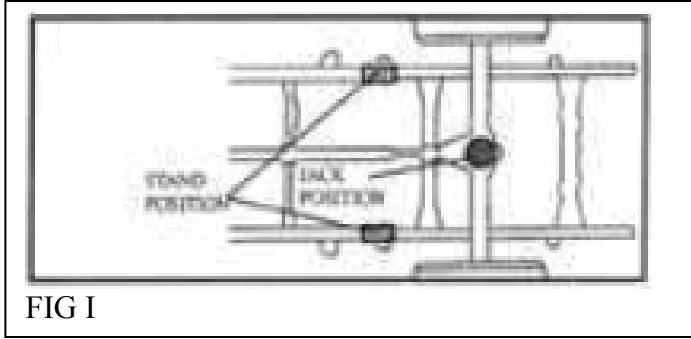


FIG I

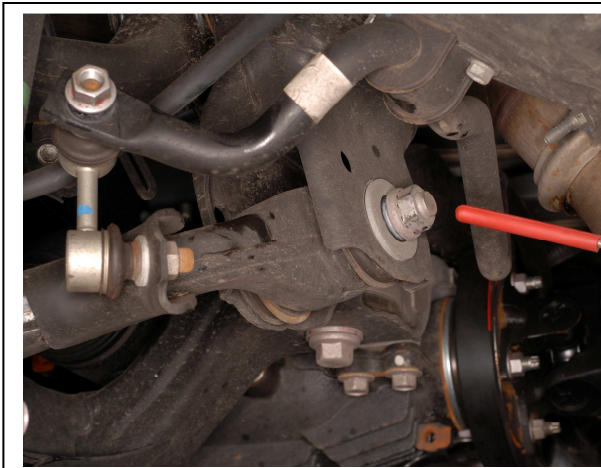


FIG 2



FIG 3



FIG 4



FIG 5

REVTEK INDUSTRIES, LLC 1-503-659-1650
4288 SE International Way, Portland OR 97222

REVTEK INDUSTRIES
Sequoia Installation Instructions

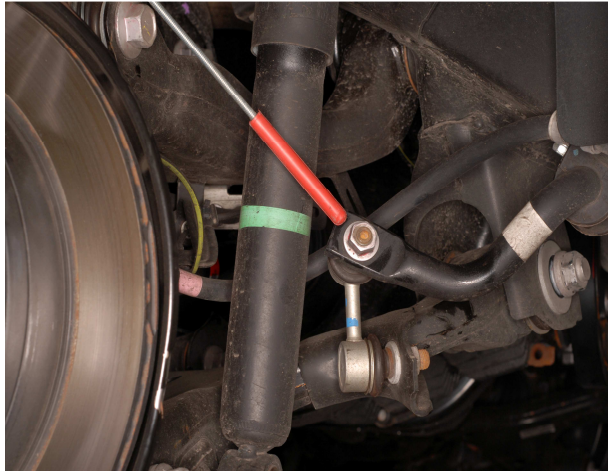


FIG 6

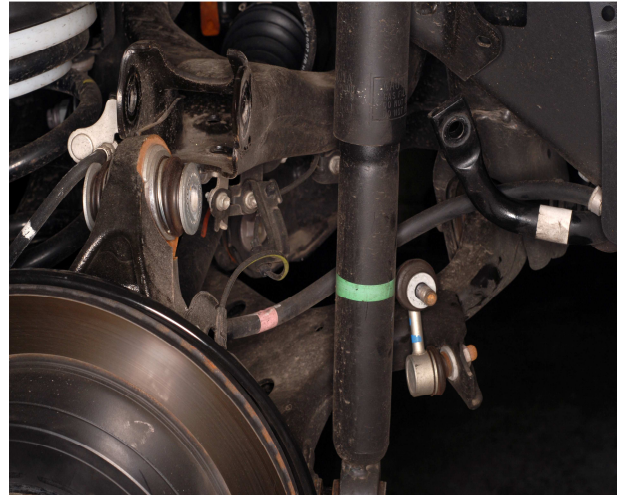


FIG 7



FIG 8

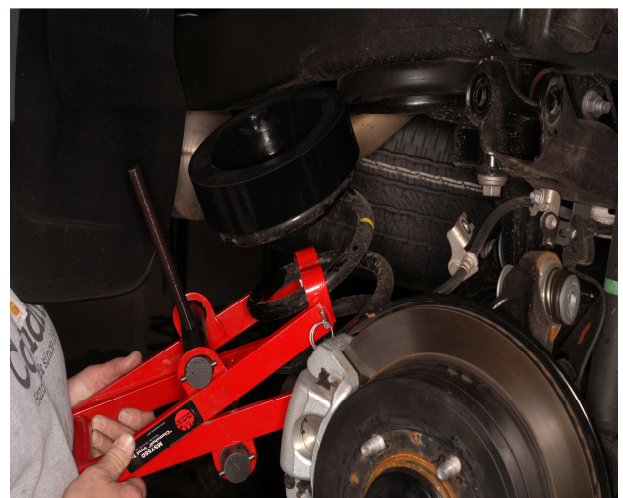


FIG 9

REVTEK INDUSTRIES, LLC 1-503-659-1650
4288 SE International Way, Portland OR 97222

REVTEK INDUSTRIES
Sequoia Installation Instructions

Limited Lifetime Warranty

Revtex Industries products are warranted to be free from material and workmanship defects for as long as the original retail purchaser owns the vehicle upon which such products were originally installed (proof of purchase required). The consumer will be responsible for removing from the vehicle and returning any defective item, freight prepaid, and for reinstallation. This warranty is non-transferable. Revtek Industries' limit of liability under this warranty is to repair or replace the product at Revtek Industries' option. Consequential costs such as, but not limited to labor fees, loss of use, loss of time or freight charges are not covered. Any product that has been abused, altered, incorrectly installed, or used in competition is not covered. Product finish is excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered. The warranty is void if the "Warning to Driver" decal is not properly displayed on the vehicle. No other warranties are expressed or implied. We reserve the right to make changes in design, materials, and specifications without prior notice.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages, the above limitation or exclusion may not apply to you.

There are no warranties, expressed or implied including any implied warranties of merchantability and fitness, which extend beyond this warranty period. There are no warranties that extend beyond the face hereof. Seller disclaims implied warranty of merchantability.

This warranty shall not apply to any product which has been improperly installed, modified or customized. Warranty does not apply to any components used for racing purposes or racing type activities.

To make a claim under this warranty contact Revtek Industries about the problem prior to removing any parts from the vehicle. If it appears that the part is warrantable, you will be given a Return Authorization (RA) number and asked to return the part freight prepaid. If the part is found to be warrantable, it will be repaired or replaced and returned to you. All freight charges are the customer's responsibility. If a replacement part is needed before the part in question can be returned, you must first purchase the replacement part. Then, if the part in question is deemed warrantable, you will be credited / refunded.

REVTEK INDUSTRIES, LLC 1-503-659-1650
4288 SE International Way, Portland OR 97222