



**INSTALLATION INSTRUCTIONS FOR 2007- 14
TOYOTA TUNDRA 4WD
2 1/2" SUSPENSION LIFT KIT
PART NUMBER 437 (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.

REVTEK 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. AS WITH ANY NON FACTORY COMPONENTS SOME SLIGHT MODIFICATIONS MAY BE NECESSARY.

KIT CONTENTS INCLUDE:

- INSTRUCTIONS INCLUDING PARTS LIST
- PRODUCT SAFETY LABEL (ORANGE)
- WINDOW DECAL
- WARRANTY
- DIFFERENTIAL SPACER KIT

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.

PARTS LIST INCLUDED IN KIT

<u>FRONT</u>	<u>QTY.</u>
PRELOAD SPACER	2
TOP OUT EXTENDER	8
SKID PLATE SPACER	3

PARTS LIST CONTINUED

DIFFERENTIAL SPACER KIT

	<u>QTY.</u>
DIFFERENTIAL DROP SPACERS	
1/2 - 13 X 6 BOLT	2
1/2 -FLAT WASHER	2
1/2 - 13 FLANGE NUT	2
SKID PLATE SPACER	3

REAR PARTS

LIFT BLOCK	2
U-BOLT	4
U-BOLT NUT	8
U-BOLT WASHER	8
EXTENSION BRACKET	2
5/16 -18 X 1 BOLT	2
5/16 FLAT WASHER	2
5/16 NYLOC NUT	2

CARRIER BEARING DROP

SPACER	4
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FRONT OF VEHICLE

1. Park your Tundra 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 coil shock from your Tundra.

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.

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 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.
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 ☺

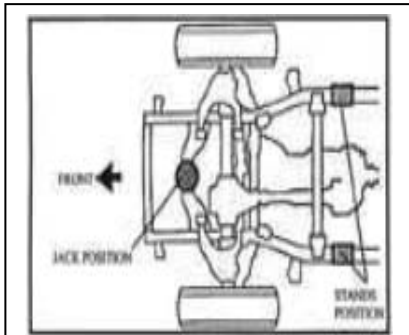


FIG A



FIG B



FIG B1



FIG C



FIG D



FIG E



FIG E1

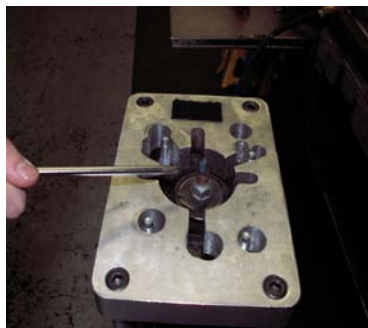


FIG F

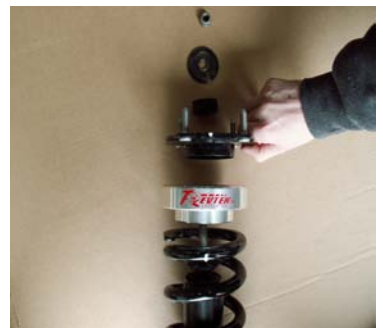


FIG G



FIG G1



FIG H

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.

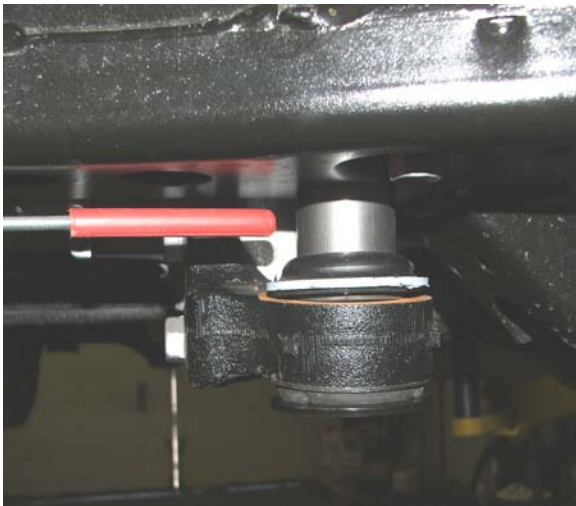


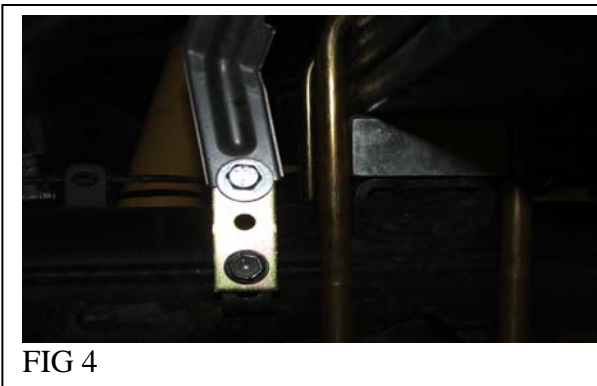
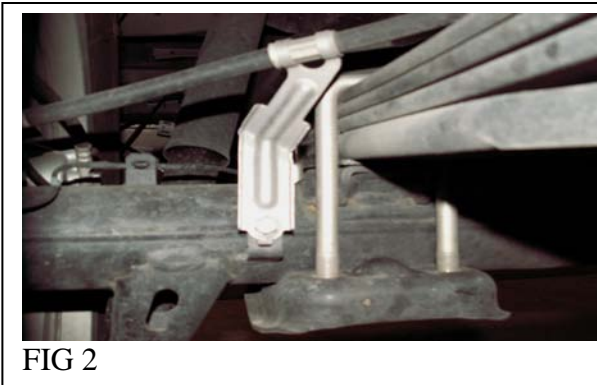
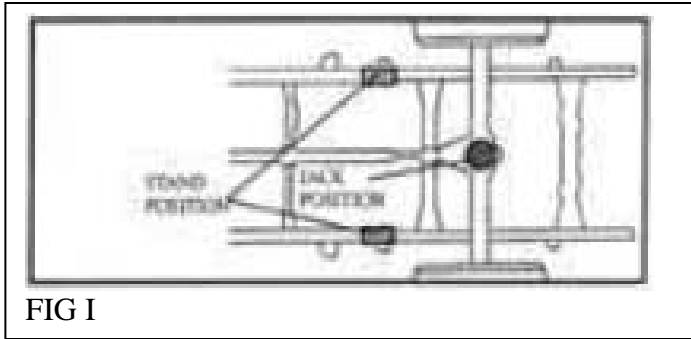
FIG J



FIG K

REAR OF VEHICLE

1. Place your Tundra 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 truck from the center of the rear differential housing, leaving the jack in place to support the differential.
5. Support the vehicle with jack stands from the points indicated. See (Fig. I.)
6. Remove rear wheels.
7. Remove the park brake brackets. See (Fig. 2.) on both sides of the rear axle.
8. Remove the lower bolt on the shock (do one side of the rear axle at a time) to allow the axle to drop. **Do not** remove upper bolt on shocks.
9. Remove the OEM U-bolts (19mm socket).
10. Carefully lower the floor jack, creating just enough room to place the LIFT BLOCK between the spring pad and the spring pack with the locating pin facing down. Make sure that the small end of the taper of the block faces toward the front of the vehicle. Raise the floor jack slightly, with just enough tension to hold the spring, block and differential housing together.
11. Remove the factory bump stop and bend the ears up ½” then Re-install bump stop using Revtek supplied u-bolts.
12. Install the new U-bolts, washers, and nuts supplied in the kit. (7/8” deep socket). See (Fig. 3.)
13. Replace the lower shock bolt.
14. Install the extension brackets on the park brake (PVB-2) cable hangers using the supplied 5/16” hardware. See (Fig4.).
15. Install the 4 Revtek carrier bearing drop spacers (P/N TOS-8) on the rear drive shaft hanger (2 per side) using a 14mm socket. 2 piece drive shafts only! See (Fig 5).





Limited Lifetime Warranty

Revtek Suspension 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 Suspension's limit of liability under this warranty is to repair or replace the product at Revtek Suspension's 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.

Other than stated above, there are no warranties.

SELLER DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY

SELLER DISCLAIMS ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE

This warranty to be free from material and workmanship defects shall not apply to any product which has been improperly installed modified or customized and does not apply to any components used for racing purposes or racing type activities.

To make a claim under this warranty to be free from material and workmanship defects, contact Revtek Suspension 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.

Shocks and bushings are considered to be wear items. As such, they will be covered for a period of 12 months from the original installation. Any failure outside of 12 months will be considered typical wear.

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