



**INSTALLATION INSTRUCTIONS FOR 2005-2014  
NISSAN XTERRA 4 X 4  
2" SUSPENSION LIFT KIT  
PART NUMBER 840**

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

**SPECIAL TOOLS REQUIRED:**

**SPRING COMPRESSOR FOR FRONT COIL OVER SHOCKS**

**REVTEK SUSPENSION RECOMMENDS USING RED LOCTITE ON ALL FASTENERS UNLESS OTHERWISE NOTED. ALSO RECOMMENDED IS HAVING THE FRONT END ALIGNMENT CHECKED AFTER INSTALLATION.**

**KIT CONTENTS INCLUDE**

- ♦ INSTRUCTIONS INCLUDING PARTS LIST
- ♦ PRODUCT SAFETY LABEL (ORANGE)
- ♦ WINDOW DECAL
- ♦ WARRANTY

**PARTS LIST INCLUDED IN KIT**

<b><u>FRONT</u></b>	<b><u>QTY</u></b>
PRELOAD SPACERS	2
ALIGNMENT CAMS	4

<b><u>REAR</u></b>	
ADD-A-LEAF SPRINGS	2
4 DEGREE SHIMS	2
CENTER BOLTS / NUTS	2
U BOLTS ½ X 31/4 X7RT	4
U BOLT NUTS	8
U BOLT WASHERS	8
ZIP TIES	2

**TORQUE SPECIFICATIONS**

10MM FASTENERS	30 LBS.FT
12MM FASTENERS	55 LBS.FT
LUG NUTS	75 LBS.FT

## FRONT OF XTERRA

1. Park vehicle on 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 lift point in Figure A.
5. Support the vehicle with jack stands from the points in Figure A.
6. Remove the front wheels.
7. Remove sway bar end links from sway bar using 17mm socket (both sides). See Figure B.
8. Using 19mm socket, remove lower bolt and nut from the bottom of the strut (both sides). See Figure C.
9. Remove the three nuts (14mm) from the top of the strut. See Figure D.
10. Remove the struts from the vehicle, making sure that they are marked driver and passenger side respectively for reinstallation.
11. Mark the top plate and the spring so that you know exactly how the spring assembly is to be re-installed. See Figure E
12. Remove the lower control arm non-adjustable bolts (22mm) & nuts (19mm) that mount the control arms to the frame and replace them with the supplied adjustable SPC 87520 alignment cam bolt (22mm) and nut (21mm). See Figure H.

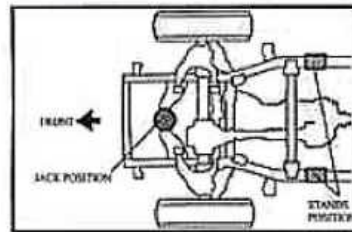


Fig. A



FIG.B



FIG.C

**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.**

13. Compress strut assembly and remove the nut (17mm) on the top of the strut shaft.
14. Release the compressor.
15. Remove the spring top plate from the strut.
16. Remove the rubber isolator and cut the center out so the center can be reused. You will discard the outside ring, and replace it with the PLS-F8. See Figure F

## **FRONT OF XTERRA (continued)**

17. Re-install the center rubber that you cut from the isolator back onto the shock shaft, exactly as it was before you cut it from the isolator. Re-install the preload spacer (PLS-F8) between the spring and the spring top plate with the small diameter facing toward the spring and the stud relief's position on the studs with the Revtek logo facing outward; align the spring with the top plate from the previous marks, compress the entire assembly and re-install the top nut, M17, until it bottoms on the threads. See Figure G
18. Reinstall the strut by reversing the removal procedure; torque to spec. (Torque specs on page 1.)
19. When properly installed, Revtek logo will be facing out toward the tire.
20. Reinstall sway bar end links into sway bar. Torque to spec.

**SPECIAL NOTE: YOU WILL NEED TO ALIGN THE FRONT END AND ADJUST THE HEADLIGHTS AFTER THE ENTIRE KIT IS INSTALLED!!!**

## **REAR OF XTERRA**

1. Place vehicle on level concrete surface.
2. Block front wheels to prevent vehicle from moving in either direction.
3. Remove the lower shock bolts & nut (19mm) while vehicle is sitting on the floor.
4. Lift the vehicle and support the rear from the frame rails with jack stands leaving the entire rear suspension hanging free. See Figure I.
5. Remove rear wheels.
6. Remove the two (2) (14mm) lower sway bar bolts that bolt the sway bar to the axle and loosen the two (2) (14mm) top bolts that bolt the sway bar to the axle and move the rear sway bar off the axle and let it hang. See Figure J.
7. Remove the u-bolts (19mm), and the lower mounting plates.
8. Remove the center bolt that holds the leaf springs together. See Figure K.

9. Install the supplied 4 degree shim (N4DSHIM) on top of the leaf pack with the thick end facing forward and drop the new center bolt through it to hold it in place.
10. Install the ADD-A-LEAF between the over load spring and the main leaf pack and fasten the (9/16) nut to the center bolt. Tighten the nut until the leaf pack is sandwiched back together but do not over tighten the nut. **IT WILL STRIP VERY EASILY!!!!**
11. Install the new U-Bolts, bottom plates, washers, and nuts (3/4).
12. Replace the rear sway bar.
13. Remove the anti-lock brake lines from their mounts (to free up some slack) and zip tie them to the brake lines. One on each side. See Figure L.
14. Install rear tires and set the vehicle back on the floor.
15. Install the lower shock bolts (19mm) and nuts (19mm).



FIG.D



FIG.E



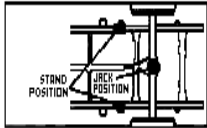
Fig. G



Fig. F



Fig. H



**Fig. I**



**Fig. J**



**Fig. K**



**Fig L**



## **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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