



**INSTALLATION INSTRUCTIONS
FOR 2008 JEEP LIBERTY & 2007-08 Dodge Nitro
2" SUSPENSION LIFT KIT
PART NUMBER 582**

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 (Branick Industries, Inc Model # 7200 or equivalent)
BALL JOINT SEPARATOR (Powerbuilt Part No 648468 or equivalent)

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

PARTS LIST INCLUDED IN KIT

<u>FRONT</u>	<u>PART #</u>	<u>QTY.</u>
PRELOAD SPACER	PLS-JL	2
TOP OUT EXTENDER SPACERS	TOS-8	8
<u>REAR</u>		
LIFT SPACER	LS-JC5	2

TORQUE SPECIFICATIONS

10MM FASTENERS	30 LBS.
15MM FASTENERS	30 LBS.
18MM FASTENERS	80 LBS.
21MM FASTENERS	100 LBS.
LUG NUTS	85 LBS.
BALL JOINT NUT	60 LBS.

PRODUCT SAFETY LABEL MUST BE INSTALLED INSIDE CAB IN PLAIN VIEW OF ALL OCCUPANTS.

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FRONT OF JEEP LIBERTY

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.

Note: Work on passenger side first.

4. Open hood and remove air box. This is done by loosening the hose clamp and two latches (see Figure "A"). Remove air filter and then with a rocking motion pull upward on the lower air box and it will come out.
5. Jack up the vehicle from the lift point in Figure "B."
6. Support the vehicle with jack stands from the points in Figure "B."
7. Remove the front wheels.
8. Remove the nut (21mm) and bolt from the bottom of the strut fork and remove the 21mm bolt from the top of the strut fork (not strut). See Figure "C."
9. Remove the upper ball joint nut (21mm) and separate the upper ball joint with a ball joint separator, (Powerbuilt Part No 648468 or equivalent). Be careful not to damage the ball joint dust boot. See Figure "D."
10. Using a pry bar, remove lower strut fork from strut assembly. See Figure "D."
11. If equipped with cruise control. Remove the two 10mm nuts holding cruise control bracket down on passenger side above strut, (see Figure "E"). Lift bracket up, allowing access to the four 18mm nuts on strut. See Figure "E."
12. While supporting strut, remove the four nuts (18mm) from the top of the strut. See Figure "E."
13. Remove the strut from the vehicle.

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.

14. **IMPORTANT:** Use a marking pen to scribe a line connecting the strut top plate to the lower keyway in the strut. See Figure "F." If this isn't done, reassembly alignment may be difficult.
15. Compress strut assembly and remove the nut (15mm) on the top of the strut shaft.
16. Release the compressor.
17. Remove the top plate and rubber isolator and separate them.
18. Install the rubber isolator on the Revtek PRELOAD SPACER and insert this assembly into the spring, with the small diameter facing toward the spring.
19. Install the top plate onto the Revtek PRELOAD SPACER making sure to align the mark from Step 14. See Figure "G." (NOTE: Marks must be aligned for reinstallation of strut.)

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20. Compress the strut assembly, making sure you center the strut shaft through the top plate hole. Replace nut (15mm) and washer on the top of the strut shaft and torque to spec. (Torque specs can be found on page 1.) Release compressor.
21. Install the four TOP OUT SPACERS (TOS-8) over the STUDS on the top of the strut (Figure "G").
22. Reinstall strut in vehicle with keyway on lower strut facing toward you.
23. Tighten four 18mm nuts at top of strut – Torque specs on page 1.
24. Install cruise control bracket and tighten the two 10mm nuts – torque specs on page 1.
25. Install lower strut fork, making sure keyway is lined up and seated up to the stops.
26. Reinstall the nut (21mm) and bolt through the bottom of the strut fork and install the 21mm bolt through the upper strut fork, then tighten (torque specs on page 1). See Figure "D."
27. Reinstall ball joint and tighten 21mm nut (60 lbs.) – torque specs on page 1. See Figure "D."
28. Reinstall air box and filter

Note: Divers side

29. Remove battery terminals from battery using 10mm wrench.
30. Remove the battery retaining clamp using 10mm socket. See fig J.
31. Remove blanket from the battery by gently pulling straight upward.
32. Remove the fuse box from the metal bracket by depressing the 2 clips in the front and the 2 clips in the rear simultaneously and gently lifting it up and out of the way. See fig K.
33. Remove the battery tray, there are 3-14mm nuts holding it in place. See fig L.
34. Remove the breather hose that is attached to the rear strut bolt and attach it to the A-arm bolt on the fender well. See fig M.
35. Now repeat steps 8 through 27 from passenger side install.
36. Replace tires and wheels; torque to spec.

NOTE: Depending on wheel manufacturer, you may have to remove retaining clips on studs for trueness of wheels.

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FIGURE A



FIGURE B

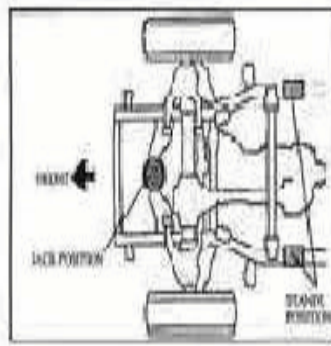


FIGURE C



FIGURE D



FIGURE E

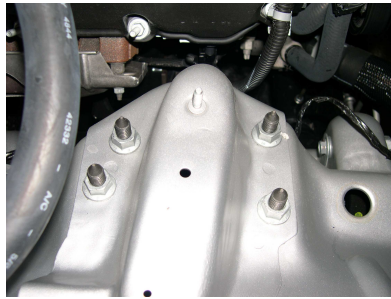


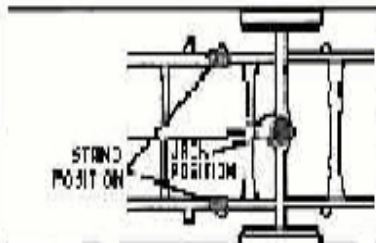
FIGURE F



FIGURE G



FIGURE H



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FIGURE I



FIGURE J



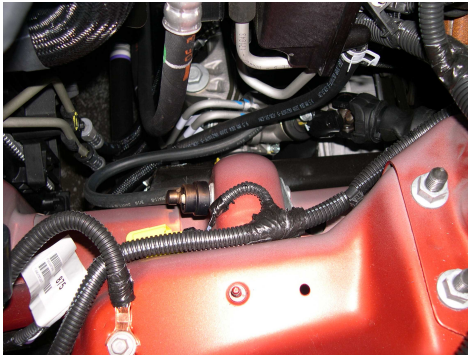
FIGURE K



Figure L



Figure M



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REAR OF JEEP LIBERTY

1. Place vehicle on level concrete surface.
2. Block front wheels to prevent vehicle from moving in either direction.
3. Make sure parking brake is on.
4. Lift the truck from the center of the rear differential housing, leaving the jack in place to support the differential. See Figure "H."
5. Support the vehicle with jack stands from the points indicated in Figure "H."
6. Remove rear wheels.
7. Remove the lower shock bolts (18mm).
8. Remove the sway bar retaining nuts that are located on the rear axle 15mm.
9. Carefully lower the floor jack, until suspension is fully dropped down.
10. Remove the rear coil spring to allow access to the lower rubber isolator. Trim ¼" off the top of the lower rubber isolator so that the new Revtek spacer will sit flush on top of it. See fig I.
11. Repeat this process on the other side.
12. Jack the suspension back up and reinstall the rear shocks and sway bar.
13. Replace the wheels, torque to spec.

NOTE: You must have the alignment checked or excessive tire wear may occur.

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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.