Rough Country 863RED Installation Instructions

2-Inch Red Anodized Leveling Kit for Nissan Titan

Part number: 863RED

trailfortress.com/2-inch-red-anodized-leveling-kit-nissan-titan-rough-country-863red

Scan for fitment, price and install help

9286300

ROUGH COUNTRY SUSPENSION SYSTEMS®

Nissan 04-15 Titan 2” Suspension Kit

Thank you for choosing Rough Country for all your suspension needs.

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the parts list on the last page. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

PRODUCT USE INFORMATION

As a general rule, the taller a vehicle is, the easier it will roll. We strongly recommend, because of rollover possibility, that the seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered.

If question exist we will be happy to answer any questions concerning the design, function, and correct use of our products.

This suspension system was developed using a 33X12.50/17, tire with factory wheels. The lift was designed as a leveling kit only. **Actual spacer thickness does not reflect actual lift height.**

NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a ñWarning to Driverò decal installed on the inside of the windshield or on the vehicleôs dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

INSTALLING DEALER - it is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

Tools Needed:

19 mm Socket /Wrench
13/16ò Socket
22 mm Socket
Hammer
17 mm Wrench
14 mm Socket
9/16ò Socket

Torque Specs:

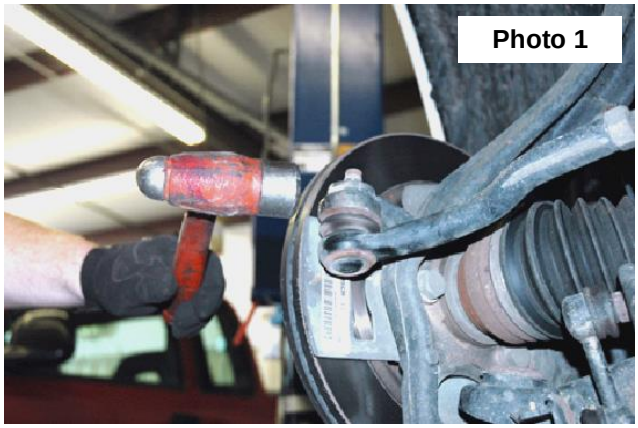
Size	Grade 5	Grade 8
3/8ò	30 ft/lbs	35 ft/lbs
7/16ò	45 ft/lbs	60 ft/lbs
1/2ò	65 ft/lbs	90 ft/lbs
9/16ò	95 ft/lbs	130 ft/lbs
5/8ò	135 ft/lbs	175 ft/lbs
3/4ò	185 ft/lbs	280 ft/lbs

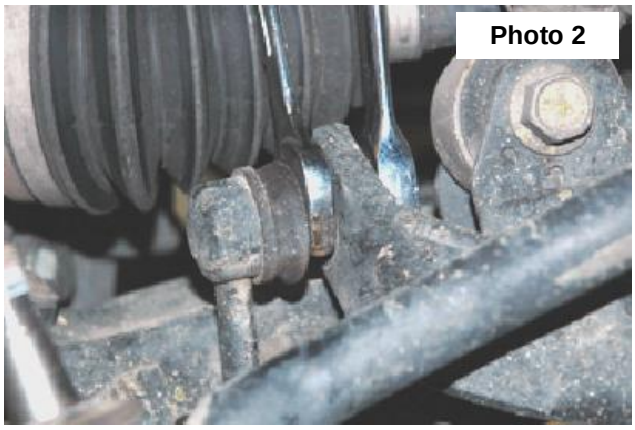
	Class 8.8	Class 10.9
8MM	18ft/lbs	23 ft/lbs
10MM	32ft/lbs	45ft/lbs
12MM	55ft/lbs	75ft/lbs
14MM	85ft/lbs	120ft/lbs
16MM	130ft/lbs	165ft/lbs

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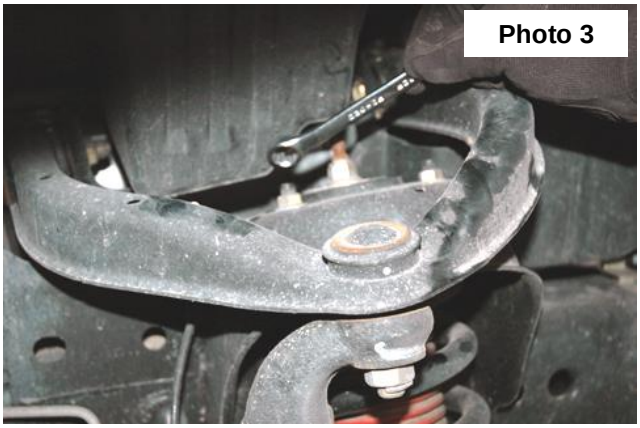
INSTALLATION INSTRUCTIONS

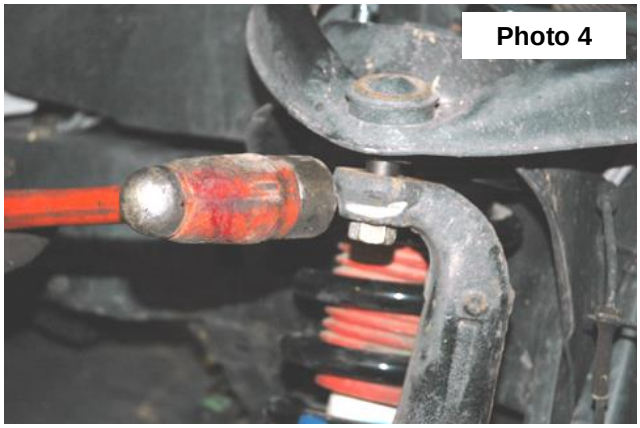
1. Jack up the front of the vehicle and support the vehicle with jack stands, so that the front wheels are off the ground
2. Using 13/16ò socket remove the front tires/wheels.
3. Using 22mm socket remove the nut from the steering linkage. Using a hammer hit on the side of the knuckle as shown, and remove the linkage from the knuckle. Push linkage forward to make room for installation. Retain factory hardware. **See Photo 1.**
4. Using a 17mm wrench, remove the sway bar bolts, allowing the sway bar to drop. Retain factory hardware. **See Photo 2.**





5. Using a 14mm socket, remove the strut nuts on the upper strut tower that holds the assembly in place. **See Photo 3**. One nut can be left on the upper bolts to hold the strut in place **.**
6. Remove cotter pin from the upper control arm ball joint nut. Place jack stand under the knuckle for support. Using 22 mm socket remove nut. Using a hammer hit the knuckle as shown to allow the ball joint to separate from the upper control arm **See Photo 4**. Do not allow the knuckle to pull out far enough that it pulls the shaft out of the differential. Retain factory hardware.





7. Using a 19mm socket and wrench, remove the strut bolt from the lower control arm and remove the strut assembly from the vehicle. Retain the factory lower bolt for reassembly. Note the direction of the bolt for reassembly. **See Photo 5.**



9. Install the new strut spacer on the strut using factory hardware and a 14mm socket. **See Photo 6.**
10. Install the strut assembly into the strut tower and secure with the supplied 10mm nuts, lock washers, & washer. Tighten using a 17mm wrench**. See Photo 7**.


Photo 6


Photo 7

11. Install the lower strut bolt in the original position that it was removed. Torque to factory specs
12. Using a floor jack, raise the lower control arm and connect the upper ball joint on the upper control arm to the spindle. If ball joint spins while trying to tighten nut. You may have to put a ratchet strap around the upper and lower control arm to pull them together to tighten. **See Photo 8**. Torque to manufacturer specs.
13. Using a 22mm socket reinstall the steering linkage nut and cotter pin.
14. Repeat steps 3-12 on opposite side of vehicle
15. Using 17 mm wrench reinstall sway bar links using factory hardware. Torque to factory specs.
16. Install the wheels / tires.
17. Jack up the vehicle and remove the jack stands. Lower the vehicle to the floor and torque all bolts to factory specifications.


Photo 8

POST INSTALLATION

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.
2. Perform steering sweep. The distance between the tire sidewall and the brake hose must be checked closely. Cycle the steering from full turn to full turn to check for clearance. Failure to perform inspections may result in component failure.
3. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
4. Readjust headlights to proper settings.
5. Vehicle will have to have a front-end alignment.

Alignment specs.	Caster	1.6 to 3.1 degree
	Camber -	3- to 1.2 degree
	Toe é é	00 to .05
	Total Toe	.05 to .10 degree

KIT CONTENT



Kit Contents:
2-Front 2" Strut Extensions
6-10mm nuts
6-10mm lock washers
6-10mm flat washers

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By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable Federal, State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.