



PRO COMP SUSPENSION

Suspension Systems that Work!

**PN# PLN09104
2004-2008
Nissan Titan and
Armada
2004-2008 Infinity
QX-56 2WD &
4WD Spacer Kit**

This document contains very important information that includes warranty information and instructions for resolving problems you may encounter. Please keep it in the vehicle as a permanent record.

Part #	Description	Qty.
M20068	TOP SPACER	2
S11134	STUD EXTENDER	6
S10518	10mm-1.25 LOCK NUT	6
S10077	SLIT LOCK	6

<u>RECOMMENDED PRO COMP SHOCKS</u>			
	<u>2004-2007 Armada</u>	<u>2004-2007 Titan 4wd</u>	<u>2004-2007 Titan 2wd</u>
<u>Front Strut:</u>	615053	615053	615053
<u>ES9000 (rear):</u>	919543	925543	924543
<u>MX-6 (rear):</u>	N/A	MX6061	MX6061

TOOLS REQUIRED:

WRENCH SET & SOCKET SET	1
FLOOR JACK	1
JACK STAND	1

Equipment Available from your Pro Comp Distributor!

(Titan)

4WD Suspension Lift Kit: 59001/59001MX
 2WD Suspension Lift Kit: 59004/59004MX
 4WD/2WD Coil Over Add On Kit: 59002BMX (Use With Suspension Lift Kit)
 2WD Carrier Bearing Spacer Kit: 59003B (Use With Suspension Lift Kit)
 Traction Bars: 72300B (Crew Cab) Mounting kit: 79090B
 4WD/2WD Rear MX-6 Shocks: MX6060 (Use With Suspension Lift Kit)
 4WD Rear MX-6R Reservoir Shocks: MX6143R (Use With Suspension Lift Kit)
 2WD Rear MX-6R Reservoir Shocks: MX6066R (Use With Suspension Lift Kit)
 (Must be Ordered with MX-6R Shocks): Sleeve P-1036 (2 per shock) Bushing 600026 (2 per shock)
 Rear MX-6R Reservoir Mounting Kit: 63012 or 63013
 Motorsport Series Light Bar: 27000

(Armada)

2WD/4WD Suspension Lift Kit w/o Air Ride: 59005/59005MX
 Coil Over Add On Kit: 59006BMX (Use With Suspension Lift Kit)
 Rear MX-6 Shocks: MX611 2 (Use With Suspension Lift Kit)
 2WD/4WD Suspension Lift Kit w/Air Ride: 59007/59007MX
 Coil Over Add On Kit: 59008BMX (Use With Suspension Lift Kit)
 Motorsport Series Light Bar: 27000

Also, Check out our outstanding selection of Pro Comp tires to compliment your new installation!

Introduction:

- ◆ **This installation requires a professional mechanic!**
- ◆ We recommend that you have access to a factory service manual to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Prior to installation, carefully inspect the vehicle's steering and driveline systems paying close attention to the tie rod ends, ball joints, wheel bearing preload, pitman and idler arms. Additionally, check steering-to-frame and suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition. Repair or replace all worn or damaged parts!
- ◆ Read the instructions carefully and study the illustrations before attempting installation! You may save yourself a lot of extra work.
- ◆ Check the parts and hardware against the parts list to assure that your kit is complete. Separating parts according to the areas where they will be used and placing the hardware with the brackets before you begin will save installation time.
- ◆ Check the special equipment list and ensure the availability of these tools.
- ◆ Secure and properly block vehicle prior to beginning installation.
- ◆ ***ALWAYS*** wear safety glasses when using power tools or working under the vehicle!
- ◆ Use caution when cutting is required under the vehicle. The factory undercoating is flammable. Take appropriate precautions. **Have a fire extinguisher close at hand.**
- ◆ Foot pound torque readings are listed on the Torque Specifications chart at the end of the instructions. These are to be used unless specifically directed otherwise. Apply thread lock retaining compound where specified.
- ◆ ***Please note that while every effort is made to ensure that the installation of your Pro Comp lift kit is a positive experience, variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. Additionally, the current trend in manufacturing of vehicles results in a frame that is highly flexible and may shift slightly on disassembly prior to installation. The use of pry bars and tapered punches for alignment is considered normal and usually does not indicate a faulty product. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at the number listed on the cover page. We do not recommend that you modify the Pro Comp parts in any way as this will void any warranty expressed or implied by the Pro Comp Suspension company.***

Please Note:

- ⇒ Front suspension and head light realignment is necessary!
- ⇒ Speedometer and ABS recalibration will be necessary if larger tires (10% more than stock diameter) are installed.
- ⇒ **IT IS ADVISABLE THAT YOU HAVE HELP AVAILABLE WHEN INSTALLING THIS KIT. SOME COMPONENTS ARE HEAVY AND AWKWARD. AN ADDITIONAL SET OF HANDS IS GOOD INSURANCE AGAINST INJURY!**

Installation:

1. Layout all parts and check quantities against the Bill of Materials. Completely read instructions before beginning installation.
2. Do not install the kit on another lift or altered suspension.
3. Jack the front of the vehicle in accordance to manufacturer recommendation and support with jack stands, so that the front two tires are off the ground
4. Remove the front tires/wheels.
5. Remove sway bar end link.
6. Remove upper ball joint nut and remove spindle from upper A-arm.
7. Remove upper strut nuts on the strut tower (3) on each side of vehicle that holds strut assembly to the strut tower (Hint: Leave one nut on to prevent the strut from dropping out in the next step.)
8. Remove lower strut bolt from the lower control arm and remove the strut assembly from vehicle. (Note the direction of the bolt for reinstallation) (Figure 1)
9. Install the 3 washers on the plate then the stud extenders with the M20068 spacer on top of strut assembly.
10. Install the strut assembly into the strut tower and start the upper three 10mm nuts & washers. (Make sure that the bottom of the strut is aligned as well)
11. Install the lower strut bolt in the original position that it was removed.
12. Using the floor jack, raise the lower control arm and connect the upper ball joint on the upper control arm to the spindle. Torque per OEM specifications.
13. Reconnect the sway bar end links. Torque per OEM specifications.
14. Install the front tires/wheels.
15. Lower the vehicle onto the ground and

tighten the upper strut tower nuts. (3 on each side).

16. Torque all bolts to factory specifications.
17. Have wheel alignment done after installation.
18. Re-torque all bolts after 500 miles.





Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs. Maximums						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

<p>1/2-13x1.75 HHCS</p> <div style="display: flex; justify-content: space-around;"> D T L X </div>	<p>Grade 5 Grade 8</p> <p>(No. of Marks + 2)</p>	<p>M12-1.25x50 HHCS</p> <div style="display: flex; justify-content: space-around;"> D T L X </div>	<p>P</p>
<p>G = Grade (Bolt Strength)</p> <p>D = Nominal Diameter (Inches)</p> <p>T = Thread Count (Threads per Inch)</p> <p>L = Length (Inches)</p> <p>X = Description (Hex Head Cap Screw)</p>		<p>P = Property Class (Bolt Strength)</p> <p>D = Nominal Diameter (Millimeters)</p> <p>T = Thread Pitch (Thread Width, mm)</p> <p>L = Length (Millimeters)</p> <p>X = Description (Hex Head Cap Screw)</p>	