

PRO RYDE[®] SUSPENSION SYSTEMS

EXACTLY THE WAY YOU WANT IT.™

3-in-1 REAR SPRING SHACKLE KIT INSTALLATION

2005-2015 Nissan Xterra
2005-2017 Nissan Frontier

IMPORTANT!

Read **ALL WARNINGS** and information contained in these instructions **PRIOR** to installing this product. **Vehicle Owner MUST** be provided the **IMPORTANT VEHICLE OWNER'S INFORMATION** section of these instructions after installation of this product.

Bill of Materials

- (1) Installation Instructions & Warnings
- (2) Straight Adjustable Shackle Plates
- (2) Offset Adjustable Shackle Plates
- (2) Long Sleeves
- (2) Short Sleeves
- (2) Long Bolts
- (2) Short Bolts
- (4) Nylock Nuts
- (8) Washers



ALWAYS WEAR PROPER EYE PROTECTION & USE TOOLS SPECIFIC TO THE JOB!

STEP 1: Position vehicle on a stable, flat surface or automotive lift. Be sure engine is turned OFF and vehicle is in PARK. Secure vehicle with wheel chocks.



STEP 2: On a flat, level surface, **MEASURE** preinstallation ride height, **FRONT & REAR**, and write down measurements.

Front (L) _____
Front (R) _____
Rear (L) _____
Rear (R) _____



STEP 3: Position jack under frame just forward of leaf spring or on rear hitch.



****TIP**** Removing spare tire and plastic bumper side pieces on Xterra will help with installation.

STEP 4: Loosen and remove lower shock bolt.



STEP 5: Lift vehicle so there is no pressure on leaf spring while keeping tire on ground. Loosen shackle nuts and remove OEM shackle.

****WARNING** DO NOT REMOVE SHACKLE UNTIL PRESSURE ON LEAF SPRING IS RELIEVED!**



STEP 6: Assemble one side of the shackle as shown. Long sleeve will go in frame mount bushing and short sleeve will go in leaf spring bushing.



STEP 7: Insert sleeve and half of shackle assembly into frame bushing.

****TIP**** Adding a bit of grease or oil to the sleeve will help install.



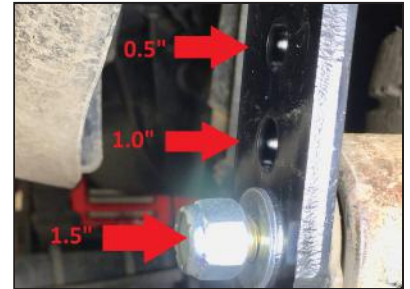
STEP 8: Install washer and nylock nut on bolt.



STEP 9: Insert sleeve in leaf spring bushing. Raise vehicle if necessary to line up shackle holes.



STEP 10: Insert short bolt with washer through corresponding hole for desired lift. Install washer and nylock nut.



STEP 11: Tighten and torque all hardware to 100 lbs/ft. Reinstall lower shock mounting bolt and torque to manufacturer's specifications.



STEP 12: REPEAT STEPS 4 THROUGH 11 ON OTHER SIDE OF THE VEHICLE. Carefully follow each step of these instructions as you did on the first side of vehicle!

STEP 14: Perform a complete wheel alignment, utilizing a Certified Alignment Technician with experience working on lifted vehicles.



STEP 15: ADJUST HEADLIGHT AIM to accommodate new ride height position.

STEP 16: Check and retorque shackle fasteners after 500 miles, and inspect regularly during routine maintenance.

Before:



After:



IMPORTANT! Check all fasteners for proper torque. Check to insure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.

Complete a full 4-corner lift and install a PRORYDE LiftMachine front Level/Lift Kit!



57-4000N-1118

IMPORTANT VEHICLE OWNER'S INFORMATION

2005-2017 Nissan Frontier

2005-2015 Nissan Xterra

3-in-1 REAR SPRING SHACKLE KIT

WARNING

This product should only be installed and adjusted by an ASE certified professional mechanic with proper tools and safety equipment.

Installation of this product modifies vehicle ride height. The driver of this vehicle should avoid unnecessary or abrupt maneuvers, sharp turns and other driving conditions that could lead to rollover or other serious accident. This product will affect vehicle center of gravity resulting in less than the original OE stability characteristics.

The manufacturer of this product releases itself from any liability or consequence, inclusive but not limited to personal injury, failure of components or damage to vehicle or person as a result of installing this product.

Check and re-torque Shackle fasteners after 500 miles, and inspect regularly during routine maintenance.

Warranties may be declined for any parts installed by any person other than an ASE certified professional. No warranty will be made for any other OEM or aftermarket components that may be affected by the installation of this product either in use or during installation. This kit is intended for use on stock suspensions WITHOUT any previous modifications whatsoever. Installation of this kit in conjunction with other aftermarket products will be done at vehicle owner's own risk, and voids any and all warranties.

Installation of this part MAY limit or void some vehicle manufacturer's warranties!

ALWAYS DRIVE SAFELY, REDUCE SPEED, AND WEAR YOUR SEAT BELT.

LIMITED LIFETIME WARRANTY

This product is warranted to be free of defects in materials and workmanship to the original purchaser on the vehicle in which it is originally installed. This warranty does not cover loss of time, labor, or any other components as a result of damage. This warranty may be void if this product is installed by any person other than an ASE certified professional.