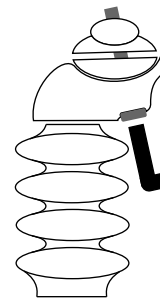


### How to Tighten Clamp Bolt

1. Use long end of wrench to snug up clamp.



2. Use short end of wrench to turn clamp bolt another 1/2 turn

### Caution Statement

NitroPro suspension seatposts are designed to absorb small bumps only. A rider should stand up on the pedals when encountering large obstacles over 3 inches in height. NitroPro seatposts can eliminate the need for a full suspension bike but the seatpost cannot give the same travel as a full suspension bike. If you exceed the maximum obstacle height of 3 inches the post may bend which would **void the warranty**. **More pre-load and lubrication prevents bending seatpost**. Pre-load stops bottoming out of post and lubrication helps stanchion move freely. Both prevent the aluminum tube from having to absorb the shock.

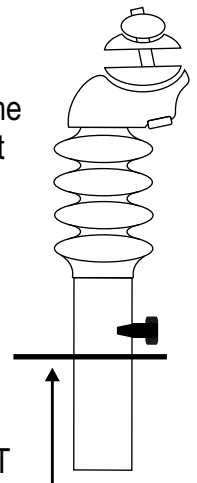
### Break in Period

After break in NitroPro will absorb more shock than any suspension seatpost available. NitroPro has snug bearings when new. A break in period of fifty miles of use will be necessary before full responsiveness of post is achieved. If after break in period seatpost is not responsive then less pre-load is needed or a softer gas spring. But **before replacing gas spring squirt 10 wt oil (not motor oil, see instructions) onto stanchion under vinyl boot**. If this does not improve ride then Read below paragraph "Too Hard or too Soft Ride"

### Maximum Insert

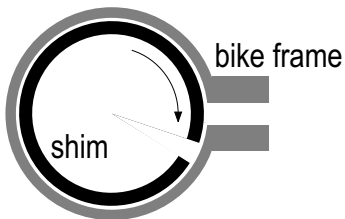
Do Not let bike frame come in contact with adjustment nut. Damage to key will occur and void warranty.

Tighten clamp on bike frame firmly to stop seatpost slipping.



### Too Hard or too Soft Ride

**Setting the Pre-load:** With a flat blade screwdriver rotate pre-load plug (at bottom of post) clockwise for a firmer ride and counter clockwise for softer ride. Gas springs are selected depending on rider weight, street or off road riding. The gas springs overlap each other therefore either gas spring will work with some riders. If after trying several pre-load settings and oiling the stanchion, you are not satisfied with the suspension performance call 1-800-966-1675 for a **free** gas spring of lower or higher pressure to be mailed to you. Our goal is for you to be satisfied. (Must be within 90 days of purchase date)



### Appearance

Rotate shim inside bike frame so that shim gap is offset from frame gap. This will prevent most scratches to the seatpost.

### Rotational Play in Stanchion

Slight side to side play is normal when new. Seat is not going to be as rigid as a solid seatpost because of the two piece design. All telescopic seatposts are like this. Play will diminish over the months as fine dirt fills cracks between the key/tube/ss bolt. Once the cracks are filled it seals the key area so no more dust can enter. Occasionally you will have to tighten the SS adjustment to remove play from normal wear.

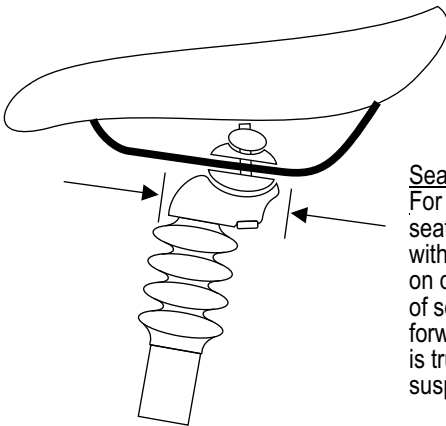


# Nitrogen Gas Suspension Seatpost

Congratulations! and Thank You for purchasing the NitroPro. The most advanced suspension seatpost on the planet. NitroPro is the only suspension seatpost that uses patented nitrogen gas/coil spring technology in four different gas pressures to accommodate your specific body and riding style. This unique spring combination gives a very supple 35 lb./inch spring rate. Expect 100% shock absorption compared to suspension seatposts that use elastomers, coil springs or compressed air. The adjustable pre-load can be rock hard for off road extremes to very soft for street riding. What's more, NitroPro is designed for minimal maintenance making it great for long trips that demand a lot out of you and your bike. Ultra smooth progressive compression, oil dampening and 2.3 inches of suspension travel make the NitroPro the most responsive suspension seatpost available or your money back. (30 day trial period).

### Installation

1. Remove saddle and stock seatpost from bicycle.
2. Insert the NitroPro suspension seatpost and the correct size shim into the bike frame\*. If shim and post are a **tight fit in bike frame**, insert a flat blade screwdriver into bike frame clamp slot and spread apart. Tighten seat clamp.
3. To install the saddle, Loosen hex screw on bottom of seat clamp place saddle rails between the half cylinders.
4. Position saddle at desired angle. **Tighten hex screw firmly** with 6mm hex wrench or saddle may slip and damage serrations.



**Seat position:** For best performance seat should be positioned within the area indicated on drawing. Near center of seat rails is better than forward end of rails. This is true for all telescopic suspension seatposts.

### Adjustment

The NitroPro is available in four different gas pressures. It is important to start with the correct gas pressure for your weight before fine tuning. See weight chart on website. The NitroPro was designed to maintain the initial seat height like a solid seatpost and then compress when a bump is encountered.

1. Remove the NitroPro from the bicycle. Leave saddle attached.
2. **Setting the Pre-load:** With a flat blade screw driver rotate slotted plug (at bottom of post) clockwise for a firmer ride and counter clockwise for softer ride. If after a large bump the seatpost does not fully extend screw the plug in until there is enough pre-load to allow for a full recovery. If after trying different pre-load settings the ride is too soft or too hard then the gas spring should be exchanged for a different gas spring pressure.

### Security

It is recommended that you replace your quick release seat clamp with a bolt and nut to avoid loss of your NitroPro.

### Storage

Store in an up right position. This will give the gas spring a longer life. After non use for several months unscrew preload plug and allow gas spring to fully extend then screw plug back in.

### Limited Warranty

NitroPro suspension seatposts are warranted against defects in material and / or workmanship for one year from date of purchase. The warranty applies only to the original owner. At its discretion, Alumaline Corp. will repair or replace any defective seatpost with the same or comparable model. Proof of date of purchase must accompany the defective seatpost when returned to Alumaline. This warranty is void if the seatpost is damaged as a result of abuse, alterations, modifications, improper adjustment, lack of maintenance, crashes, or other conditions judged by Alumaline Corp. to be abnormal, excessive, or improper. Wear from normal use or exposure to environmental elements is not covered by this warranty. Under no circumstances shall the manufacturer be liable for more than the cost of the unit.

### Maintenance

1. NitroPro suspension seatposts require occasional lubrication. **Lubrication will help in lowering friction and prevent corrosion.** Use a light NON DETERGENT machine oil like 'Zoom Spout Oiler' or 3 in 1 at any hardware store, or Singer Sewing Machine Oil. These oils are 10 wt. viscosity. The oil is inexpensive. **Do not use motor oil** because of detergents added to oil.
2. Remove lower cable tie on vinyl boot. Lift lower vinyl boot up exposing steel inner post. Hold boot up with fingers while applying oil to the inner post. Coat entire inner post and then apply oil to edges of slots in the post. **Do not oil the gas spring shaft.** The gas spring has its own lubrication permanently sealed into it. Any foreign substance on the gas spring shaft may damage the seals of the gas spring.
3. If there is a metallic rubbing sound when the NitroPro compresses, remove the coil spring and coat the entire outer surface of coil spring with white grease. **Make sure the metal washer does not fall out and make sure the gas spring's chrome shaft is down towards the plug and not installed upwards.** Reassemble.

### Lubrication

Other lubricants other than what is specified will decrease responsiveness of post. Do not use detergent based lubricant it will pit the steel and void warranty. Do not use Judy Butter.

Slide tie off top of boot then cut off tie. Stretch top of vinyl boot and apply 10 wt. oil to inner steel post and edges of slots. Squirts of oil, not drops, will allow adequate amount to run down to bearings.

### Adjusting Rotational Play

After some time there may develop rotational play. To compensate for wear an 'Expanding Guide Key' expands as an adjustment nut is rotated. Adj. nut is factory preset to stop any rotation without adding excess friction. If adjustment is needed not more than one turn should be necessary.

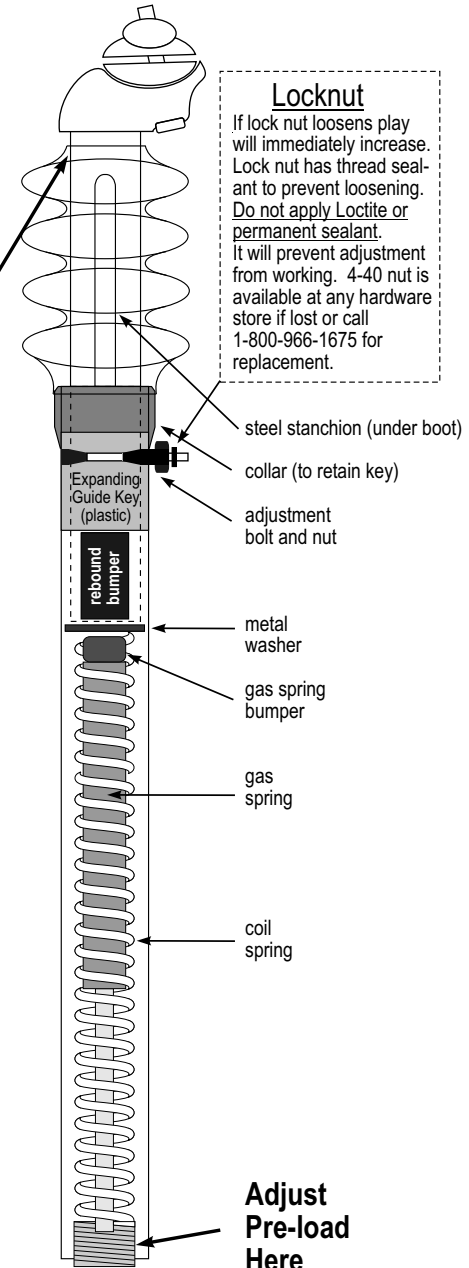
Adjustment nut is located outside of post protruding from outer tube. With a small wrench loosen lock nut. Use fingers to turn adj.nut clockwise. Turn enough to remove play but not so much as to create friction in the post movement.

### Specifications:

- Length: 385 mm
- Weight: 575 grams
- Travel: 2.3 inches
- Dia. 25.4 mm

### Shim sizes:

- 26.0 to 31.8mm



**Locknut** If lock nut loosens play will immediately increase. Lock nut has thread sealant to prevent loosening. Do not apply Loctite or permanent sealant. It will prevent adjustment from working. 4-40 nut is available at any hardware store if lost or call 1-800-966-1675 for replacement.

**Adjust Pre-load Here**