

NINJA PAINTBALL Regulator Installation Guide

Proudly Made in the USA

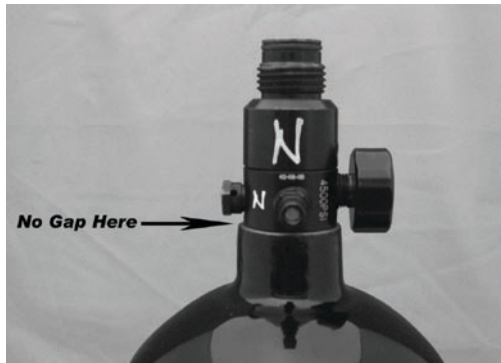
THIS GUIDE IS FOR NEW REGULATORS MANUFACTURED BY NINJA PAINTBALL ONLY.

Thank you for your purchase of a NINJA regulator, Proudly Made in the USA. The following guide will help you to install the regulator into your cylinder.

- Remove the plastic cap and inspect the 5/8-18 UNF stem threads which screw into the bottle to ensure no damage has been caused due to shipping. If any damage has occurred do not install the regulator and contact NINJA PAINTBALL.
- Inspect the threads in the cylinder and ensure that they are not damaged. Remove any debris from the threads.
- Check the overall condition of the cylinder per CGA publications C-6 & C-6.1 available from www.cga.net.
- **▲ WARNING: INSTALLING THE INCORRECT REGULATOR ON THE INCORRECT BOTTLE MAY LEAD TO INJURY OR DEATH.**
- **▲ NEVER INJECT OIL INTO THE REGULATOR OR ALLOW OIL TO ENTER THE BOTTLE OIL DROPLETS WILL IGNITE WHICH MAY LEAD TO INJURY OR DEATH.**
- THE PRESSURE RATING OF BOTH THE REGULATOR AND THE CYLINDER MUST BE THE SAME. THE 3000 PSI REGULATOR CAN BE INSTALLED ON A 3000 PSI RATED BOTTLE ONLY. THE 4500 PSI REGULATOR CAN BE INSTALLED ON A 4500 PSI BOTTLE ONLY. THE NINJA 3000 PSI & 4500 PSI REGULATORS ARE MARKED AS SUCH NEXT TO THE FILL NIPPLE.
- Also check that the cylinder is in hydrostatic test date, **go to <http://www.ninjapaintball.com/static.asp?path=66> for help with all your hydro questions.** If the cylinder is damaged, out of hydrostatic test date or not the same pressure as the regulator, do not install the regulator. Call us or go to www.ninjapaintball.com to have your cylinder hydro tested.
- NINJA PAINTBALL recommends that you use a GO / NO GO 5/8-18 UNF2B plug thread gauge on the cylinder threads. Available at MSC Supply www.mscdirect.com.
- **▲ WARNING: DO NOT USE THE CYLINDER IF THE NO GO GAUGE THREADS INTO THE CYLINDER AS PER THE GAUGE MANUFACTURER INSTRUCTIONS.**
- Before installing the regulator, NINJA PAINTBALL recommends that you apply a thread locking compound to the cylinder threads. Do not put any thread

locking compound into the regulator. Do not apply thread locking compound into the bleed holes located under the bottle sealing o-ring. Keep thread locking compound away from o-ring site on the regulator and cylinder. Follow the manufacturer instructions for using the thread locking compound.

- **Using no tools**, screw the regulator into the cylinder slowly and feel for any obstructions. **DO NOT LUBE THE O-RING!** If the regulator or valve becomes difficult to turn then stop and remove the regulator or valve. Re-inspect and clean the cylinder and regulator threads before installing the regulator or valve. If the regulator does not screw in easily after cleaning the threads twice, do not use the cylinder or regulator as damage may have occurred to the threads. **DO NOT INSTALL THE REGULATOR CALL 877-NINJAUSA OR CONTACT A LOCAL AIRSMITH.**
- Check to ensure that the regulator is fully seated into the cylinder and there is no gap at the bottle neck, see illustration. All Ninja regulators come with a 112-70 buna o-ring to seal the reg to the cylinder as this is the most common o-ring needed. If the regulator does not seat fully into the cylinder then remove the 112-70 buna o-ring and install the 015-70 buna o-ring found in the tool kit supplied with your regulator.



- Once the regulator is fully installed into the cylinder by hand, torque / tighten the regulator onto the cylinder, **DO NOT EXCEED 45 foot pounds**. ASTM specification F2653-07 states that the regulator should have a minimum break away torque of 18 foot pounds.
- Once the regulator is installed and torqued on the cylinder, leave the cylinder in a vertical position with the regulator or valve facing up so that the thread locking compound can cure according to the manufacturer specifications.
- Do not remove and install the regulator unnecessarily! Only install and remove as necessary and thread gauge both the female cylinder threads and the male regulator threads with a Go/No Go Thread gauge to ensure that the threads meet proper thread specifications.

**IF YOU HAVE ANY QUESTIONS PLEASE CALL
1-877-NINJAUSA (1-877-646-5287)**