



The Gen-2 AirStock uses an integrated low pressure regulator. The regulator is semi pressure-compensating and will need a break-in period of approximately 2000 to 3000 rounds.

Adjusting the integrated regulator:

The regulator is sensitive, when adjusting do not over adjust! Shoot the gun several times after any adjustment to the regulator to allow the velocity to stabilize.

Decrease output:

Looking at the regulator from the back, using a 3/16 allen wrench turn the adjuster clockwise (in) to decrease the pressure. *(The regulator will not self relieve, you must shoot the gun after you adjust the reg to allow the pressure to decrease.)*

Increase output:

Looking at the regulator from the back, using a 3/16 allen wrench turn the adjuster counter clockwise (out) to increase the pressure.

The adjustment range is approximately 0 to 140 psi.

Lubrication:

This regulator is designed to use Tech-T Gun Sav. This is the same lube used on your Redline N7. Some lubes can swell the o-rings, so it is important to always use a non petroleum based lubricant. We recommended you disassemble and grease the regulator once or twice a year under normal use.

High pressure air is a very stabile power source. Once the regulator is broken in and guns velocity is set there should be very little need to adjust the regulator during the course of the day. If the gun seems to be losing velocity or "acting funny" in any way always check your HPA tank pressure and refill your HPA tank **before** adjusting the regulator!

Integrated Tournament lock:

The regulator has an integrated tournament lock. To lock the regulator insert a wire tie through the top of the 4 holes in the adjuster cap then one more vertically through the other 2 holes. This will block off access to the adjuster and secure the cap to the regulator.

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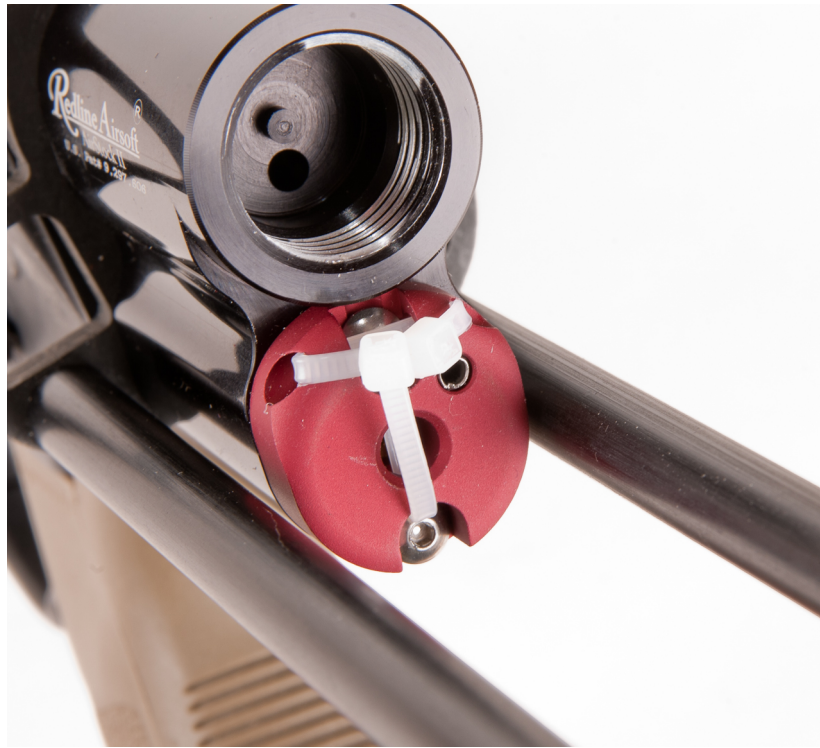


Fig1

Warning!!

Never use your regulator with the adjuster cap off! With the cap off . The velocity adjuster/cage assembly can shoot out under pressure!

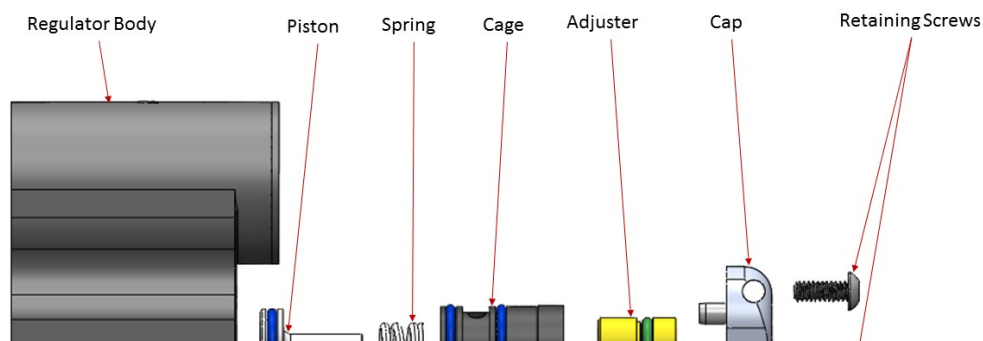
Disassembling the regulator:

Before disassembling the regulator remove the air tank.

Vent any residual pressure in the regulator by shooting the gun.

Do not attempt to disassemble the regulator with the system still pressurized!

AirStock Gen 2 Parts



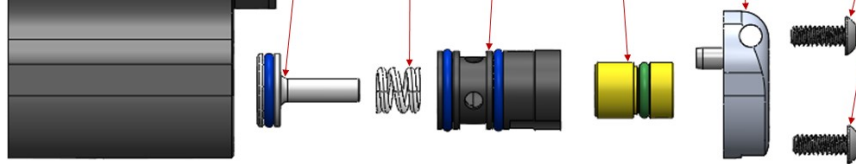


Fig2

Remove the 2 retaining screws and remove the cap. Insert the 3/16ths allen wrench into the adjuster. Cock the wrench to one side pull out the cage/adjuster assembly. The piston and spring may or may not come out with the cage/adjuster assembly. If it did not come out, use a small pair of needle nose pliers to remove the piston. Be very careful not to scratch the shaft of the piston when removing it.

AirStock Gen 2 O-Ring Listing

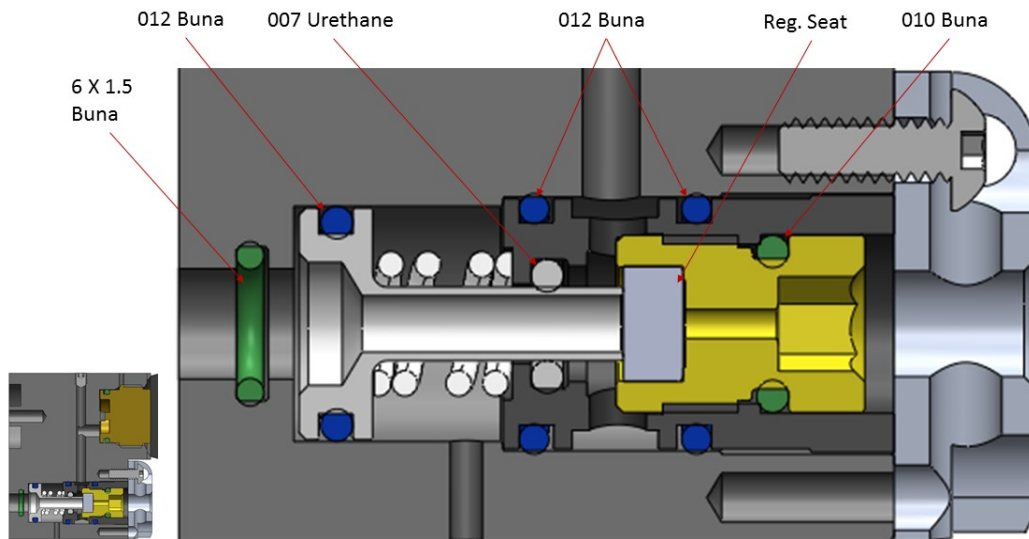


Fig-3

When reassembling the regulator lube all of the orings with Tech-T grease. Install the piston shaft into the cage. Carefully install the entire piston, cage/adjuster assembly into the reg body. The 012 orings on the cage can catch on the reg body and get cut. To prevent the orings from being cut during the install gently wiggle the assembly while pushing the assembly into the reg body.

Once the cage/adjuster assembly is installed use the 3/16th allen wrench to rotate the cage until one of the notches on the cage aligns with the notch on the reg body. Install the cap, aligning the pin on the cap with the hole made by the cage & reg body notches. Then tighten the retaining screws.

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