

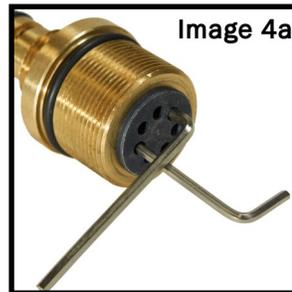
# Hatsan Regulator Installation Instructions

Congratulations and thank you for purchasing a Hatsan drop-in regulator for your rifle's air cylinder! This device will regulate the output pressure of your airgun, producing more consistent velocities for more precise shooting. It should be understood that, due to the decrease in valve pressure, the output velocity/power will also be reduced. While the regulator is not specifically intended or guaranteed to increase the shot count of any given reservoir or airgun, an increase in the number of total shots may occur. Follow the instructions below to install your new regulator.

## CAUTION: Professional Installation Is Recommended

**NOTE: Disassembly/Modification of Air Cylinder Will Affect Your Warranty!**

1. Remove the air cylinder from your rifle.
2. Completely de-gas the air cylinder, utilizing the de-gassing cap that was included with your rifle.
3. Remove the brass valve assembly by turning it counter-clockwise, away from the cylinder body. **WARNING: The threaded portions of the valve body may be sharp!**
4. Remove the valve spring retainer. **CAUTION: Do not lose the spring, which is held in compression by the spring retainer.**
  - a) It may be necessary to remove the threaded retainer by inserting two hex keys into the openings, (Image 4a).
  - b) Original AT44 models use a white plastic plug that is pressed into place (Image 4b). Use a pair of pliers or small flat screwdriver to remove this plug.
5. Remove the large o-ring that is located at the base of the larger set of threads on the valve body (see left photo below).
6. If the bottom surface of your valve body has oxidation, pitting, or any other form of roughness, use fine sand paper to gently smooth the surface so that the o-ring can form a good seal. A rough surface here will result in a leak.
7. Lightly grease the exposed o-rings with silicone diver's grease (see photos below).
8. Make sure that the valve spring is in position, then install your regulator in place of the valve spring retainer.



9. Gently re-install your valve/regulator assembly, being cautious not to damage the o-ring on the regulator body.
10. Begin charging the air cylinder, checking for leaks as you fill, and again once it is full.
11. Reinstall the air cylinder into your rifle and test its output.

**NOTE: Hammer spring preload adjustments may be necessary in order to achieve optimal performance.**

Contact the HatsanUSA service department at [Service@HatsanUSA.com](mailto:Service@HatsanUSA.com) if you need additional assistance.

# Hatsan Regulator Pressure Output Adjustment

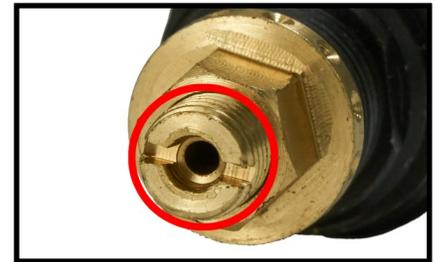
**WARNING: Advanced installation! – Drop-in installation instructions on other side.**

All Hatsan regulators come pre-set from the factory at 125 BAR (1800 PSI). If you wish to make adjustments to this setting, follow the instructions below.

**NOTE:** Before making any adjustments, it is important to note the position of the adjuster, should you desire to reset the regulator back to the factory pressure setting. Mark the adjuster and base for alignment, and count the number of exposed threads at that mark.

**CAUTION:** If you are unsure how these changes will affect your airgun, or are not confident making these adjustments, contact the HatsanUSA service department for help.

1. Remove the plenum from the regulator assembly by gently turning and pulling. It is held in place with an o-ring and should only require a moderate amount of effort to separate.
2. The adjuster is the threaded portion with a slot across the screw body. Use a suitable flat screwdriver to make your adjustments.
3. Turn the adjuster clockwise to decrease the output pressure or counter-clockwise to increase it.
4. 1/2 turn in either direction will change the output pressure by approximately 25 BAR (360 PSI)\*.
5. Apply a small amount of diver's grease to the o-ring and replace the plenum (see photo below).



\*It is not recommended to adjust the regulator below 100 BAR, or above 150 BAR – as the regulator may not operate as expected outside of this pressure range.



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