

HUMA-AIR.COM

Market Leader In Accuracy

Welcome to Huma-Air. We design and manufacture brand- and model specific precision regulators for PCP air rifles.

By using only the highest quality materials such as aircraft grade aluminum, aluminum-bronze, chrome-moly steel and precision belleville springs, our ultra-compact regulators are high performing with less than 1% fluctuation.

Regulator installation guide Spa/Artemis M16 and Diana Outlaw

HUMA-AIR



For adjustment tips, frequently asked questions and a complete list of installation manuals and instructions on how to adjust your Huma-Air regulator

<https://www.huma-air.com/Fitting-instructions>



Or go there directly by scanning the QR code

Before you start, realize this:

- Working on a high pressure rifle could potentially be harmful or lethal to you or bystanders if you do not know what you are doing.
- The pictures of the rifle parts in this manual are universal and used as an example to explain the working principle. They might not be equal to the parts in your rifle.
- Do not attempt to install this regulator yourself if you do not have a clear understanding of how these pcpr rifles and regulators work.
- Do not attempt to install this regulator if you are not skilled to work on an air rifle; contact your local gunsmith to do the fitting.
- Installation and operation is done completely at your own risk.
- Installing this regulator might void your rifle's factory warranty.
- Your rifle may never be filled higher in pressure as stated in your rifle's manual.
- Do not attempt to fit this regulator in another rifle as mentioned in our order confirmation.
- These regulators are not suitable to use as a CO2 to HPA conversion, this could potentially be harmful or lethal to you or bystanders.
- We cannot be held liable for any accidents in relation to this regulator and its installation.

Before you start, make sure that the rifle is unloaded, remove the magazine and make absolutely sure ALL the air is drained from the pressure tube. If there is a pressure gauge, it will give you just an indication. Dry fire the rifle or follow the manufacturer's instructions and double check to make sure all the air is out of the rifle

If the regulator is fitted and there is no output pressure after filling the pressure tube, something might be wrong causing the airflow to block totally.

Please beware even though there is no output pressure, the pressure tube is fully charged with high pressure air!!

If you are not able to relieve the pressure of the pressure tube according to the manufacturer's instructions or by dry firing the rifle then:

Contact a professional gunsmith to retrieve a solution!

- **DO NOT try to unscrew or to open the pressure tube in any way.**
- **DO NOT try to pierce/drill or to use force to open the pressure tube or unscrew parts in an attempt to relieve the blocked pressure.**
- **These actions can cause serious injury or death to you or bystanders**



Please read our [“General adjustment tips”](#) and [“How to adjust the regulator pressure properly”](#) It will help you getting the best performance in the tuning process.

1. Remove the stock from the action



2. Remove the barrel, barrelshroud by loosening the grub screws in the breech.



3. Unscrew the pressure tube from the action. Sometimes the regulator adapter is still inside the pressure tube, then loosen it separately as in the picture below.



4. Unscrew the factory regulator and replace it by the Huma-Air tuning regulator



5. Now you can screw the endcap into the pressure tube again and screw them back on to the action. Before you pressurize the tube again, please unscrew the pressure tube and the endcap just about a $\frac{1}{4}$ to a half turn open, so there is a tiny gap (max 0,5-1 mm) between the pressure tube and the pressure tube endcap. This allows the regulator to breathe to the atmosphere better.

6. Now you assemble the rifle back again and carefully fill your rifle. Only fill for about a few bars (30-40) and check if the airflow runs free when you do a blank test shot. When everything is ok, you can now fill your rifle completely and start testing and adjusting the get the best performance.

When you are testing/adjusting your rifle using a chronograph, please remember to take sufficient time between the shots for the regulator to recharge the regulated chamber volume.