



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 Guideline Edgun Lelya 2 12 ft/lbs Tune Set



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 guideline can be 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 pcp 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. Follow the manufacturer's instructions for depressurizing 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**

Before you start we would recommend to check out the 2 Edgun video's below.

Video 1 is a strip down guide video and shows you how to strip the Lelya properly.

Video 2 shows you how to replace the hammerspring on the correct way and assemble it again

<https://www.youtube.com/watch?v=YWayqVvmGB0>

<https://www.youtube.com/watch?v=rk-YoibFQ0M>

Find below the step by step photo instructions how to fit the 12 ft/lbs tune kit

Remove the action from the stock.



Unscrew the allen bolt on the side totally until the end



Then pull the pressure tube towards the triggerbar and carefully slide it out to the front of the action.



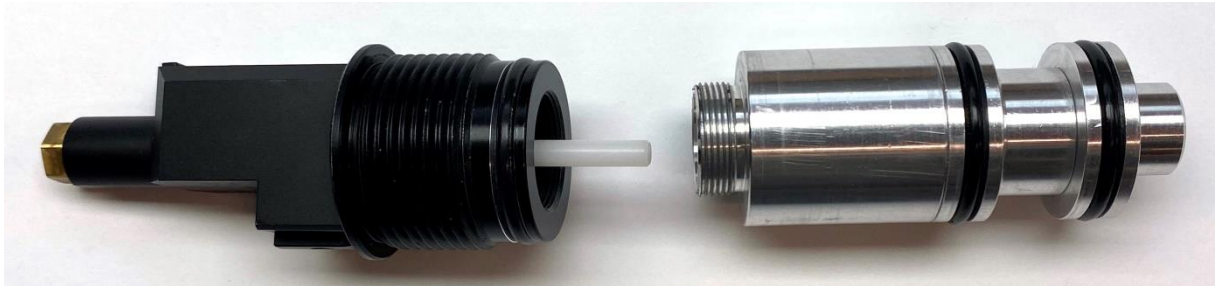
Drain the pressure bottle/tube so the rifle is totally empty by using the depressurize screw.



Then unscrew the valve from the pressure tube and make sure you remove the factory regulator from the pressure tube as it sometimes unscrews itself inside the pressure tube.



Unscrew the factory regulator and plenum from the endcap



Remove the valve and shorten it to a length of about 35-35,5 mm using a sharp hobby knife.



Now remove the big o-ring of the valve's endcap.

Place the valve inside the valve house.

Place the new valve return spring and the flow restrictor on top of it.

Screw the assembly together again and double check the set pressure.



New regulator setup compared to the factory regulator.



Now push the dummy plenum inside the pressure tube using some silicone grease and screw the valve house with regulator back inside the pressure tube. Do not forget to close the de-pressurize screw again.



Now we need to replace the strong factory hammerspring for a weaker model. A 3 mm pendriver, hammer a piece of wood and an friend or helping hand will help you doing it properly.

Use proper tools and get assistance for holding the rifle so you do not damage or scratch it!

3mm pendriver



Set the hammerspring tension on the lowest setting using a big allen key.

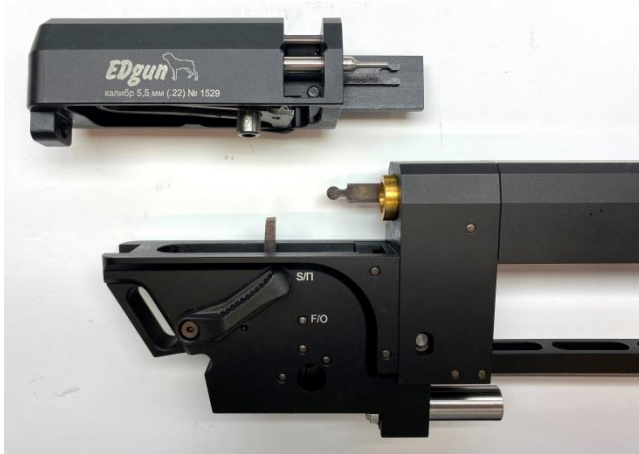
Then place a piece of wood with a 3,5 mm hole drilled under the trigger bar fixation pen.
Ask a friend to hold the action steady and firmly so you can tap out the pen properly with the pendriver.



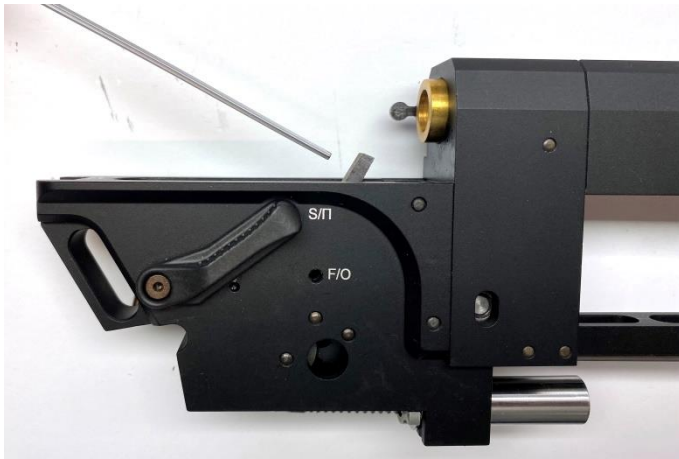
As the hammer is blocked in its stroke length we need to remove the breech. The breech is held by just 1 screw on the back. Unscrew it and pull it straight back. You can easily help it by cocking the rifle and pulling the breech backwards simultaneously. A video how to do it can be found here

https://youtu.be/ev0nPyLA_Qw





The next step is to tap out the F/O pin using the pendriver. The F/O pin blocks the hammer stroke length and the hammer needs to go further forwards to remove the hammerspring.



Now you can easily remove the hammerspring and guide pin and replace the stronger hammer spring for the new weaker spring.





After fitting the new hammerspring you can replace the F/O pen again and make sure the hammer is upwards position before the pen is fixated. Then place the small the small trigger pen again. (when it gives you trouble getting it in again you can replace it by a allen bolt M3x10 mm with a nyloc nut)



After placing the new hammerspring you can assemble the rifle back again. Following the same steps. and when ready you can fill your rifle and start testing and adjusting the hammerspring using a chrony to get the perfect pelletspeed.

Any suggestions to improve this guideline will be highly appreciated