

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 Benjamin Cayden/Akela



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 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 rifleparts in this manual are universal and mend 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 airrifle; 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 conformation.
- 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 manufactures 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!!

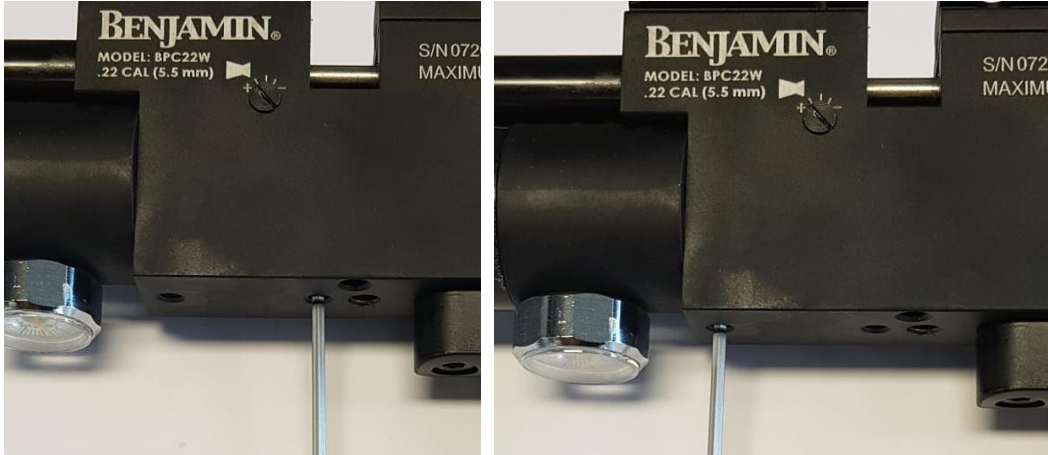
If you are not able to relieve the pressure of the pressure tube according to the manufacture instructions or by dry firing the rifle then:

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**

1. Check if your airreservoir is totally empty.
2. Remove the action from the stock.
3. Double check / check again if there is absolutely no pressure inside the pressure tube. Only when absolutely certain proceed to remove the cylinder from the action

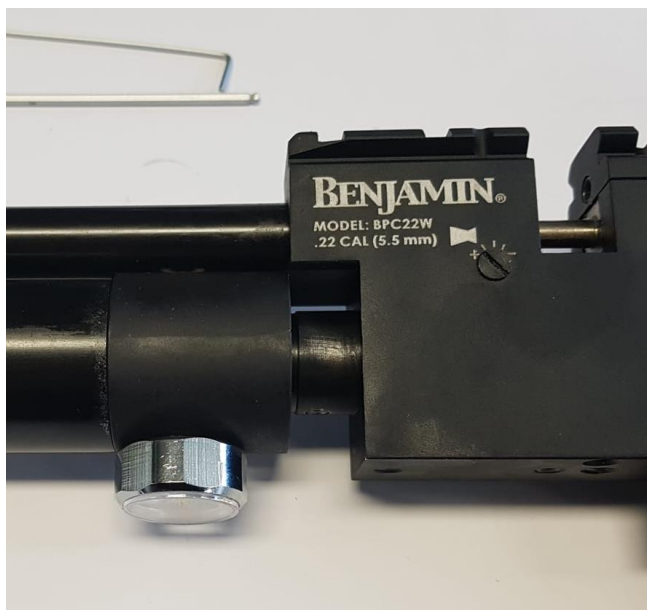
For this loosen the 2 grub screws on the underside of the action



4. Loosen the grub screws from the barrel band and rotate the barrelband out of the way.



5. Now you can slide out the cylinder from the action



6. Now unscrew the gauge connector from the tube, and remove the orings from that. The cap (you see it in the middle is no longer needed, keep it safe if you plan to, later on, remove the regulator



7. Now to aid in breathing of the regulator you can file a small notch in the cylinder wall and across the threads. Alternatively you can keep about a paper width of gap between the gauge connector and the tube end. Below pictures are exemplary.



8. Now it's time to slide in the regulator. Don't forget to set it to your desired pressure before inserting it. Also use some silicone lubricant to keep orings sliding freely and keep the souple. Be sure the oring in the plenum face that is going to seal against the gauge connector is seated correctly.





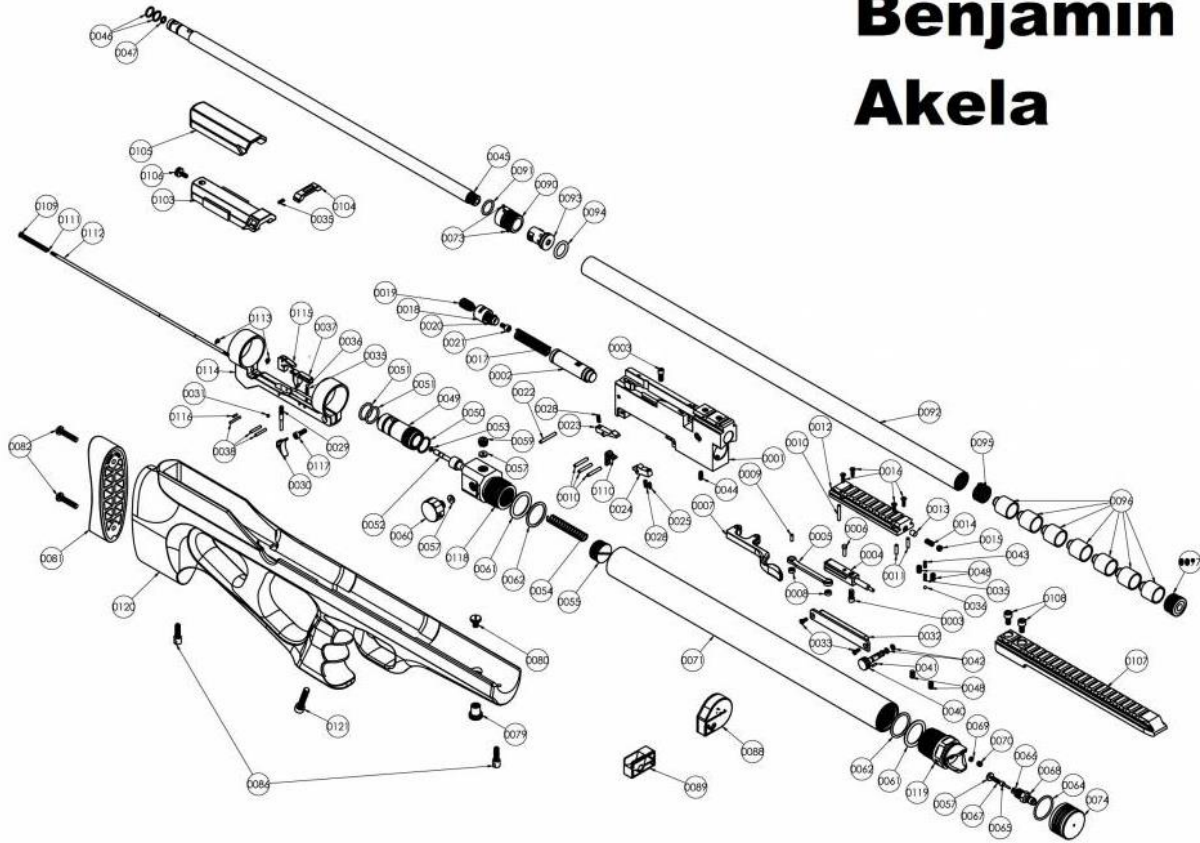
9. Now the gauge connector can be screwed on again. After the gauge connector is back in place you can pressureize the tube and check for possible leaks.

10. Reassemble the rifle in reverse order. And you are done. Adjust the hammer spring force as described in this document.

<http://foto.huma-air.com/foto/General%20airrifle%20adjustment%20tips.pdf>

These fitting instruction can also be used for the Benjamin Akela. Due to it being a bullpup we have included the exploded view of the Akela so you have a reference to where the differences are.

Benjamin Akela



Once you are to the point of where the tube can be unscrewed from the action the principles above shown for the Cayden can be applied to the Akela

Now enjoy your newly regulated rifle!