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 BSA Buccanneer SE and Gamo Coyote, Gamo Urban, Gamo Chacal, BSA Ultra XL

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

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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**

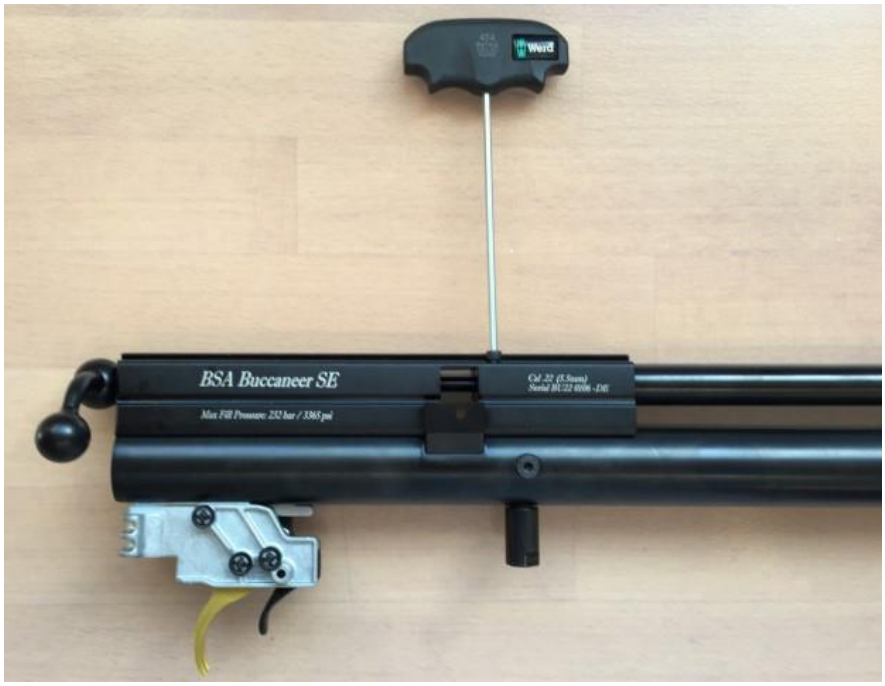
Make sure your pressure tube is fully empty.

Follow the strip down step on the official bsa website. A link to the stripdown video can be found here: http://bsaguns.co.uk/air-rifles/pcp-airguns/Buccaneer-SE.aspx
Or take a look at our foto stripdown below.

Take the action from the stock

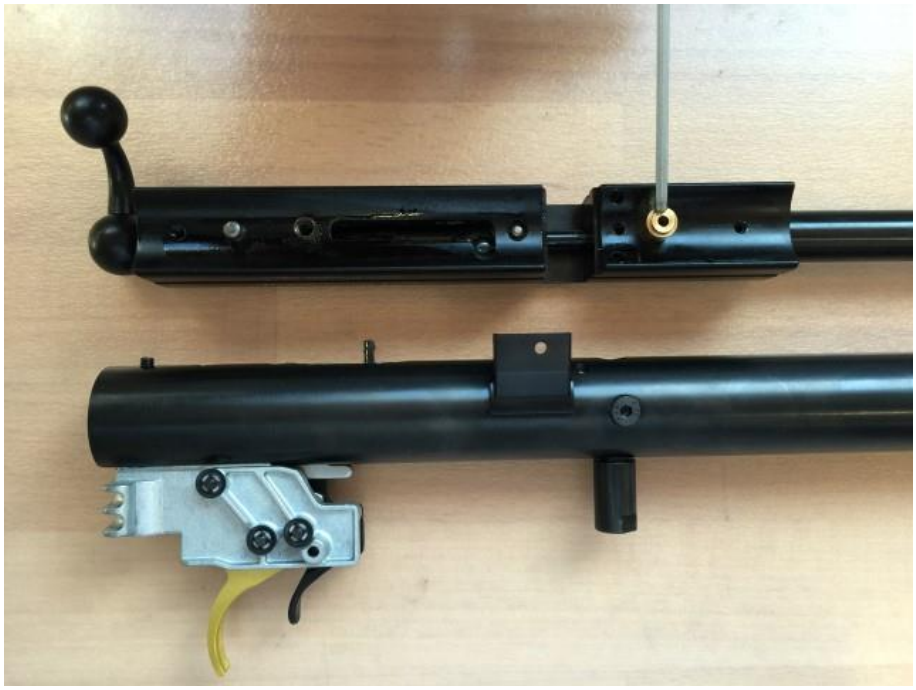
Remove fillcap and unscrew the barrelband

Unscrew the top screws of the breech.

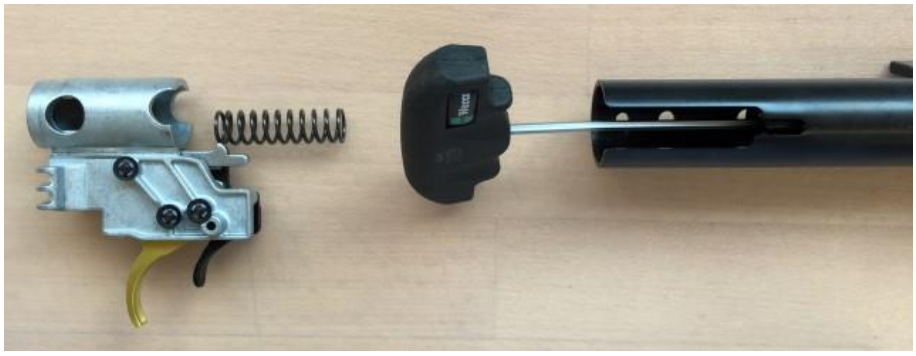


Unscrew the bottom screw what holds the breech.

Below you see the transferport,You can take it out and open the inner diameter to 4-4,2 mm

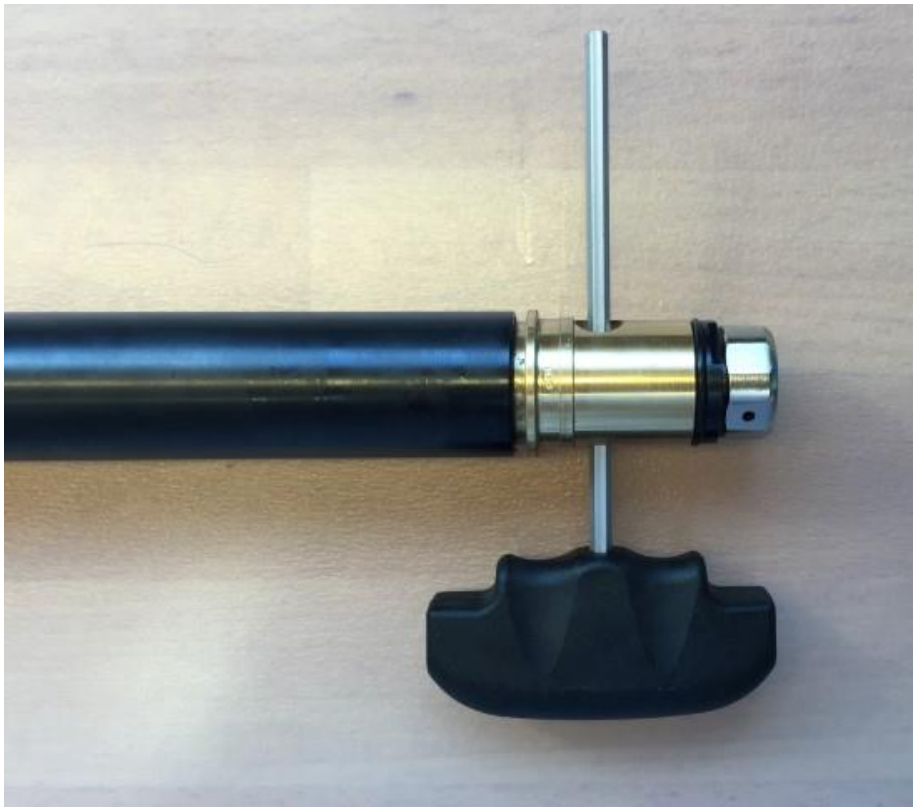


Unscrew the triggergroup and after you have removed it you see an allen bolt inside the hammer, when you loosen it you can take out the hammer latch pin.



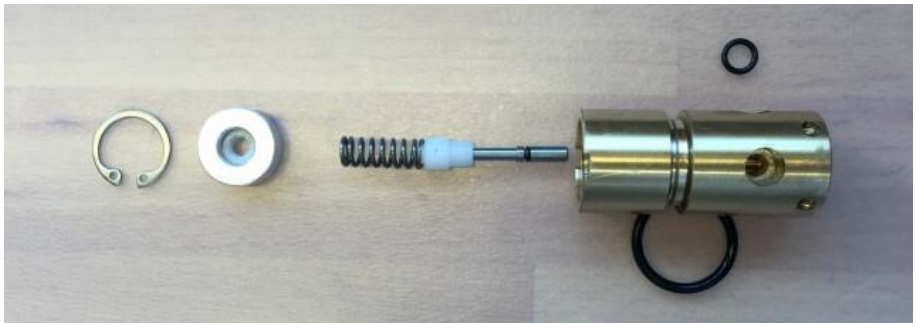
After this you can unscrew the valvehouse

With an allen key or a piece of wood you can easily unscrew the fillcap from the pressure tube.

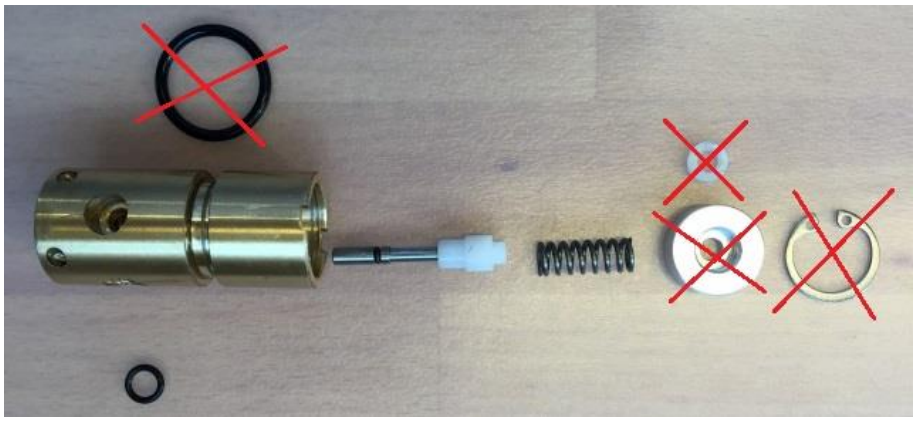


Now you can push out the valve house from the back of the rifle to the front using a rod or a piece of wood.

Remove the C-clip of the valvehouse and you can take apart the valvehouse



You can remove the parts with the red cross below



In this order the parts shall be placed together.

First check the inner walls of the valvehouse with the biggest diameter if it is free of scratches. If not please polish them properly.

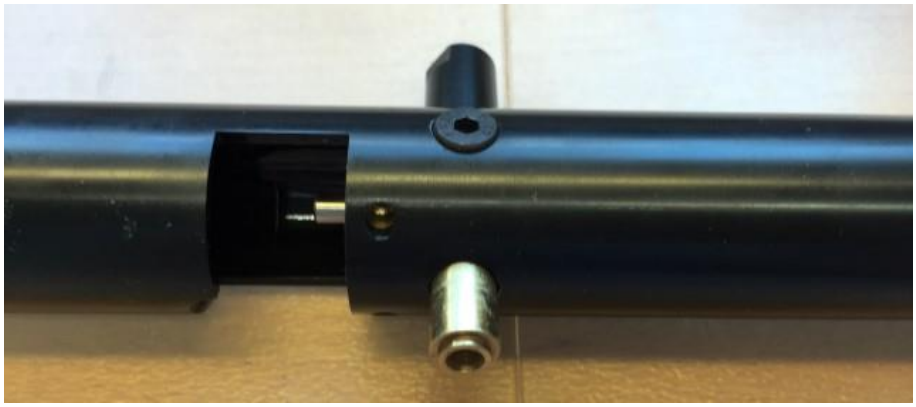
Then place 1 or-ring inside the valvehouse on the bottom

After that carefully push the regulator body CAREFULLY inside the valvehouse. Make sure the valve return spring is in the right place and you can feel the regulator o-ring slides past the C-clip groove.
There should be a small gap between the reghouse and valvebody when ready.
Make sure the tiny 1 mm vent-hole of the regulator is facing the same direction as the transfer port hole of the valve house.

Place the small o-ring of the transferport back into the valvehouse.

Now push the regulator-valvehouse combination into the pressure tube from the fill side.
(do not try to push it in from the trigger-side, the slots in the pressure tube will damage your orings for sure)
You can use a piece of plastic electrical installation tubing so you won't adjust the set-screw of the regulator when pushing it in. Also check the aligning of the holes of the tube and valve-house

Place the transfer port what you have opened up in diameter to 4-4,2 mm back in it's place. Place all three screws back in their place and turn them in. **Tighten them AFTER you have assembled the breech in the right position.**



Follow the BSA stripdown video again in opposite direction to assemble the rifle again. Or use this manual in opposite direction.
After you have done this you are ready! Double check if you have done everything correct before you start using the rifle again!

After asembling the rifle, It might be possible to adjust the rifle powersetting to stay within legal limits. Use the hammerspring tension set-screw inside the hammerhouse to adjust the powersetting.