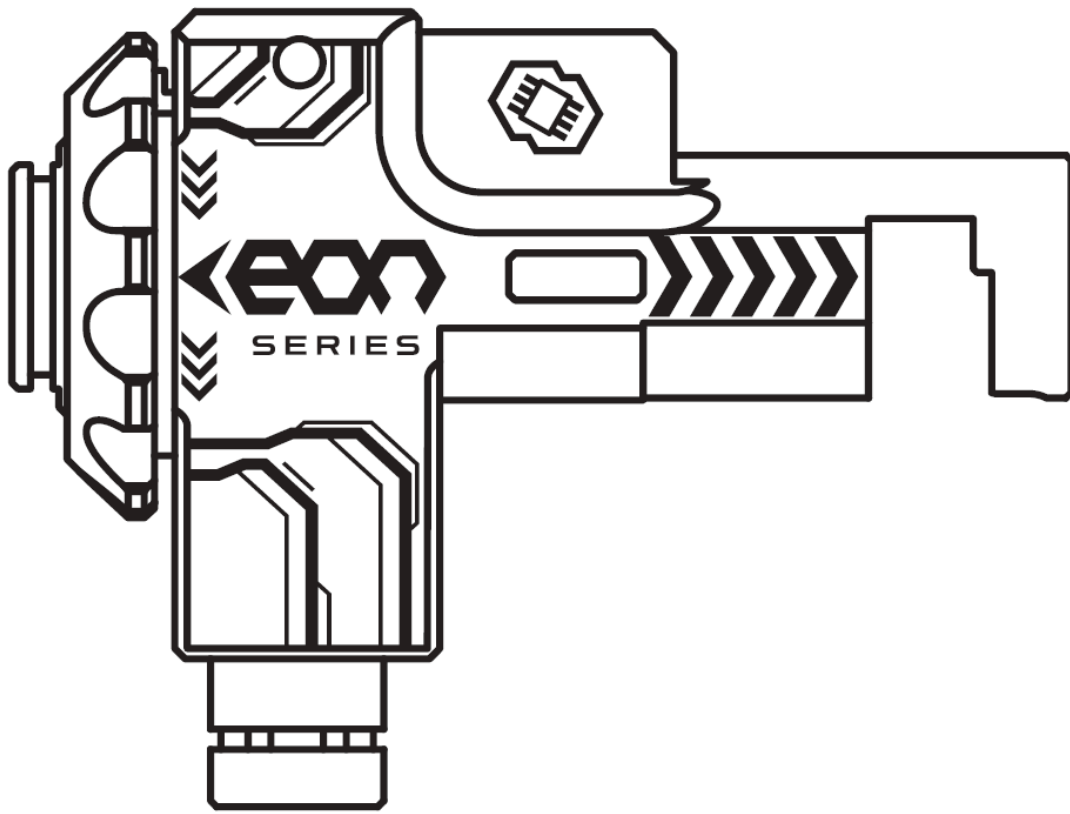


User Manual – EON Hop-Up Chamber

Última actualización 11 septiembre, 2024 • 9 min de lectura

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General Information


Congratulations on the purchase of the new EON Hop-Up Chamber—precision CNC-machined hop-up chamber. It stuns with FPS accuracy and stability, and ensures perfect sealing and BB feed. The revolutionary TDC (vertical from above) hop-up adjustment system always ensures perfect and horizontal placement of the hop-up nub, making the BB trajectory perfectly straight.

Tight tolerances on key dimensions keep the FPS constant and the hop-up system stable. The redesigned c-clip, also CNC-machined from POM material, prevents the barrel from rotating, allowing for simple and error-free installation.

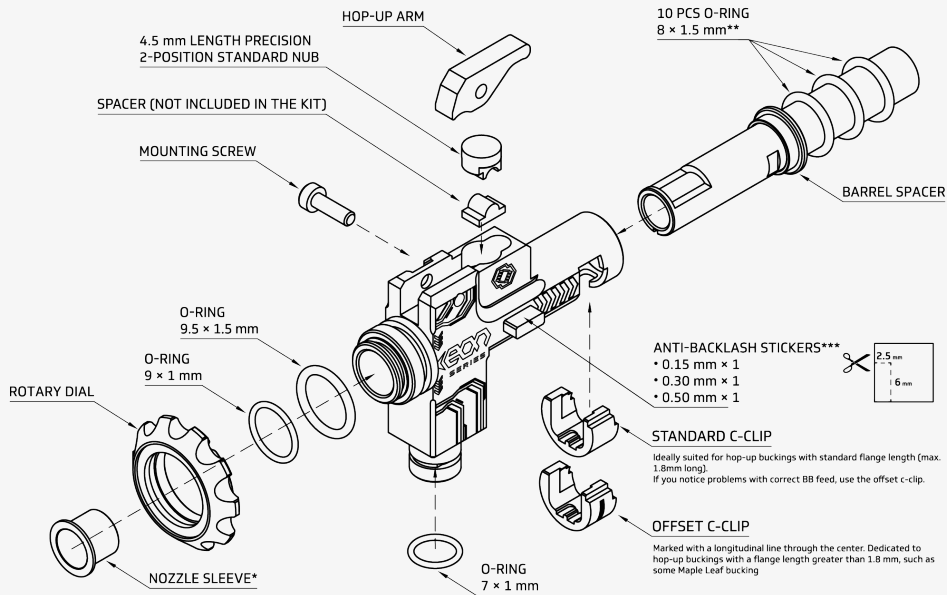
The EON Hop-Up Chamber is dedicated to 21.25 mm nozzles.

 The information contained in this document is subject to change without notice.

 Read carefully before use. Keep for future reference.

 Failing to read this information may void the guarantee!

Device Structure



* The nozzle sleeve can only be used with HPA engines to stabilize the nozzle. It should not be used with AEG replicas. In the case of the HPA PULSAR 5 engine, the nozzle sleeve should not be used together with the purple nozzle. It can only be used with the golden nozzle of the HPA PULSAR 5 engine if there is a midcap syndrome problem. The purple nozzle of the HPA PULSAR 5 engine does not require the use of a stabilizing sleeve in the hop-up chamber. The use of a stabilizing sleeve with the purple nozzle may negatively affect engine performance.

The golden nozzle of the HPA PULSAR 5 engine may require additional stabilization. In this case, it is recommended to use a stabilizing sleeve in the hop-up chamber.

** Adjust the number of 8 x 1.5 mm o-rings to your upper receiver

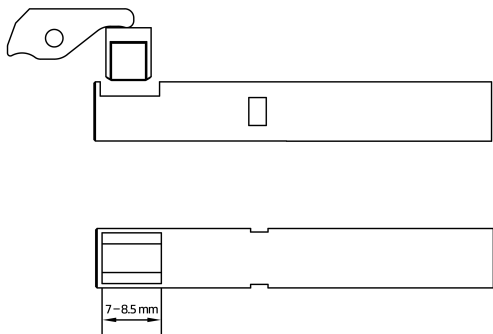
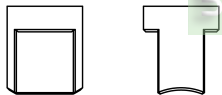
*** Choose the best thickness for your replica

GATE

HOP-UP CHAMBER

1 x CNC POM 6 mm R-HOP TENSIONER

Use only with window width greater than 7 mm in order to prevent collision and damage to the hop-up arm and bucking.



The product Warranty Form is available on our website: www.gatee.eu/warranty

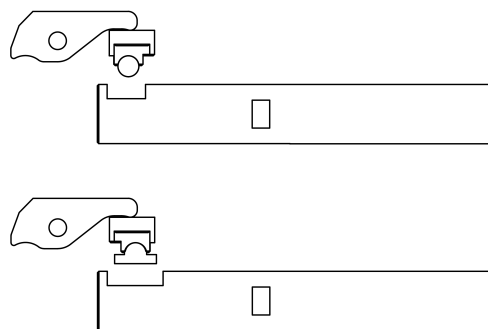


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HOP-UP CHAMBER

1 x CNC POM 4.5 mm UNIVERSAL DOUBLE-SIDED TENSIONER CLAMP (FOR BARRELS WITH STANDARD AND ENLARGED WINDOWS)

The standard tensioner is dedicated for use with both standard and flat hop nubs. For full usage of the flat-hop nub length, flip the standard tensioner 180° in the guide pocket (please see second graphic below).



The Legal Notice is available on our website: <https://help.gatee.eu>



Introductory Information

⚠ Caution

Regardless of your previous experience, follow all safety precautions to prevent any damage to your Hop-Up Chamber.

Caution

Hop-Up Chamber installation requires deep technical knowledge of gearbox internals. To avoid damage, we recommend it to be installed by a skilled person. If, however, you wish to proceed with Hop-Up Chamber installation on your own, you must read this full-length document. Incorrect installation may result in, among others, hop-up bucking or even internal gearbox damage, which is not covered by warranty.

Note

In case you have any difficulties while installing or using this product:

- contact us via <https://help.gatee.eu/>
- send us an e-mail: support@gatee.eu
- join [GATE Airsoft Community Discord Server](#)

Safety Summary

Please read this to ensure safe and correct use. Retain for future reference. The information contained in this document is subject to update without notice. When using a product listed here be sure to obtain the latest specifications.

For your safety, **we recommend this product to be installed by a skilled person.**

Warning

Situations that may cause injury to yourself or others.

Caution

Situations that may cause damage to your device or other equipment.

Note

Notes, usage tips or additional information.

Warning

This device is not a toy and may not be operated by people (including children) with limited physical or mental abilities. They may use the device only under the supervision of people responsible for their safety.

Warning

Before starting the installation process, make sure that your AEG magazine is empty and there are no BBs in the replica.

Warning

When installing the device, every person within the replica's range must wear personal protective equipment.

Warning

This equipment is not suitable for use in locations where children are likely to be present.

Warning

Persons under 18 years of age ought not stay unattended near the device during the installation or servicing of a device installed in an ASG replica.

Warning

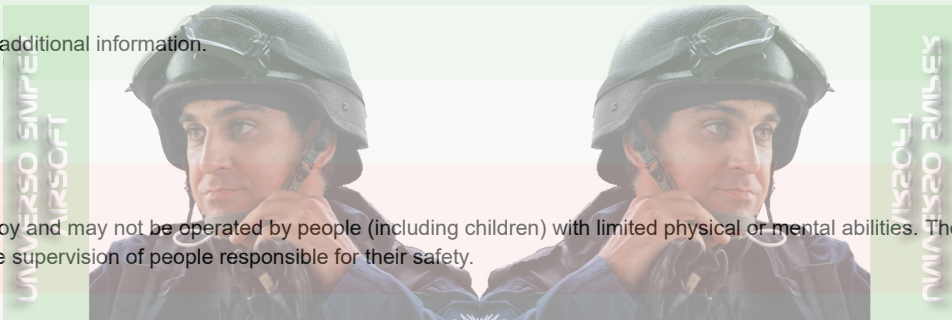
Persons under 18 years of age ought not stay unattended near an ASG replica ready for use with the device attached to it.

Warning

Persons under 18 years of age are not allowed to install or commission the device in an ASG replica.

Warning

Persons under 18 years of age are not allowed to service this device.



Warning

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the device, its parts or accessories.

Warning

Do not dispose of your device in a fire.

Caution

The **nozzle sleeve** can only be used with HPA engines to stabilize the nozzle. It should not be used with AEG replicas. In the case of the HPA **PULSAR S** engine, the nozzle sleeve should not be used together with the **purple nozzle**. It can only be used with the **golden nozzle** of the HPA **PULSAR S** engine if there is a midcap syndrome problem.

The **purple nozzle** of the HPA **PULSAR S** engine does not require the use of a stabilizing sleeve in the hop-up chamber. The use of a stabilizing sleeve with the purple nozzle may negatively affect engine performance.

The golden nozzle of the HPA **PULSAR S** engine may require additional stabilization. In this case, it is recommended to use a stabilizing sleeve in the hop-up chamber.

Note

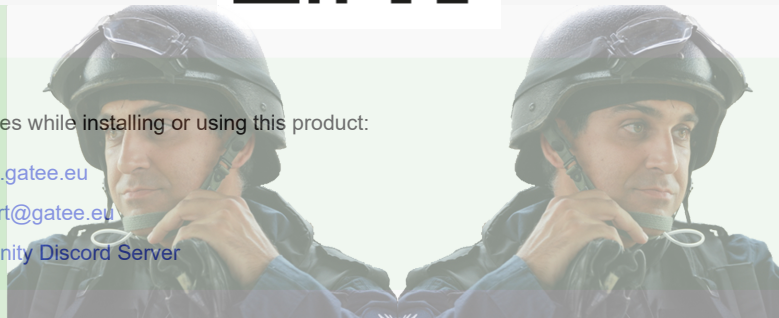
The product Warranty Form is available here: <http://www.gatee.eu/warranty>.



Note

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Installation Instruction

1. Remove all components from the package.



2. Prepare the chamber body and the rotary dial.



3. Gently lubricate the o-ring of the rotary dial with grease (e.g. silicone).



4. Push the rotary dial until it rests against the chamber body. This may require more force.



5. Disassemble your current chamber and remove its barrel.



6. Clean the barrel with a cleaning pad or a wipe.

7. Prepare a hop-up bucking and a tensioner (you can use the same parts or new ones).



8. Put the hop-up bucking on the barrel (pay attention to the stabilizing groove in the barrel—the elongated protrusion in the bucking is supposed to fit perfectly into it).



9. Lubricate the bucking gently with grease—just like when installing the rotary dial (you can use the same grease).



10. Spread the grease on the outer surface with your fingers, leaving a thin layer of grease.



11. Insert the bucking into the chamber with gentle back and forth movements until it rests on the bottom of the socket in the chamber.



12. In the final stage, make sure the bucking does not chafe against the tensioner window. If you are unable to get the barrel into place, carefully lubricate the bucking again and try once more. If the problem persists, try using other hop-up bucking because this one is too large in diameter.



13. Set the barrel straight in the chamber—with the incision on the barrel perfectly in the axis of symmetry of the chamber.



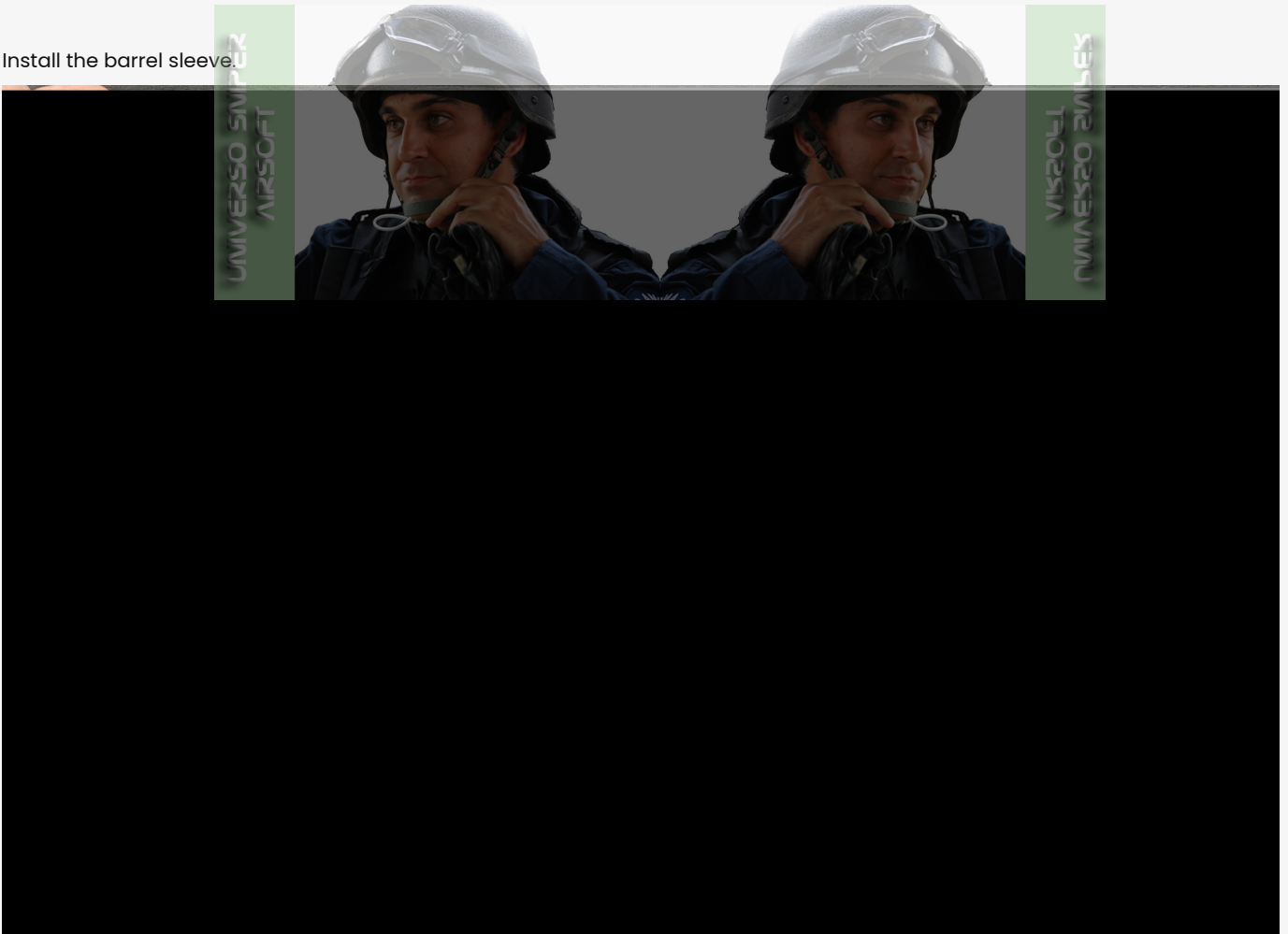
14. Install the barrel latch (this may require gently moving the barrel back and forth)—for bucking with a longer flange, (such as Maple Leaf) use a latch with a longitudinal incision.



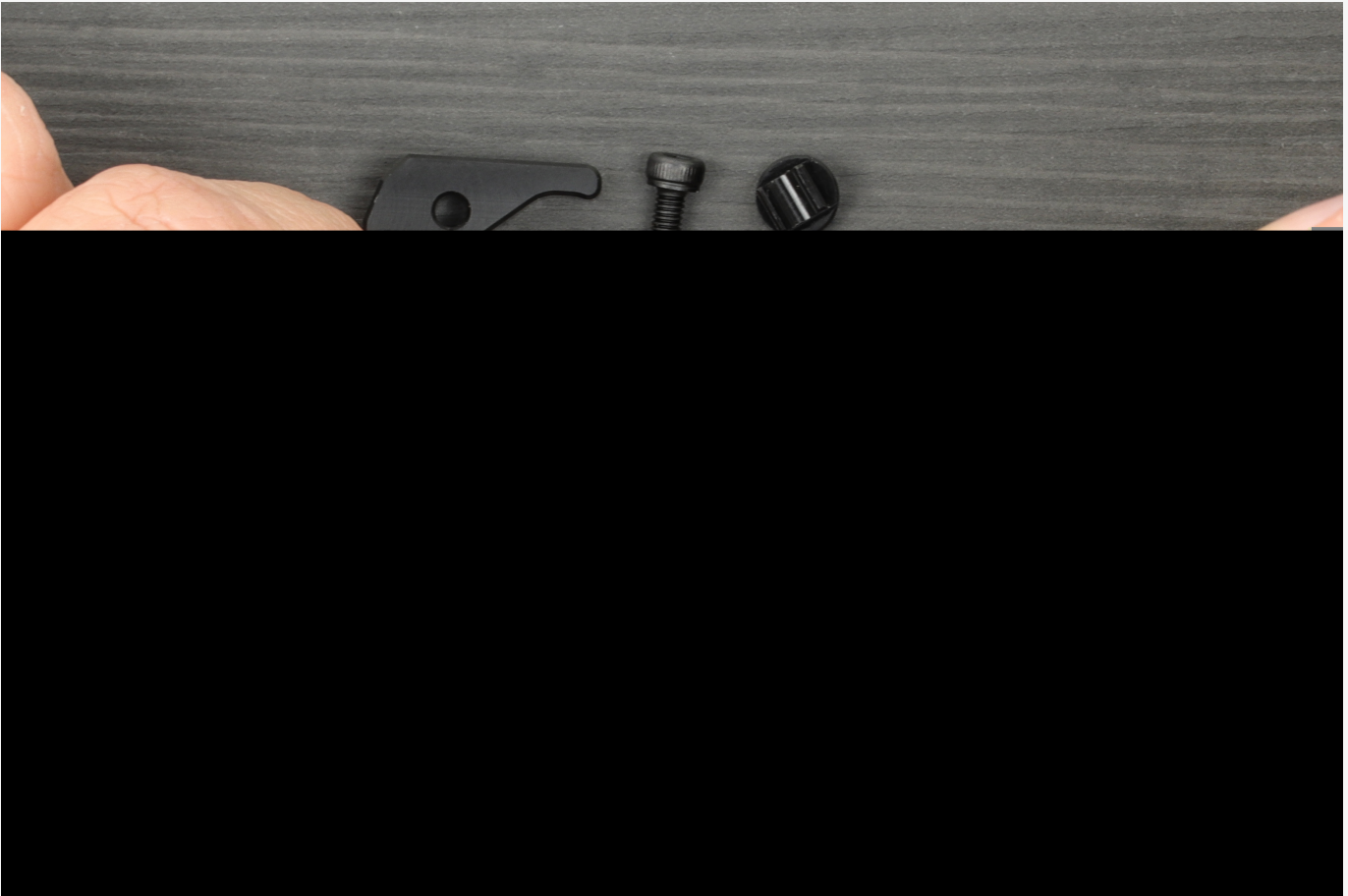
15. If the latch is in place you will hear a distinct click.



16. Install the barrel sleeve.



17. Place the tensioner in the tensioner socket.



18. Place the nub in the guides—if using a standard tensioner, install the nub as shown. For FLAT/BRIDGE type tensioners with an enlarged window in the barrel, rotate the nub 180°.



19. Place the hop-up arm so that one end rests on the rotary dial and the other on the tensioner nub.



20. Screw in the mounting screw.



21. Check the rotary dial range and that everything has been installed straight. The nub is supposed to line up horizontally. If you see any deviation, correct the installation of the barrel and the bucking in the chamber.



22. Place some compression o-rings on the barrel.



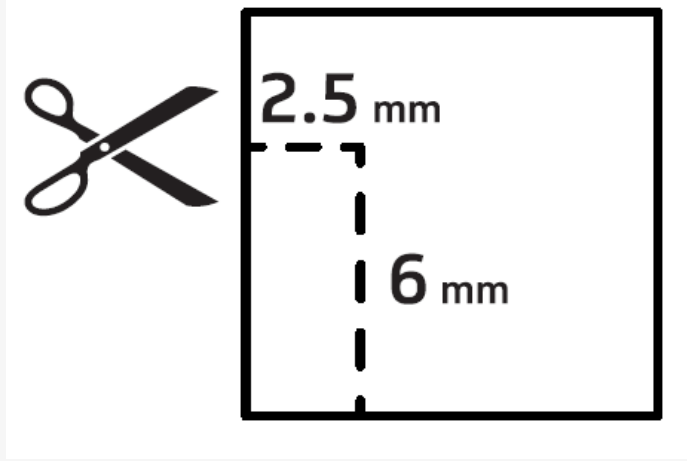
23. Bring the barrel with the chamber to the front wall of the barrel. The distance between the barrel and the chamber should look more or less as in the photo below.



24. If too many o-rings have been used and in your replica the chamber sticks out more—remove one or more o-rings. Adjust the number of them so that it takes force to push the front pin in, and the chamber has no back and forth backlash. The number of o-rings may vary depending on the manufacturer of the replica.

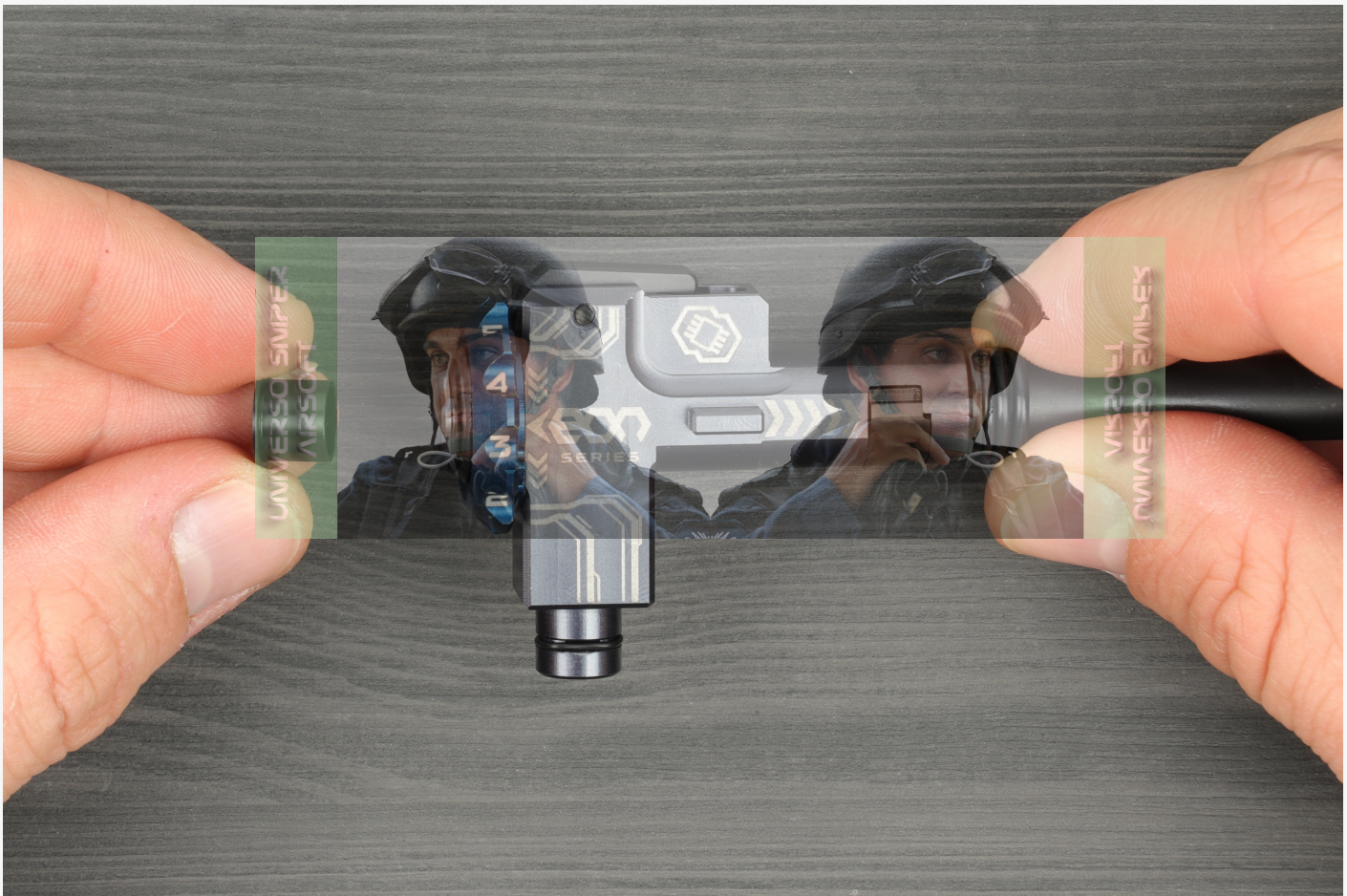


25. If in your replica the chamber has a large deviation in axial alignment (sideways), then the stabilizing wings are too loose (this will vary depending on the manufacturer of the replica). To eliminate this backlash, use backlash erasing stickers. Cut them according to the drawing and then stick them on the surfaces of the wings.



i The end of the part for AEG replicas—the chamber is ready for use in an AEG replica. Below you will find a step describing the installation of the nozzle sleeve with HPA engines.

Some HPA engines have an excessively loose nozzle, which negatively affects the performance of the replica and intensifies the mid-cap syndrome. It is then worth using the nozzle sleeve included with the EON Hop-Up, which minimizes this phenomenon.

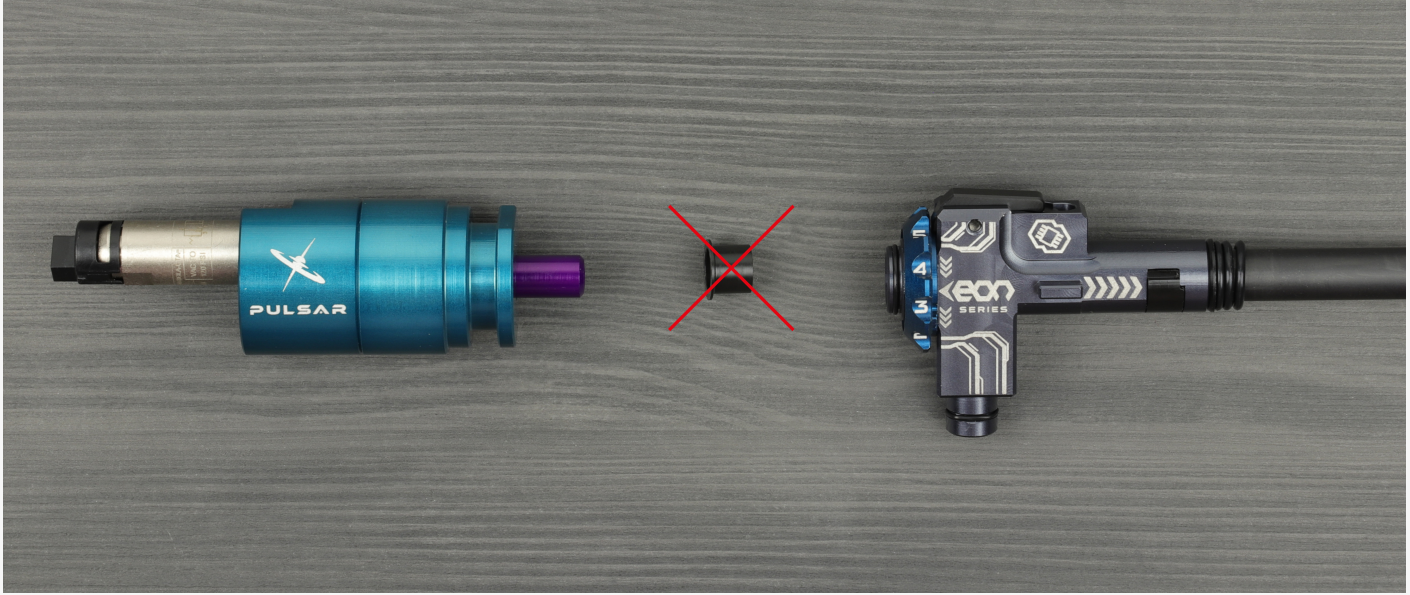


⚠ Caution

The **nozzle sleeve** can only be used with HPA engines to stabilize the nozzle. It should not be used with AEG replicas. In the case of the HPA **PULSAR S** engine, the nozzle sleeve should not be used together with the **purple nozzle**. It can only be used with the **golden nozzle** of the HPA **PULSAR S** engine if there is a midcap syndrome problem.

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The **golden nozzle** of the HPA **PULSAR S** engine may require additional stabilization. In this case, it is recommended to use a stabilizing sleeve in the hop-up chamber.



Technical Specifications

| | |
|--|--------------------------|
| Hop-Up Chamber Weight | 15 g |
| Dimensions (Length x Width x Thickness) | 52 mm x 39 mm x 16.8 mm |
| Materials Used | Aluminium, POM |
| Operating Temperature Range | min. -15° C, max. +50° C |
| Relative Humidity | ≤ 80% |

Legal Notice

Please read this Legal Notice before operating your device and keep it for future reference.

This document contains important terms and conditions with respect to your device. By using this device, you accept those terms and conditions.

Exclusion of Liability

GATE Enterprise sp. z o.o. sp. k. are not liable for any damages, injuries or accidents of any kind resulting from the use of this product or airsoft gun with the product installed, including (but not limited to) incidental or intentional damages to airsoft gun, airsoft gun parts, batteries and gearbox internals.

Disclaimer

GATE Enterprise sp. z o.o. sp. k. take no responsibility regarding compliance of the product with the requirements of any law, rule or airsoft restrictions pertaining thereto.

Intellectual Property

Intellectual Property owned by GATE Enterprise sp. z o.o. sp. k., including (but not limited to) devices, accessories, parts, software, documentation, is proprietary to GATE Enterprise sp. z o.o. sp. k. and protected under Polish laws, EU laws and international treaty provisions. You may not violate the rights of the Intellectual Property and you will not prepare derivative works of or reverse engineer the device or software. No ownership in the Intellectual Property is transferred to you.

GATE Limited Warranty Policy

GATE Enterprise sp. z o.o. sp. k. warrant that their product is free from manufacturing and material defects at the date of purchase and for a non-extendable period of two (2) years from the date of purchase. This Limited Warranty is conditioned upon proper use of the product by Purchaser.

1. This Limited Warranty is valid provided that the owner provides a proof of purchase and a properly completed warranty form.
2. This Limited Warranty does not cover: (a) defects or damage (e.g., mechanical, thermal or chemical) resulting from accident, misuse (misinterpretation of the instructions), abuse, neglect, unusual physical, electrical or electromechanical stress, water immersion, repairs or structural modification of any part of the product, or (b) the product that has its serial number removed or made illegible; (c) defects or damage from improper operation, maintenance or installation; (d) installation of the products.
3. Requests for warranty are processed as soon as possible, not exceeding 7 (seven) working days. The company's obligation under this Limited Warranty shall be limited to providing replacement of part(s) only.

Product disposal instructions

The symbol shown indicates that the product can be recycled.



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👍 Aún no le ha gustado a nadie

