

Speeder for Perun V2

Installation manual



Speeder is an accessory designed for use with Perun drop-in product for V2 gearbox, like Perun V2 Hybrid and HPA Trigger Board V2. It is meant for speedsoft and CQB players, as well as any other airsoft enthusiast who wants to set his trigger exactly according to his taste thanks to adjustable overtravel, pretravel, spring tension, and break (including no break at all). It also makes the trigger more sensitive.

Reading this manual will help you fully exploit this product's potential and in case of encountering any problems, you can look for solutions to them here.

Manufacturer:

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1. Compatibility

Speeder was positively tested with combinations of following gearbox shells and triggers.

Gearbox shells: A&K, Bolt, Classic Army, Cyma, DE, King Arms, Krytac, KWA (2GX version), G&G, G&P, P&J, Retro Arms, Specna Arms, SRC, VFC.

Triggers: A&K, Classic Army, G&P, Maxx, P&J, Retro Arms, SHS.

We cannot guarantee, that all products from these manufacturers will always work properly with the Speeder, because of changes made to the parts over time. This list also does not mean, that Speeder will not work with gearbox shells and triggers made by other manufacturers. We just did not have the chance to test it.

Speeder works with back and front wired versions of Perun V2 Hybrid. In front wired variant, wires can be channeled underneath it through a dedicated channel.

With Speeder installed, the two-stage trigger functionality of Perun V2 Hybrid is no longer functional!

2. Warranty and liability limitations

Warranty

We offer a 24-month warranty on this electronic trigger unit from the date of retail purchase. This warranty covers defects in materials or workmanship under normal use conditions. The warranty does not cover:

- Damage caused by improper installation, misuse, or neglect.
- Any alterations, modifications, or repairs made by unauthorized persons or third-party services.
- Damage resulting from the use of third-party components or accessories not approved by the manufacturer.
- Wear and tear due to regular use or external factors such as extreme conditions.
- Any incidental, consequential, or punitive damages, including damage to the airsoft replica or any other parts such as the gearbox, motor, or batteries, arising from improper use of the trigger unit.

Claims Process

To submit a warranty claim, contact our customer service team at info@perunairsoft.pl with a detailed description of the defect. If your claim is approved, we will repair or replace the unit at our discretion. This warranty does not cover shipping costs for returning the product. This warranty gives you specific legal rights, and you may have other rights which vary depending on your region.

Limitation of Liability

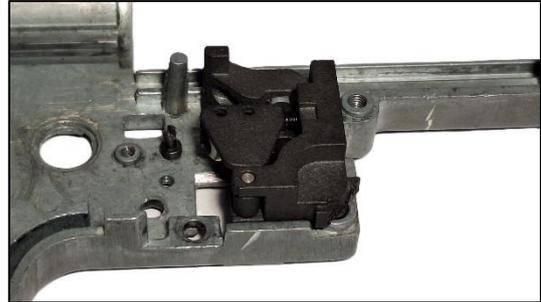
The manufacturer and its affiliates are not liable for any personal injury, damage, or loss of property arising from:

- Improper installation or use of this product.
- Failure to follow the instructions provided in this manual.
- Use of the product in a manner not intended or recommended by the manufacturer.

3. Installation

3.1. Mounting speeder inside the gearbox

To install the Speeder, simply remove V2 Hybrid's magnet holder from the trigger, as well as the mechanical safety lock from the gearbox. Insert the Speeder as shown on the photo. There may be some resistance during the assembly of both gearbox halves, because Speeder has to remain absolutely still inside the shell to provide a pleasant trigger pull, therefore it was made to fill the gearbox space as tightly as possible.



3.2. Perun V2 Hybrid's trigger sensitivity setting

Once the Speeder is installed in the gearbox, trigger sensitivity has to be set to highest or second highest lever for both selector positions, otherwise trigger pulls will not be registered. Note that trigger sensitivity will be higher than with standard V2 Hybrid magnet holder.

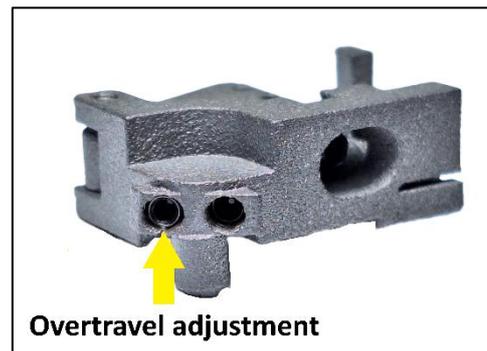
4. Adjustment

4.1. Overtravel

Overtravel adjustment screw stops the trigger directly, ensuring nice metal-on-metal feeling when the end of travel is reached. Overtravel screw is shown on the photo.

Turning the screw to the right decreases the movement range of the trigger. Turning it to the left allows for further movement.

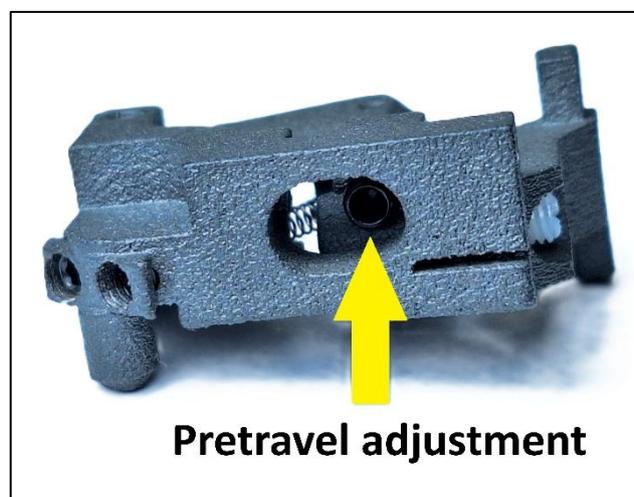
Overtravel can be adjusted with closed gearbox.



4.2. Pretravel

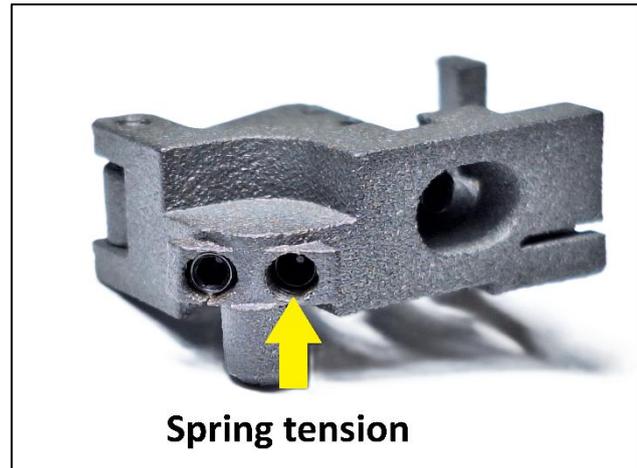
Pretravel is adjusted using screw shown on the photo. Turning the screw to the right decreases pretravel. Turning it to the left increases it. Pretravel adjustment cannot be done with closed gearbox.

⚠ *It is very important not to turn the screw too far right, so that Speeder's lever with magnets would lean forward even when at rest! This will reduce trigger sensitivity. The break force adjustment screw (regardless whether the plastic or steel one is installed) should always rest on the magnet when the trigger is not being pulled.*

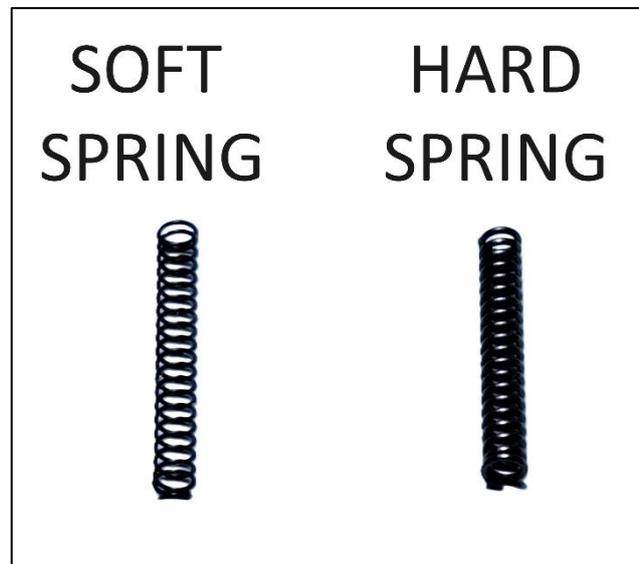


4.3. Spring tension

The amount of force that the spring exerts on the trigger can be fine adjusted. Turning the spring force adjustment screw to the right increases spring tension. Turning it to the left decreases it.



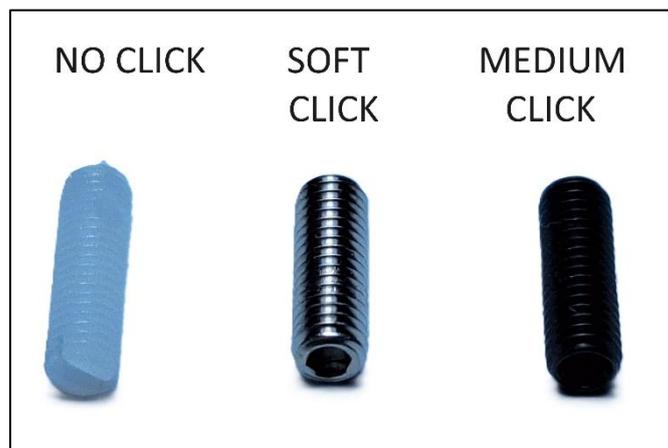
Two springs of different hardness are available. They can be changed by removing the spring tension screw and replacing the screws through the created opening.



4.4. Break force adjustment

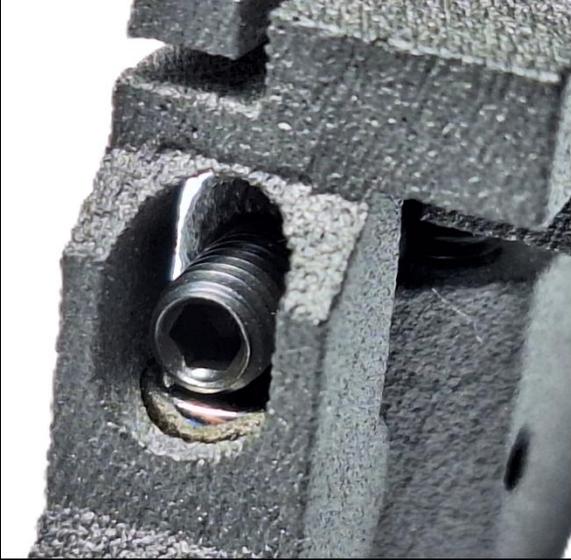
Speeder V2 can be configured to have a moderate to low break force (wall), or none. For that purpose it is delivered with three screws, made out of:

- 1) plastic (no click),
- 2) low-magnetic steel (silver; soft click, akin to smaller electronic tactile microswitches),
- 3) high-magnetic steel (black; medium click, similar to softest setting of Perun Clicker).



Steel screws can be further fine adjusted to provide a heavier or lighter break by setting them lower or higher, thus changing their contact area with the magnet.

Stronger break



Weaker break

