PHOENIX HOP
OWNER'S MANUAL

WOLVERINE AIRSOFT

www.wolverineairsoft.com

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Don't Forget to Register Your Warranty!

Your PHOENIX Hop is backed by Wolverine Airsoft's limited warranty. Scan the QR code or visit www.wolverineairsoft.com/warranty to read our full warranty and register your PHOENIX Hop.

Getting Started

Your PHOENIX Hop is a precise instrument containing many individual components. Before you begin, please see the diagram below and familiarize yourself with each component.

You will also need...

Bucking
We recommend the 70 degree Maple Leaf Macaron Bucking for the PHOENIX Hop.

Nub

Installation

Fit the bucking onto the rear of the inner barrel, making sure the ridge on the inside of the bucking aligns with the groove in the inner barrel.

While lubrication is not necessary when using the recommended bucking, some thicker buckings may require it. Only apply a small amount to the outside of the bucking, being careful not to get lubricant inside or on the lip.

Insert the inner barrel with bucking into the PHOENIX Hop. The groove on the inner barrel should be facing down and the two indentions should align with the barrel window.

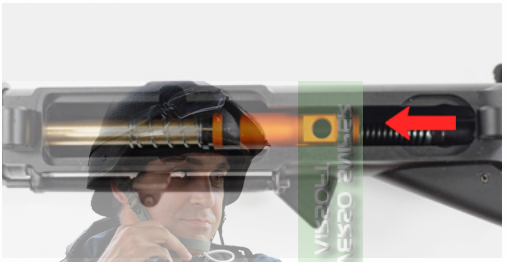
Insert the C-clip into the barrel window so that it locks into the indentions. Slide the Tapered Locking Ring down the front of the barrel and secure it firmly inside the PHOENIX Hop.

Insert the nub into the hop up arm as shown and close arm to hold the nub in place.

Fit one side of the Hop Adjustment Wheel onto front O-Ring as shown, then press the wheel fully into place. Make sure the hop up arm fits into the channel in the back of the wheel.

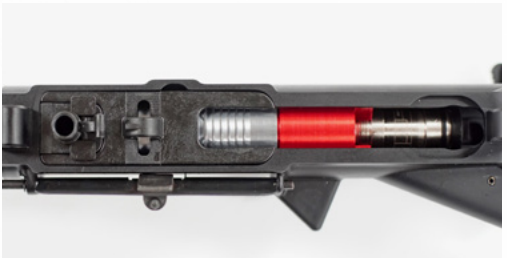
Using the Tension Adjustment Tool, adjust the bucking lip so that a BB will not fall directly through the hop, but can be pushed through with minimal force. See the Tuning section for more information.

Now that it's fully assembled, install the PHOENIX Hop, inner barrel and hop spring into the MTW upper receiver as shown.



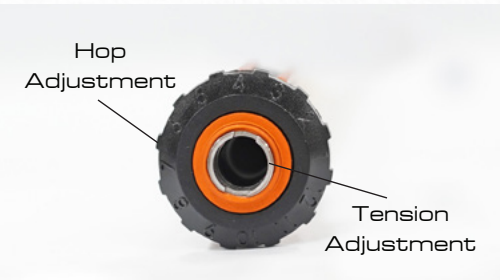
Install the engine so that the nozzle fits into the PHOENIX Hop. Use the engine to push the hop and inner barrel forward into the outer barrel.

Secure the engine and hop in place with the feed tube assembly.

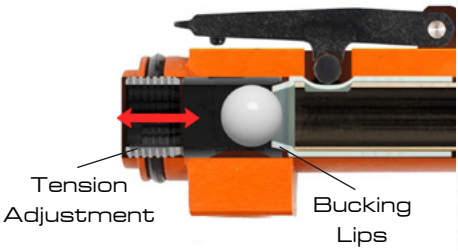


Tuning

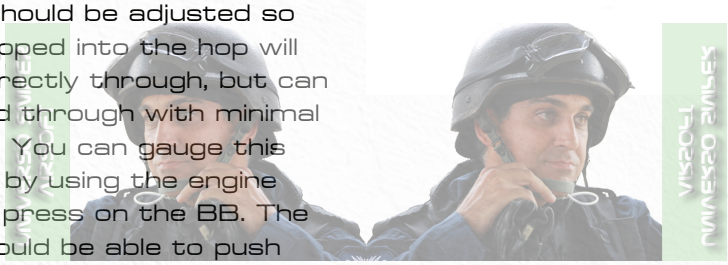
The PHOENIX Hop has two adjustments. The Hop Up Adjustment Wheel controls the hop, while the Tension Adjustment Sleeve controls the bucking lip tension.



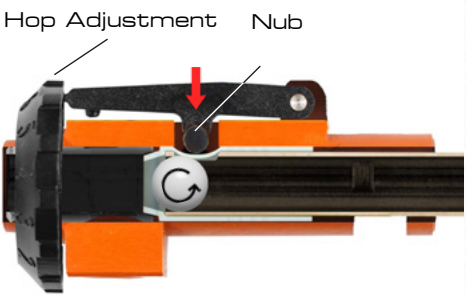
When the BB is first loaded into the hop, it will come to rest against the bucking lips. The tension adjustment screw will move the sleeve forward and backwards, applying pressure to the bucking lips.



Tension should be adjusted so a BB dropped into the hop will not fall directly through, but can be pushed through with minimal pressure. You can gauge this pressure by using the engine nozzle to press on the BB. The nozzle should be able to push the BB past the bucking lips without compressing.



When the BB is fired, it will make contact with the bucking and nub, applying backspin. Once the BB leaves the barrel, this backspin will cause the BB to hop.



Rotating the wheel counter-clockwise will increase pressure on the nub and increase hop. Rotating the wheel clockwise will decrease the hop.

This setting can be adjusted easily when the MTW is in use through the ejection port.

Troubleshooting

Symptom	Possible Solution
Midcap Syndrome [Hop decreases as magazine depletes]	-Decrease bucking lip tension when using a traditional hop. -Increase bucking lip tension when using a R hop, stock hop or flat hop.
BBs are double feeding	-Increase bucking lip tension.
BBs are jamming or firing too slowly.	-Decrease bucking lip tension.
Inconsistent hop	-Increase bucking lip tension.

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