Exortium 9/45 Product Manual

Thank you for your purchase of a Replicator suppressor! We are proud to offer the cutting edge in additive manufacturing (3D-printing), providing one of the best, strongest, most advanced suppressors in the industry.

Our products are different: **1)** Every suppressor is threaded with the industry standard HUB thread (1.375x24). No vendor lock-in. **2)** We print and finish our own product. Almost no one does this, and as a result we have the best looking, toughest, highest quality prints. **3)** We use a material (Super-Nickel Titanium alloy, or proprietary Inconel variant) that can only be additive manufactured (3D printed) and is designed for this application - no internal coating to fail and retains about 80% strength at max operating temperature. **4)** One piece prints allow us to make full-auto rated suppressors that are also some of the lightest additive manufactured products in the industry. There are no welds to fail, nor are there 2 or 3 metals expanding and contracting at different rates

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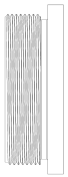
Included Components

Suppressor

Wrench

Direct Thread Adapter



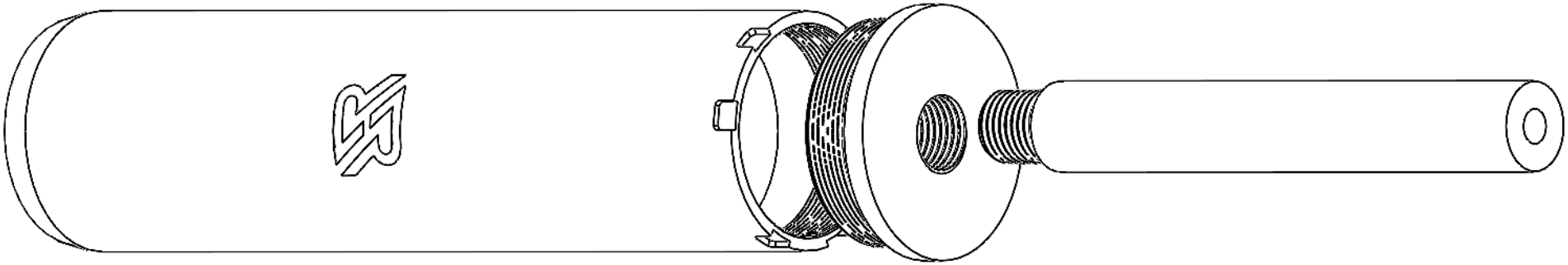
Before First Use (optional):

Note: Many users do not require this step, as our material resists fouling and there is no internal coating to fail. If you plan on shooting many thousands of rounds, you may measure weight and/or volume. Build-up varies from host, caliber, ammunition etc., but most users can get anywhere from 3,000-10,000 rounds before cleaning is beneficial

1. Procure an accurate scale and/or graduated cylinder for measuring purposes. Weigh product with scale or determine manufactured inner volume using liquid measure. Record measurement(s). Every 1k-5k rounds, repeat measurement to determine how much carbon is being retained (increase in weight/decrease in fluid volume)

2. If suppressor has built up 0.5-1 oz or 14-28 grams of weight, or 5-10% of overall volume, cleaning is recommended

Mounting Procedure



Note: mounting should always be performed by a licensed gunsmith. Improper mounting can lead to serious injury or death and suppressor damage. Always verify the mount is secure before shooting. Verify thread to barrel and thread to suppressor are secured with a thread locker like Rocksett or Loctite etc. and cured for the full cure time (For instance, Loctite Red 271 Requires 24 hours for a full cure time with no oxygen reaching the liquid)

1. Before Mounting, verify the host is unloaded (host chamber is empty and no magazine or ammunition are present)
2. Clean all thread surfaces with solvent and verify no oil or debris is present
3. Use thread locker on threads to suppressor and threads on barrel. Follow manufacturer instructions for your choice of thread locker
4. If using a third-party HUB mount/QD mount instead of the supplied direct thread mount, follow all manufacturer instructions. If you are timing a muzzle device do NOT use crush washer when installing any muzzle devices for use with a suppressor
5. Always verify with a straight bore alignment rod that the installation is correct and the alignment rod is not hitting any baffles

Removal Procedure

1. Before Removal, verify the host is unloaded (host chamber is empty and no magazine or ammunition are present)
2. For direct thread adapter, follow manufacturer's thread locker instructions (For instance, heating to specified temperature and then unscrewing adapter) and unscrew adapter from barrel and/or suppressor
3. For third-party HUB mount/QD mounts, follow manufacturer's instructions

Usage Notes

1. Any time a mounting procedure has been performed, check that the suppressor is aligned correctly and that the threads are not loose
2. During use/in between mag changes, verify suppressor threads and barrel threads are not loose. If threads are loose, perform mounting procedure with thread locker again
3. If using a third-party HUB mount, verify that the device is locked/tightened properly and not backing off according to manufacturer's instructions, including any instructions that may include use of oil or anti-seize compound on the QD mechanism
4. Baffle strikes and impacts, leading to suppressor damage, may occur if:
    - Mounting solution is not properly achieved or defects/damage exist in mounting solution
    - Mounting solution is loose or not locked properly
    - Improper caliber mounting solution is used
    - Barrel is damaged, or Incorrect ammunition for host is used

Usage Notes (continued)

- Ammunition is of poor quality and jacket separation happens
- Ammunition is not jacketed

5. While the material we use has a safer failure mechanism (usually deformation instead of cracking) than most other metals, do not use a damaged suppressor. Damage due to strikes can deform baffles. Damage due to overpressure can create bulges. Always have a qualified gunsmith verify function. Contact Replicator if damage occurs

Cleaning

- We recommend cleaning every 3-10K rounds (depending on barrel length, caliber, ammunition powder, and other factors) in an ultrasonic cleaner with brake cleaner, though care should be taken to only soak for minimum time for cleaning results and may affect the Cerakote finish. You may also use other cleaning products and methods like soaking for 1-2 days in solvents or cleaning products that are safe for use with Cerakoted products. This includes Simple Green, Purple Power, CLP, Micro-90. Many products are now out on the market specifically made for suppressor cleaning
- Verify cleaning agent is in all internal chambers and no air is present on the inside of the suppressor. Make sure to flip the suppressor end over end and rotate many times when submerged in the cleaner. A jar with a lid may be helpful when performing this operation
- Once cleaning is completed, drain all liquid, blow out with compressed air, and shoot within 30 minutes
- Note: The use of cleaning patches and tumblers should not be used, as they may become lodged in the internal features and go unnoticed before firing. Never fire through an obstructed suppressor
- Note: The use of cleaning solvents, citric acids, and CLR can cause discoloration, abrasion, or corrosion on some muzzle devices. You may clean often to avoid difficult-to-remove debris, and use the most gentle cleaning solution possible

Specifications

Caliber	9 mm/.45 Caliber	Rating	Full-Auto
Weight	8.3/9.1 oz	Pressure Rated Up To	9 mm/.45 ACP
Diameter	1.5 in	Mounts Tested	Replicator Direct Thread Adapter Jmac Customs HD 3-Lug Adapter YHM HD 3-Lug Adapter Resilient Titanium Tri-Lug YHM Nielsen Booster Hub Adapter YHM-2055 Resilient Titanium Booster Housing
Length	6 in		
Temp Rating	Suggested 1200F or lower for heat transfer to mount and barrel. 1500F Max suppressor temp		

Note: We have tested versions of third-party adapters listed and have not had serious problems with them. We cannot guarantee these designs will work in the future due to changes in manufacturing or quality control.

Hosts: The Exortium 9 is a purpose-built pistol suppressor and can be mounted on 9 mm PCCs/PDWs and pistols. It may be direct threaded onto PCCs or a third-party tri-lug HUB mount may be purchased and taken on and off any tri-lug barrel. Semi-automatic pistols require a Nielsen/Booster device and you may find that you need to keep the booster lubricated and some underpowered ammo may not cycle the firearm. Red dot on pistols recommended for best aiming solution.

We truly appreciate your business and trust. Please be safe, responsible, and store your firearms properly. Let's continue to build the 2A community up by being good examples and teaching others about our inalienable rights.

Contact Us

support@replicatorusa.com - (877) 803-1337 ext 2 - Limited Lifetime Warranty on website