

MSX **SUPPRESSORS**

BY MAXIM DEFENSE



MS:22 OPERATOR'S MANUAL



MAXIM
DEFENSE®

Maxim Defense Industries, LLC was born with the mission of being a 21st century defense development company striving to give the military and law enforcement the next generation of tools and equipment that exceed in today's extreme environments.

Our mission is focused on the Special Operation Forces community and developing products that are purpose designed and duty built to meet or exceed demanding challenges they face in this dangerous world.

Our development efforts are focused on servicing this community, but we are also committed to our commercial clients and customers, for without their support we could not achieve our mission of helping those that are down range and in harm's way.

At Maxim Defense we are dedicated to the design and production of only the highest grade in performance firearms and to protect you, who protect us and our liberties selflessly every day.

Michael G. Windfeldt
President & CEO
Maxim Defense Industries LLC



MSX **SUPPRESSORS**

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Before using this suppressor, be certain you have read and understand this manual in its entirety.

Warning: Because sound suppressed weapons make less noise than non-suppressed weapons, it is easy to forget they are still firearms. It is vital importance to remember that a sound suppressed firearm is just as dangerous as a non-suppressed firearm, and the same safe handling requirements apply.

WARRANTY STATEMENT

Warning: Failure to follow installation and maintenance instructions detailed in this manual can result in potentially serious injury to the user and damage to the weapon. Firearm sound suppressors are user attached firearm muzzle devices, and as such are subject to improper attachment unless the proper procedures outlined in this manual are followed.

WARNING: suppressors are VERY HOT under fire. Never attempt to see if the suppressor is tight soon after it has been fired, as there is nothing that can protect your hand while grabbing a metal object that is as hot as a suppressor can get. It is always safest to allow the suppressor to cool all the way to room temperature to check that it is still torqued in place.

MANUFACTURER'S DISCLAIMER

The manufacturer is not responsible for improper usage of this product. This product is potentially dangerous, and as such it is the user's responsibility to understand and implement its proper use. If you do not understand the instructions in this manual, please contact the manufacturer for further clarification.

CAUTION: Before performing any maintenance operation, always remove the magazine from the firearm, open the action, and visually ascertain that the chamber is empty, and the weapon is unloaded. Failure to do so can result in potential for serious injury to the user and others.

Always read the warning label on any cleaner or solvent and remember that virtually all solvents are inherently dangerous and potentially toxic. Always use adequate ventilation and both skin and eye protection when using solvents.

Never use a patch to clean the barrel with the suppressor MonoKore in place, as the patch may become lodged in the MonoKore baffle system.

In general, it is advisable to use a small amount of blue Loctite (243) on the barrel threads to install suppressors for duty use. For suppressor installation, torque should not be above 40 ft*lb, but not below 25 ft*lb (firmly hand tight). This suppressor seats on the muzzle of the barrel, use an appropriate alignment rod to guarantee suppressor alignment prior to shooting.

It is recommended that the user periodically ensure that the suppressor is tight. To do so: cease fire, unload and visually and physically inspect the firearm to be clear and safe, then allow the suppressor to cool to ambient temperature and only then try and tighten the suppressor by hand (turning clockwise).

MS:22

Constructed of 7075-T6 aluminum (tube and MonoKore™) and 6AL-4V titanium (mount).

DIMENSIONS (ASSEMBLED)

Length.....	5.9 inches
Diameter.....	1 inch
Weight.....	3.5 ounces

RATING

17 HMR semi-auto
22 WMR (magnum) semi-auto
22 LR full auto (no barrel length requirement)

COATINGS

Tube.....	Type-III hard coat anodizing
MonoKore™.....	Cerakote®
Mount.....	Diamond Like Coating (DLC)

THREAD PITCH

1/2-28

CAUTION: The MS:22 suppressor contains no packing materials within the suppressor, i.e., liquid ablative agents, rubber or leather wipes, etc. The suppressor was not designed to be used with ablative agents or artificial atmosphere, and the presence of fluids within the suppressor ARE detrimental to its operation.

INSTALLATION

Ensure the suppressor is correctly oriented for installation and removal, with only one proper alignment. Prior to usage, it is essential to securely affix the suppressor onto the firearm. Failing to do so may lead to potential damage to both your firearm and the suppressor.

Conduct a visual inspection of the suppressor post-installation to verify that it is perfectly aligned with the centerline of the bore and not tilted in any way. Should you observe any misalignment between the suppressor and the bore, immediately halt the installation process and contact our Customer Service Department.

Utilizing the suppressor when it is improperly mounted could result in irreversible damage to your suppressor, resulting in suboptimal performance and diminished accuracy.

METHOD OF ASSEMBLY



The suppressor tube is torqued to the mount and red (permanent) Loctite® is used to bind them together. If there is a problem, return the suppressor to the factory where experienced technicians can separate and replace these components.



The suppressor MonoKore is threaded into the suppressor tube. The threads are standard right-hand threads. The threaded end of the suppressor MonoKore has a knurled portion to ease removal and installation for maintenance.



If the MonoKore is stuck within the tube, the front of the MonoKore is a tool feature that fits a 1/2" socket and the rear of the suppressor has a 3/4" socket feature. If further leverage is needed please contact Maxim Defense Customer Support.

The suppressor MonoKore should always be removed after use, once it has allowed to cool to ambient temperature. By unthreading the MonoKore, carbon cutting features on the top and bottom of the MonoKore break carbon deposits off the inside of the tube.



Once the MonoKore has been removed, it can be lightly tapped, or scrubbed with a nylon brush and a firearms solvent of your choice.



After maintenance has been conducted, reinsert the MonoKore into the tube and thread it back into place. The MonoKore should not be threaded tighter than finger tight using the knurled portion of the front of the MonoKore.

It is strongly recommended that disassembly and cleaning be performed at intervals of 250 rounds or less. Longer intervals will result in greater difficulty removing the MonoKore from the tube assembly.

CLEANING THE FIREARM SILENCER

WARNING: USE PROPER PPE, COVERING THE HANDS AND TAKING PRECAUTIONS NOT TO CROSS CONTAMINATE YOUR SURROUNDINGS WHEN CLEANING A SILENCER. LEAD IS AN INGREDIENT IN THE CARBON DEPOSITS INSIDE OF A SILENCER, WHICH ARE VERY DANGEROUS TO HUMAN EXPOSURE.

1. Ensure that your firearm is clear of any ammunition as shown at the beginning of this manual. DO NOT allow any ammunition in the cleaning area.
2. Remove the silencer from the firearm. The suppressor should be cleaned every 500 rounds fired. If any of the components do not come apart, soak the components in an approved solvent to release the carbon deposits.
3. Remove the expansion module from the main body.
4. Remove the booster cap by unthreading it.
5. After the booster cap unthreads and comes off, the piston and piston spring will follow.
6. Clean all exterior surfaces with a nylon or brass brush only. Ensure to remove all visible carbon deposits.
7. Using a nylon brush and cloths only in conjunction with approved cleaners, scrub and wipe the interior surfaces of the booster body (portion of the booster where the piston and piston spring are housed).

8. Remove all baffles. Some may need to be pushed out toward the endcap with a dowel. DO NOT HIT THE BAFFLES AS THE BAFFLES MAY BE DAMAGED.
9. Clean all visible surfaces and main body surfaces using a nylon brush and cloths.
10. Reassemble in the reverse order, refer to the section on method of assembly. Ensure that the piston spring and booster cap O-ring are well lubricated with an approved grease. THIS SHOULD BE GREASED EVERYTIME BEFORE USE.

NOTE: a small amount of non-toxic liquid may be used to shoot the silencer "wet". No more than 10ml should be used. Abelative agents are most effective when applied between the first and second baffles.

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AMMUNITION RECOMMENDATION

Hyper velocity cartridges such as the CCI Stinger and Remington Yellow Jacket will cause an increase in sound signature over lower velocity ammunition. These cartridges should be avoided if possible. Ammunition labeled as sub-sonic velocity will give the greatest reduction in sound signature. Your firearm's action may not cycle properly with lower velocity ammunition, based on its design. Attaching a suppressor may also affect how your firearm operates and this may affect your ammunition choice.

WARRANTY STATEMENT

The Magnuson-Moss Act (Public Law 93-637) does not require any seller or manufacturer of a consumer product to give a written warranty. It does provide that if a written warranty is given, it must be designated as "full" or as "limited" and sets minimum standards for a "full" warranty.

Maxim Defense has elected not to provide any written warranty, either "limited" or "full," rather than to attempt to comply with the provisions of the Magnuson-Moss Act and the regulations issued thereunder. There are certain implied warranties under state law with respect to sales of consumer goods. As the extent and interpretation of these implied warranties varies from state to state, you should refer to your state statutes.

Maxim Defense certifies that all sound suppressors manufactured by them are free of defects in materials or workmanship and meet manufacturing specifications at the time of manufacture. Maxim Defense disavows responsibility for damages resulting from neglect, abuse, or acts of war except those declared and authorized by the Senate of the United States of America.

Maxim Defense denies any liability resulting from the use, abuse, or criminal misuse of products manufactured or distributed.



office: 239-580-7800
info@maximdefense.com

1265 Kuhn Dr. Ste 100
St. Cloud, MN 56301

Specifications subject to change without notice. Actual product may vary from photo. Rev 04102024KW