



MAXIM
DEFENSE®



**INSTALLATION &
MAINTENANCE GUIDE**

MSX **240**

MSX²⁴⁰

INSTALLATION & MAINTENANCE GUIDE

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.

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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.

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.

MSX-240

The MSX-240 is constructed of 17-4 stainless steel (tube assembly and monocore).

COATINGS

Tube assembly.....DLC TB-41
MonoKoreCerakote®

RATING

Rating.....7.62x51, belt fed rated

The MSX-240 suppressor contains no packing materials within the suppressor, i.e., liquid abrasive agents, rubber or leather wipes, etc. This suppressor was designed to meet operational requirements of the FN M240 medium machine gun. The suppressor was not designed to be used with abrasive agents or artificial atmosphere, and the presence of fluids within the suppressor are detrimental to its operation.

If there is a problem, return the suppressor to the factory where experienced technicians can separate and replace these components.

TOOLS REQUIRED FOR INSTALLATION/MAINTENANCE

The MSX-240 can be assembled/disassembled with a 7/8" wrench or socket with driver and torque wrench. Alternatively, a common vehicle lug nut wrench (7/8") may be used.

INSTALLATION/REMOVAL TOOLS

- Torque wrench
- 7/8" socket



MAINTENANCE TOOLS

- Standardized firearms solvent (CLP)
- Brass brush
- Dental pick

The MSX-240 suppressor has a two-piece construction: the tube assembly and the monocoire. The tube assembly is two pieces that are welded together into a permanent assembly.

NOTE: Under NO circumstances should anyone attempt to separate the two pieces of the tube assembly from each other.

Ensure that the weapon system is clear and safe, visually and physically checked before a suppressor is installed or removed.

Always follow the 4 firearm safety rules. Failure to observe the 4 firearm safety rules may result in death or serious bodily harm.

NOTE: A retention pin is installed that interfaces with the suppressor core and the barrel. This is required to remain in place. **DO NOT REMOVE THE RETENTION PIN.**

The 7/8" wrench fits the flash hider on the end of the suppressor tube assembly for threading the suppressor tube assembly on to and off from the barrel assembly. **The suppressor core stays on the barrel.**

The installation of the MSX-240 suppressor onto the barrel assembly of a FN-240 series machine gun is done at the factory.

INSTALLATION OF THE SUPPRESSOR TUBE ASSEMBLY

1. Slide the suppressor tube assembly over the monocoire.

NOTE: Ensure that the suppressor tube assembly can freely turn about the monocoire before installation. This ensures that the carbon cutting surfaces on the monocoire remove any large carbon deposits from the inside of the suppressor tube assembly.

2. Hand thread the MSX-240 onto the threaded portion of the monocoire.

NOTE: to ensure that the threads of the suppressor do not get damaged, the procedure for getting the threads started is as follows:

- A. Slide the suppressor tube assembly over the core, placing the threads of the suppressor tube assembly against the threaded portion of the suppressor core.
- B. Turn the suppressor assembly counter-clockwise until a "click" is heard and felt. This sound is the beginning thread of both pieces passing each other.
- C. Turn the suppressor assembly clockwise until the suppressor is hand tight.

3. Using the 7/8" torque wrench or socket, torque to 40 ft*lb.



NOTE: Use a torque wrench only for installing, not when removing, as this can damage the torque wrench.

NOTE: The suppressor assembly should be maintained after being shot (as described below).

NOTE: ALWAYS let the suppressor cool to ambient temperature before attempting to conduct maintenance.

Once the suppressor tube assembly has cooled sufficiently, remove it by using the 7/8" wrench or socket, turning in the counterclockwise direction.

CLEANING THE INSIDE OF THE SUPPRESSOR

Leaving the monocoire attached to the barrel assembly, clean all visible surfaces free of noticeable carbon deposits. This may be done with a brass brush and the use of standard firearms solvents is permissible. Ensure all suppressor surfaces are dry before reassembly.

If a long firing table is shot and the suppressor tube is left on, carbon deposits inside the suppressor will harden and freeze the monocoire to the tube preventing rotation.



As shown below: turning the suppressor tube assembly over the monocoire to break free any carbon deposits.

NOTE: If this maintenance is not regularly observed, the suppressor tube assembly will become increasingly more difficult to remove for maintenance.

Shown below: using the 7/8" wrench to remove the suppressor tube assembly from the barrel.

NOTE: If the suppressor tube assembly cannot be broken free while attached to the weapon system, an armorer can use a vice attached to a bench to assist. The armorer may hold the barrel assembly in a vice to break the tube assembly free from carbon deposits.



ARMORER LEVEL MAINTENANCE

Pictured below is the correct method for securing the barrel assembly in a vice for removal of the suppressor tube assembly.

In this orientation, the suppressor is pointed up, and the chamber end of the barrel assembly is pointed down toward the ground.

Always secure the barrel assembly by the flats at the rear of the suppressor core only.



NOTE: The vice must be bolted or otherwise properly secured to a rigid work bench.

Suppressor tube assembly removal, as shown below.



NOTE: suppressor tube assembly removal is always done with a wrench or socket. Never remove the suppressor tube assembly with a torque wrench.

If the suppressor tube assembly will not turn easily, the suppressor portion of the barrel assembly may be submerged in a solvent tank for a period of up to four hours. More than four hours has shown to be unnecessary. Remove the assembly from the solvent tank and allow to drain. The suppressor tube assembly will be easily removed at this point using the method described earlier in this document.

Suppressor tube assembly installation, as shown below.



NOTE: Suppressor tube assembly must be torqued at 40 ft*lb.

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.



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