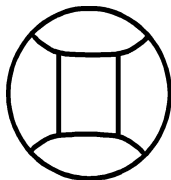


TM-UMP

OPERATION AND MAINTENANCE OF SOUND SUPPRESSOR MODEL UMP

**Before using this suppressor,
be certain you have read and
understand this manual.**

Manufactured by



GEMTECH
Div. of Gemini Technologies, Inc.
P.O. Box 140618
Boise, Idaho 83714

ISSUED: April 30, 2006

☆☆☆☆☆ **WARNING** ☆☆☆☆☆

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

TM-UMP

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OPERATIONAL MANUAL FOR
SOUND SUPPRESSOR MODEL
UMP

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☆☆☆☆☆ **WARNING** ☆☆☆☆☆

☞ **Failure to follow installation and maintenance instructions detailed in this manual can result in potential for 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.

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.

The UMP suppressor is the most efficient, state-of-the-art, and carefully designed muzzle suppressor for the HK UMP submachine guns. Before use, please take a few moments to read this instruction manual.

GENERAL DESCRIPTION

UMP sound suppressors are purposefully designed units intended to fulfill the need for a suppressor delivering outstanding performance for the UMP submachine gun in a physically small and lightweight package, while providing an absolutely secure host weapon mounting interface.

The UMP suppressor, while designed specifically for the HK .45 caliber UMP submachine gun, functions properly on the .40 S&W caliber version of this weapon.

The Posi-Lock mounting system (patent pending) is a simple, quick-attach/detach system which holds the suppressor securely on the HK barrel.

Suppression efficiency is gained through proper design of the suppressor rather than by using "wipes," grease, or other obstacles touching the bullet in free flight. For this reason, weapon accuracy is not impaired, and accuracy may be actually slightly enhanced by tightening of the group size.

Ablative agents ("artificial environment," water, oils, etc) are totally unnecessary in a properly designed submachine gun suppressor and should never be used. Do not use them in the UMP suppressor.

The suppressor is intended for mounting only on the specified weapons. It is not adaptable to other weapons lacking the configuration of the UMP barrel.

BASIC SUPPRESSION PRINCIPLES

The sound of a firearm discharging is due to the sudden release of high-pressure propelling gases. The purpose of a suppressor is to reduce the gas pressure by a combination of increasing the volume for gas expansion, decreasing gas temperatures, and delaying gas exit from the suppressor.

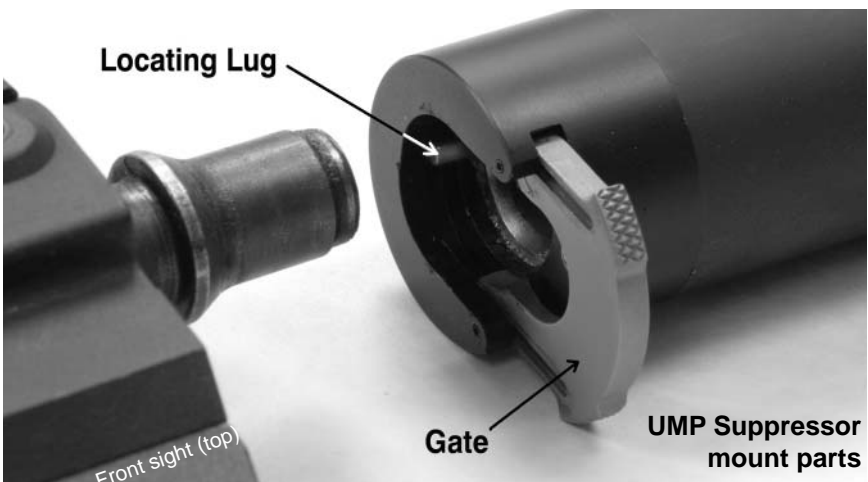
The UMP suppressor utilizes a radical baffle design to accomplish these goals without the use of wipes or other accuracy-destroying techniques. The UMP is designed to provide rated performance totally dry. We discourage the use of artificial environments (such as water or oil) in any suppressor designed for fully automatic fire.

CONSTRUCTION

The entire suppressor is constructed from high tensile strength aluminum alloys with the exception of portions of the mount. All exterior parts have a matte black anodized finish. Because the radial orientation of the baffles is critical to optimum performance, the suppressor is sealed and cannot be disassembled. Although we recommend against cleaning, cleaning can be accomplished by simple immersion in suitable solvents.

☆☆☆☆☆ **DANGER** ☆☆☆☆☆

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



SUPPRESSOR MOUNTING

The mounting system consists of a simple sliding retaining gate with a unique locking mechanism that prevents inadvertent unlocking of the gate. Refer to photo on P. 3. The gate orients on the top side of the weapon.

1. Grasp weapon firmly in left hand at front of receiver, close to the barrel. Installation and removal is easier if the weapon is held pointing up.

2. While holding the gate open, slide the suppressor on the barrel. Because the locating lug in the mount engages the notch in the bottom of the barrel flange, the suppressor always mounts with the same rotational orientation.

3. Push the suppressor onto the barrel against spring pressure until the gate can be pushed closed. (See photo below)

4. Allow the suppressor to move minimally forward under spring pressure. The barrel flange will engage the locking recess in the front of the gate. This will lock the gate in the closed position.



SUPPRESSOR DISMOUNTING (Removal)

1. Dismounting is accomplished by reversing the order of operations in mounting.

2. After being certain that the weapon is unloaded and the chamber empty, pull the suppressor rearward against spring tension until the gate can be lifted.

3. While holding the gate open, slide the suppressor forward off the barrel.

AMMUNITION NOTES

Most commercial American made ammunition is safe, but the origins, storage history, and reason for being surplus of foreign made ammunition is not available for evaluation. Although foreign made ammunition is usually safe, this is not always the case. Damage from non-American ammunition cannot be covered under warranty.

Ammunition in .45ACP is subsonic. We discourage the use of cast lead bullets in any caliber, because vaporized lead from the friction of the bullet traveling down the barrel will condense on the baffles and be impossible to remove. Use of non-jacketed ammunition will void the warranty.

The use of corrosive ammunition will void the warranty.

ROUTINE CLEANING

Cleaning of a suppressor is not essential, and a small amount of residue within the suppressor can help with sound absorption. The suppressor is not designed for disassembly, and while cleaning may be performed by immersion, we suggest against any cleaning of the suppressor itself. Cleaning by immersion may flush out partially burned powder particles, but it will not remove carbon deposits.

Because the UMP suppressor is of all aluminum construction, it is important that solvents known to damage aluminum not be used. There are no good solvents for the carbon deposited on the internal parts by the burning of the powder. We have found, however, that automatic transmission fluid (type A ATF) mixed at approximately a 1:3 ratio with mineral spirits (paint thinner) is among the better solvents for general weapon and suppressor cleaning. Never use solvents containing ammonia (such as Hoppe's, Sweets, and "GI" bore cleaner), which can damage aluminum parts. Never use water or water-based cleaning solutions, including Simple Green, MP7 and SLIP-2000.

If the suppressor is cleaned by immersion, it must be drained (to the rear) and have all remaining fluid blown out with compressed air until dry.

☆☆☆☆☆ **CAUTION** ☆☆☆☆☆

☞ 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 organic solvents.

Cleaning by immersion may be performed every 2-3,000 rounds. Because of molten lead splattering from the heat generated by friction with cast bullets, do not use non-jacketed ammunition.

Most organic solvents are toxic and/or carcinogenic. Some carburetor cleaners and the solvents used in "automotive parts degreasers" supposedly will dissolve caked-on carbon but may contain carcinogenic materials or materials that will damage aluminum. Solvents can be removed by standing the silencer base down followed by blowing it out with compressed air.

Water can corrode aluminum, and mixed with the products of combustion can corrode anodized aluminum. Unfortunately, ultrasonic cleaners only work with water based solvents. For this reason, we recommend against the use of ultrasonic cleaners.

SOUND MEASUREMENTS

Sound pressure level measurements have been made on all Gemtech suppressors. All measurements are made in compliance with MIL-STD-1474D as applicable to small arms. Gemtech sound measuring equipment meets or exceeds the technical requirements set forth in MIL-STD-1474D and are recertified by the manufacturer traceable to National Institute of Science and Technology. Copies of certification are available.

All Gemtech suppressors are "hearing safe" and reduce the sound level significantly below that which mandates the use of hearing protection by both OSHA and MIL-STD-1474D.

Because of the blatantly exaggerated claims made by others in the industry for purposes of product promotion, Gemtech has elected to not routinely publish the results of testing. Test results are available on request to qualified users.

All Gemtech suppressors significantly reduce the muzzle flash, significantly reducing the dangers associated with weapon discharge in haz-mat environments.

PHYSICAL SPECIFICATIONS

Caliber	.45ACP
Length	9 inches
Diameter	1-1/2 inches
Weight	12.4 ounces

WARRANTY STATEMENT

Our “warranty” has been practiced since our personnel started in the suppressor business in 1976, in a time before legalese and when a handshake and this simple statement sufficed: “If a Gemtech product breaks and it’s your fault, we’ll fix it for a fair price in a timely manner. If it’s our fault, we’ll fix it quickly at no charge.” This policy born of pride in craftsmanship and honor has served us and our clients well for over two decades and will continue in Gemtech’s future.

The small print follows:

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.

As do all major firearms manufacturers (including Ruger, Browning, & Heckler & Koch), Gemtech 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.

Gemtech certifies that all sound suppressors manufactured by them are free of defects in materials or workmanship, and that they meet manufacturing specifications at the time of manufacture.

It is our intent that the customer be completely satisfied with the product. Certain Gemtech products may be classified as ordnance and/or implements of war and are sold by us with the specific understanding that Gemtech has taken every reasonable precaution in providing our customers with inherently safe merchandise, and that we assume no liability whatsoever for unsafe handling by the purchaser or his agents. Gemtech assumes no responsibility whatsoever and we will honor no claims for damages, regardless of nature, for physical injury or property damage resulting from careless and/or irresponsible handling, adjustments to equipment, neglect or abuse.

Gemtech reserves the right to make changes at any time and without notice, in prices, to change specification or design, to add or remove accessory materials, and to add or delete items without incurring any obligation.

Use of ammunition that does not meet SAAMI specifications will void all warranties.

REPAIR PROCESS

While BATFE has encouraged the use of the ATF Form 3 or 5 for return for repair, they have publicly stated on their web site that NFA weapons (which include suppressors) may be sent directly to a licensed manufacturer or licensed gunsmith for repair or modification without filing the forms 3 or 5.

Due to restrictions imposed by Public Law 99-308, replacement parts are no longer available for field installation. It is now necessary to return the suppressor to the manufacturer if repair parts should be necessary.



All Gemtech products are
100% manufactured in the
United States of America.

