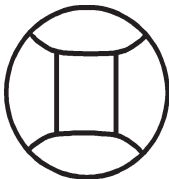


TM-MOSSAD

OPERATION AND MAINTENANCE OF SOUND SUPPRESSOR MODEL MOSSAD-II

**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: August 26, 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-MOSSAD

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TM-MOSSAD

OPERATIONAL MANUAL FOR
SOUND SUPPRESSOR MODEL
MOSSAD-II (9mm)

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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.

GENERAL DESCRIPTION

The MOSSAD-II suppressor is an updated version of the original MOSSAD and Mini-MOSSAD suppressors into a more compact package while maintaining the efficiency of the original. It is configured for mounting on both the UZI or Mini-UZI submachine gun simply by replacing the barrel retaining nut with the suppressor. No modifications to the weapon are required.

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.

The MOSSAD-II suppressor utilizes a rugged, proven baffle design to accomplish these goals without the use of wipes or other accuracy-destroying techniques. Although designed to provide rated performance totally dry.

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.

CONSTRUCTION

The entire suppressor is constructed from high tensile strength aluminum alloys with the exception of portions of the barrel retaining nut. All external surfaces are either black oxide finished or black anodized. Because the

radial orientation of the baffles is critical to optimum performance, the suppressor is sealed and cannot be disassembled.

★★★★★ **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.

MOUNTING ON THE WEAPONS

1. Be certain the weapon is unloaded, the magazine removed, the safety on, and the bolt locked in the open position.
2. While depressing the barrel nut retaining ratchet, unscrew the barrel retaining nut.
3. Be certain that the notch in the barrel is seated in the corresponding recess in the front of the receiver.
4. Place the suppressor over the barrel and screw the suppressor firmly on to the receiver. We suggest retracting the retaining ratchet during final hand-tightening to reduce wear on the ratchet teeth.
5. Removal is the reverse of installation.

AMMUNITION NOTES

The majority of 9mm ammunition is supersonic, and the projectile traveling at velocities above the speed of sound (1,050 fps at 30°F) will produce a ballistic “crack” or “sonic boom”. There are several commercial sources of specially loaded subsonic 9mm ammunition, and for maximum effectiveness, we suggest the use of this type ammunition. Although special 9mm subsonic ammunition has a bullet muzzle velocity below 1,000 fps, the higher bullet weight results in bullet kinetic energy comparable to high velocity ammunition. This not anemic, downloaded ammunition. The majority of subsonic 9mm ammunition is loaded utilizing bullet weights of 147 grain or heavier, including IMI 158 grain “Blue Tip” subsonic ammunition designed specifically for the UZI.

Conventional supersonic ammunition can be used with no harmful effects. The suppressor will perform just as effectively in reducing the muzzle

blast. However, with supersonic ammunition, noise (in the form of the ballistic crack) is generated downrange by the bullet in flight. Because this is generated downrange, the suppressor cannot address this issue.

Components for 9mm reloading are available from a variety of suppliers, including Hornady and Speer. We discourage the use of cast lead bullets, because lead vaporized by friction in the barrel will condense and plate on the baffles. Loading data for 9mm subsonic ammunition is available from a number of sources, including both bullet and powder manufacturers. *However, we caution against any attempt to hand load beyond recommended SAAMI specifications.*

Incidentally, it is quite common for the muzzle velocity to *increase* slightly when the suppressor is in place. This is because the propelling gases continue to push on the base of the projectile as it transits the suppressor and there is no corresponding friction of the barrel slowing the projectile.

Our experience has been that the most reliable feeding is with ammunition loaded with full metal jacketed (round nose) projectiles, and that there is an increased incidence of failure to feed when utilizing hollow point, flat nose, or truncated cone ammunition.

We strongly suggest against the use of corrosive ammunition, and evidence of its use will void the warranty. **Never risk your investment in the weapon or suppressor by using cheap ammunition that does not meet SAAMI specifications.**

MAINTENANCE and CLEANING

As a general rule (and contrary to popular opinion), suppressors have a longer life if no attempt is made at cleaning. There are no perfect solvents for the carbon deposited on the internal parts by the burning of the powder, and some carbon residues will slightly enhance performance. Field experience has shown that the suppressor will outlast a number of barrels.

The design of the MOSSAD suppressor is such that any liquid introduced in a cleaning process will not drain completely, and its presence will generate more sludge and residue within the suppressor than not cleaning.

The suppressor is all aluminum, and many normal gun cleaning solvents will damage aluminum. These include Hoppe's, Sweets, GI Bore Cleaner, and all water-based agents. Water should never be used.

What does have merit is to occasionally blow out the suppressor with dry compressed air to blow out loose powder granules. Blowing should be done first from the rear and second from the front.

Any other attempt at cleaning may well shorten the life of the suppressor. If it becomes necessary, the suppressor can be rebuilt to factory new condition at a reasonable cost.

PHYSICAL SPECIFICATIONS

Length	9.75 inches
Diameter	1-3/8 inch
Weight	10.5 ounce

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, 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.

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

