

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

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★ ★ ★ ★ ★ **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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P.O. Box 140618

Boise, Idaho 83714

Phone: (208) 938-2173

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TM-MOSSAD

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

Manufactured by

GEMTECH

Division of Gemini Technologies, Inc.
P.O. Box 140618
Boise, Idaho 83714-0618

Phone: (208) 939-7222
FAX: (208) 939-7804

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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.

The suppressor is designed to be used dry, and addition of ablative agents may damage the suppressor. Use is not covered under warranty.

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.

We do not encourage reloaded ammunition, but if it is utilized, use only FMJ or TMJ bullets (not cast lead) and follow instructions in the commonly available manuals. *We caution against any attempt to hand load beyond recommended SAAMI specifications.*

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.

Corrosive ammunition should never be used 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, residue, and corrosion within the suppressor than by not cleaning. Mounting threads should be cleaned with a toothbrush moistened with CLP

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

LIMITED WARRANTY STATEMENT

Gemini Technologies, Inc., dba Gemtech, warrants to the initial retail purchaser that Gemtech products will be free of defects in workmanship or material and that the product meets manufacturing specifications at the time of manufacture. This warranty is limited to the repair or replacement of the product. This express limited warranty is exclusive and no other express or implied warranty is otherwise provided.

GEMTECH MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

Product technical specifications and/or designs may be changed without notice. This warranty does not cover negligence, misuse, careless or improper handling and/or operation, abuse, unauthorized adjustments or modifications, improper mounting/installation, ordinary wear and tear, the failure to follow manufacturer instructions and/or the use of inappropriate or defective ammunition.

Gemtech shall have no liability for incidental or consequential damages and under no circumstances will Gemtech be liable for personal injury, property damage or economic loss.

This warranty and disclaimer is subject to all applicable laws some of which may limit these terms.

WARRANTY REPAIRS: Return of a Damaged Suppressor

If a suppressor is damaged due to a manufacturing defect once it has been fired, it may be returned to Gemtech for repair or replacement. Determination to repair or replace is made solely at our discretion and only after we have had the opportunity to examine and determine that the cause of the damage is due to a manufacturing defect. It is the responsibility of the customer to cover shipping costs and insurance to return the suppressor to Gemtech for inspection or repair. Gemtech will pay any reasonable shipping and insurance costs to return the unit to you.

To insure proper legal procedures for any repair returns, fill out and provide a copy of the **General Service Form** with any packages sent to us. (Visit gem-tech.com, navigate to [Customer Support/Return and Repair Policies](#) to download the fillable **General Service Form.pdf** or call 208.939.7222)

BATFE no longer requires transfer on a Form 5 to the manufacturer for repair. BATFE does require a letter accompanying the suppressor detailing the repairs or modifications required (satisfied by a completely filled out **General Service Form**). BATFE also requires proof of ownership satisfied by a photocopy of the front of the owner's Form 3, 4, or 5.

NOTE: BATFE prohibits transferring the serial number to a new outer tube in the case of damage to the tube. Tube damage rendering the suppressor unsafe will require a new suppressor.

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

