

**GEMTECH**<sup>®</sup>  
SUPPRESSORS

## Pistol Suppressors Safety & Instruction Manual For: AURORA-II™, LUNAR™ 45, GM™-9 and GM™-45



**WARNING: READ THESE INSTRUCTIONS AND WARNINGS AND THE OWNER'S MANUAL FOR YOUR SPECIFIC FIREARM CAREFULLY BEFORE USE. BE SURE YOU UNDERSTAND THEM BEFORE USING YOUR FIREARM WITH A SUPPRESSOR ATTACHED. FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS CAN RESULT IN SERIOUS INJURY OR DEATH TO YOU OR OTHERS AND DAMAGE TO PROPERTY.**

**GEMTECH**  
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**WARNING: THIS SAFETY AND INSTRUCTION MANUAL SHOULD ALWAYS ACCOMPANY THIS SOUND SUPPRESSOR AND IT SHOULD BE TRANSFERRED WITH THE SUPPRESSOR UPON CHANGE OF OWNERSHIP. IF THERE IS ANYTHING IN THIS MANUAL YOU DO NOT UNDERSTAND, VISIT OUR WEBSITE (GEMTECH.COM) WHERE YOU'LL FIND:**

- **FREE** downloadable copies of suppressor Safety & Instruction Manuals  
([@Gemtech.com/manuals](http://Gemtech.com/manuals))
- **TECHNICAL** support  
([Gemtech.com/technical-support](http://Gemtech.com/technical-support))
- **CONTACT** information  
([Gemtech.com/contact-us](http://Gemtech.com/contact-us))

If the manual and website do not answer your questions, contact Gemtech customer support or get help from someone qualified in the safe handling of firearms and sound suppressors (such as a firearms INSTRUCTOR).

**PHONE: 208-939-7222**  
**E-mail: [techstaff@gemtech.com](mailto:techstaff@gemtech.com)**

**VISIT [www.gemtech.com](http://www.gemtech.com)**  
**for accessories, adapters, and ammunition**  
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## TABLE OF CONTENTS

YOUR SAFETY RESPONSIBILITIES .....	3-7
AMMUNITION .....	8
ATTACHING SUPPRESSOR TO A FIREARM.....	9-10
REMOVING SUPPRESSOR FROM A FIREARM .....	10
CLEANING THE SUPPRESSOR .....	11-12
POINT OF IMPACT ISSUES .....	13
GEMTECH® WARRANTY STATEMENT .....	13
GEMTECH® RETURNS FOR REPAIR .....	14
GEMTECH® SUPPRESSOR REPAIR POLICY .....	14
CONTACT AND SHIPPING INFORMATION.....	15-16
GEMTECH® PATENT INFORMATION .....	16
AURORA-II™ SUPPRESSOR SPECIFICS .....	17-19
LUNAR™ 45 SUPPRESSOR SPECIFICS .....	20-22
GM™-9 SUPPRESSOR SPECIFICS .....	23-24
GM™-45 SUPPRESSOR SPECIFICS .....	25-27
MY SUPPRESSOR MAINTENANCE LOG .....	28

# YOUR SAFETY RESPONSIBILITIES

## SAFETY IS YOUR NUMBER ONE RESPONSIBILITY!!!!



**WARNING: YOU MUST FOLLOW ALL OF THESE SAFETY RULES TO ENSURE THE SAFE USE OF YOUR FIREARM AND SUPPRESSOR. THE FAILURE TO FOLLOW THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL COULD CAUSE SERIOUS PERSONAL INJURY OR DEATH TO YOU OR OTHERS AND DAMAGE TO PROPERTY.**

- **FIREARMS ARE DANGEROUS AND CAN CAUSE SERIOUS INJURY OR DEATH IF THEY ARE MISUSED OR USED INAPPROPRIATELY.** Safety must be the prime consideration of anyone who owns or handles firearms. Accidents are the result of violating the rules of safe firearm handling. As a firearm owner, YOU accept a demanding, full-time responsibility. How seriously you take this responsibility can be the difference between life and death. There is no excuse for careless or abusive handling of your firearm. At all times, handle your firearm with intense respect for its power and potential danger.

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## YOUR SAFETY RESPONSIBILITIES CONTINUED

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- **AT HOME, IN THE FIELD, AT THE RANGE, OR ANYWHERE, THE FIRST CONCERN OF EVERY FIREARM OWNER SHOULD BE SAFETY.** To avoid serious injury or death to you or others, apply the following safety rules in every situation, with any kind of firearm. If you feel uncertain about any aspect of your firearm or suppressor, please contact your firearm's manufacturer or GEMTECH before proceeding with its operation. If you are unfamiliar with firearms, you should seek formal training before using your firearm.
- **NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM.**
- **TREAT EVERY FIREARM AS IF IT IS LOADED AND WILL FIRE.** Never assume and do not take anyone's word that a firearm is unloaded - always look to verify that there is no cartridge in the chamber. A firearm is considered "unloaded" only when the action is open, the magazine is removed, and you have visually verified that there is no cartridge in the chamber. Make sure the firearm is unloaded before attempting to mount or remove a suppressor.
- **ALWAYS FOLLOW THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL.** Use, installation and removal of this suppressor must be accomplished in accordance with the information contained in this manual.
- **SUPPRESSED FIREARMS ARE JUST AS DANGEROUS AS UNSUPPRESSED FIREARMS.** Because firearms with suppressors make less noise than firearms without suppressors, it is easy to forget that they are still dangerous. Always remember that a suppressed firearm requires the same safe handling as an unsuppressed firearm. Since suppressors reduce the sound signature of firearms, the shooter must confirm that persons or animals do not accidentally cross the line of fire during use.
- **PRIOR TO SUCH USE, VERIFY THAT YOUR SUPPRESSOR IS INTENDED FOR FULLY-AUTOMATIC FIRE.** With fully-automatic fire, heat build-up within the suppressor can become excessive, increasing the likelihood of degraded suppressor performance, skin burns (if contacted), or ignition of material in the environment (if contacted).

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## YOUR SAFETY RESPONSIBILITIES CONTINUED

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- **THE SUPPRESSOR CAN BECOME EXTREMELY HOT DURING USE.** The suppressor absorbs a great deal of heat from burning propellant gases. After use, the suppressor can become very hot – greater than 900° F (482° C) depending on rate of fire. The suppressor can become hot enough to cause serious burns to unprotected skin. A hot suppressor can also start a fire when contacting flammable materials or coming in proximity to flammable liquids/vapors. Always allow the suppressor to cool before handling with bare hands or allowing it near potentially flammable materials or flammable liquids/vapors. Suppressors become hot because they absorb energy from the muzzle blast on firing. A hot suppressor is not obvious but will cause severe burns on contact with skin and will cause property damage. Plan ahead and identify a safe place to rest your suppressed firearm after firing.
- **THE SUPPRESSOR MUST BE INSTALLED PROPERLY BEFORE USE.** The suppressor must be properly installed on the barrel of the firearm and the suppressor must be properly aligned with the bore before using the firearm. Make sure there is a proper fit between your firearm and suppressor before use. Firing through a suppressor that is not properly installed could result in a baffle strike which may destroy the suppressor and possibly cause injury or death.
- **ONLY FACTORY-LOADED AMMUNITION THAT MEETS SAAMI SPECIFICATIONS SHOULD BE USED WITH YOUR GEMTECH SUPPRESSOR.** See the Ammunition section of this manual for additional guidance.
- **THIS MANUAL SHOWS COMPATIBLE CALIBERS / CHAMBERINGS AND MINIMUM BARREL LENGTH FOR EACH MODEL SUPPRESSOR (SEE MODEL SPECIFIC SECTION STARTING ON PAGE 17).** If a suppressor is used on a firearm that does not meet the criteria spelled out for that particular model, it could result in damage to the firearm and/or suppressor and personal injury.

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## YOUR SAFETY RESPONSIBILITIES CONTINUED

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- **PRIOR TO SUCH USE, VERIFY THAT YOUR SUPPRESSOR CAN BE USED WET OR DRY. DIFFERENT MODELS HAVE VARYING REQUIREMENTS THAT ARE DETAILED ELSEWHERE IN THIS MANUAL.** This information is listed in the specific model details later in this manual. If specified for DRY use, never allow any foreign material or liquid to get inside the suppressor. Introducing or allowing any liquid, grease, or other foreign materials into the suppressor can lead to abnormal and excessive pressures inside the suppressor. See the recommended cleaning procedures for each specific model later in this manual.
- **KNOW, UNDERSTAND AND FOLLOW THE LAW.** Sound suppressors (sometimes referred to as silencers, cans, mufflers or moderators) are controlled under the National Firearms Act (NFA; 26 U.S.C. §5849 et seq.). Sound suppressors are NOT LEGAL in every state. Storing an unlocked sound suppressor at home with a person who is not registered to possess the device may be construed as “constructive possession” by the BATFE (U.S. Bureau of Alcohol, Tobacco, Firearms and Explosives), which carries a hefty penalty by law – always keep your suppressor secured as you do with your firearms.
- **ALWAYS WEAR EYE AND HEARING PROTECTION THAT ARE SPECIFIED FOR USE WITH FIREARMS** every time you discharge your firearm. Make sure others in the vicinity of where you will be shooting do so as well. Suppressors reduce but do not eliminate the noise from a firearm discharge. When firing a suppressed firearm you and those nearby must use appropriate hearing protection.
- **ALWAYS HAVE ADEQUATE VENTILATION.** Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Review the warnings and labels for all ammunition and cleaning products carefully. Wash hands thoroughly after exposure.
- **BEWARE OF BARREL BORE AND SUPPRESSOR OBSTRUCTIONS.** Be sure the gun’s bore and the suppressor are clear of obstructions before shooting. Mud, water, snow or other objects may inadvertently lodge in the bore or suppressor. An obstruction in the barrel bore or suppressor is a dangerous condition and may damage your firearm and cause injury to yourself and others.

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## YOUR SAFETY RESPONSIBILITIES CONTINUED

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- **NEVER DISASSEMBLE YOUR SUPPRESSOR** beyond the procedure(s) outlined in this manual. Improper disassembly or reassembly of your suppressor may be dangerous and can lead to serious injury or death.
- **NEVER ALLOW ANY ALTERATION OR REPLACEMENT OF PARTS IN YOUR GEMTECH SUPPRESSOR UNLESS PERFORMED BY A FACTORY TECHNICIAN** using genuine GEMTECH parts. If you do otherwise, improper functioning of your firearm may occur and serious injury or death and damage to property may result.



**WARNING: SAFE USE OF A FIREARM AND SUPPRESSOR IS YOUR PERSONAL RESPONSIBILITY AND THE FAILURE TO FOLLOW ALL OF THESE BASIC SAFETY RULES MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH TO YOU OR OTHERS AND DAMAGE TO PROPERTY. YOU ARE THE MOST IMPORTANT SAFETY DEVICE WHEN IT COMES TO THE USE OF YOUR FIREARM AND SUPPRESSOR AND GEMTECH WILL NOT BE RESPONSIBLE FOR ANY PERSONAL INJURY, DEATH OR PROPERTY DAMAGE THAT RESULTS FROM: (1) THE CRIMINAL OR NEGLIGENT USE OF THIS SUPPRESSOR; (2) A DISREGARD OF THESE SAFETY INSTRUCTIONS AND WARNINGS; (3) IMPROPER OR CARELESS HANDLING OF THIS SUPPRESSOR; (4) THE USE OF NON-STANDARD, DEFECTIVE OR IMPROPER AMMUNITION; (5) IMPROPER OR NEGLIGENT MODIFICATIONS OR REPAIRS TO THE SUPPRESSOR.**



**WARNING: ALWAYS CONSULT WITH AND FOLLOW THE WARNINGS AND INSTRUCTIONS IN THE OWNER'S MANUAL FOR YOUR SPECIFIC FIREARM.**

- **SUPPRESSOR HUNTING NOTICE.** If hunting with a suppressor is desired, consult the applicable state department or agency responsible for enforcement of hunting laws and regulations for further information. Not all states allow hunting with a suppressor, and some states limit the types of game that can be hunted with suppressors.

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# AMMUNITION

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**WARNING: ONLY FACTORY-LOADED AMMUNITION THAT MEETS SAAMI SPECIFICATIONS SHOULD BE USED WITH YOUR GEMTECH SUPPRESSOR INSTALLED.**



**WARNING: NEVER FIRE "TRACER" AMMUNITION THROUGH YOUR SUPPRESSOR.**



**WARNING: NEVER FIRE FRANGIBLE OR PRE-FRAGMENTED AMMUNITION THROUGH ANY SUPPRESSOR. SOME FRANGIBLE JACKETED BULLETS HAVE A TENDENCY TO PRODUCE JACKET SEPARATION, WHICH WILL CAUSE THE BULLET TO TUMBLE WHILE IN THE SUPPRESSOR, WHICH CAN SERIOUSLY DAMAGE THE INTERNAL BAFFLES AND LEAD TO SUPPRESSOR FAILURE.**



**WARNING: WHEN USING A SUPPRESSOR DESIGNED FOR USE WITH 22 LONG RIFLE AMMUNITION, NEVER FIRE HEAVY OR HIGH-GRAIN BULLETS THROUGH A SUPPRESSOR. AVOID AMMUNITION SUCH AS 60 GRAIN 22 LONG RIFLE.**

- Use your suppressor only with the calibers for which it was designed. This information is listed in the specific model details later in this manual (starting on page 17).



**WARNING: DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER SERIOUS PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER EXPOSURE.**



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# ATTACHING A SUPPRESSOR TO A FIREARM

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**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR TO/FROM A LOADED FIREARM. FIRST REMOVE THE MAGAZINE FROM THE FIREARM. SECOND, VISUALLY AND MANUALLY CHECK AND CLEAR THE CHAMBER AND ACTION OF AMMUNITION.**



**WARNING: BEFORE FIRING A FIREARM WITH A SUPPRESSOR INSTALLED, ALWAYS CHECK TO ENSURE THAT THE SUPPRESSOR IS FULLY SCREWED ONTO THE MUZZLE (HAND TIGHT) AND IS ABUTTED TO A FLAT SHOULDER OF THE THREADS AT THE MUZZLE. THIS SHOULDER MUST BE PERPENDICULAR, AND THE MUZZLE THREADS MUST BE CONCENTRIC TO THE BORE. FAILURE TO FOLLOW THIS SAFETY WARNING COULD RESULT IN A BAFFLE STRIKE, LEADING TO SERIOUS INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY.**

- Specific instructions for each GEMTECH model pistol suppressor are included in this manual (starting on page 17). See those instructions that pertain to the specific GEMTECH suppressor that you are using.
- First, remove the thread protector from the muzzle of the **UNLOADED** firearm (if a thread protector is present). With appropriate tool(s) and fixture(s), remove any muzzle devices from your firearm, including any washers, shims or jam nuts.
- Clean and degrease the threads at the firearm's muzzle with solvent (such as rubbing alcohol). Degrease the threads inside the suppressor rear end cap with solvent. Allow any solvent that remains on the firearm or suppressor to evaporate before installing the suppressor on the firearm.
- Thread the suppressor onto the muzzle, taking care to prevent cross-threading. **HAND TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**



**WARNING: DO NOT USE ANY TYPE OF LOCK WASHER OR CRUSH WASHER WHEN INSTALLING YOUR SUPPRESSOR. USING A LOCK WASHER OR CRUSH WASHER MAY CAUSE MISALIGNMENT AND RESULTING DAMAGE OR INJURY WHEN FIRING. MISALIGNMENT OF THE SUPPRESSOR WITH THE BORE WILL CAUSE THE BULLET TO CONTACT INTERNAL SUPPRESSOR PARTS; DAMAGING OR DESTROYING THEM.**

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## ATTACHING A SUPPRESSOR CONTINUED

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- During firing, the suppressor will unscrew from the muzzle threads, which can create misalignment. It is necessary for the user to periodically check that the suppressor remains screwed hand-tight to the firearm.



**WARNING: AVOID BURNS WHEN CHECKING BY USING A HEAT RESISTANT GLOVE WHEN TIGHTENING THE SUPPRESSOR TO THE FIREARM OR BY ALLOWING THE SUPPRESSOR TO COOL BEFORE TOUCHING IT.**

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## REMOVING SUPPRESSOR FROM A FIREARM

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**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR TO/FROM A LOADED FIREARM. FIRST REMOVE THE MAGAZINE FROM THE FIREARM. SECOND, VISUALLY AND MANUALLY CHECK AND CLEAR THE CHAMBER AND ACTION OF AMMUNITION.**



**WARNING THE SUPPRESSOR CAN BECOME DANGEROUSLY HOT WITH USAGE (> 900° F) WHICH COULD CAUSE SEVERE SKIN BURN ON CONTACT OR COULD IGNITE FLAMMABLE MATERIALS OR VAPORS IN THE ENVIRONMENT. IF THE SUPPRESSOR MUST BE REMOVED WHEN HOT, A GLOVE OR SUPPRESSOR SOCK MADE OF MATERIAL SPECIFICALLY DESIGNED TO PROTECT AGAINST EXTREME HEAT (E.G., NOMEX) MUST BE USED. ALSO, KEEP HOT SUPPRESSOR AWAY FROM FLAMMABLE MATERIALS OR VAPORS.**

- Confirm that the magazine has been removed and the firearm is completely unloaded. Being careful to avoid burns caused by hot parts, unscrew the suppressor from the barrel by hand. If necessary, use a wrench on the rear of suppressor (barrel thread adapter) to loosen suppressor. Care should be taken during and after firing in the handling of your suppressor. Heat resistant gloves will help, but even with gloves, care should be taken not to exceed the heat resistance capacity of the gloves.

# CLEANING THE SUPPRESSOR



**WARNING: ENSURE THAT YOUR FIREARM IS UNLOADED BEFORE BEGINNING ANY MAINTENANCE.**



**WARNING: ONCE USED, SUPPRESSORS MAY CONTAIN A GREAT DEAL OF LEAD RESIDUE. ALWAYS HAVE ADEQUATE VENTILATION. CLEANING FIREARMS IN POORLY VENTILATED AREAS, DISCHARGING FIREARMS, HANDLING AND CLEANING A SUPPRESSOR, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER SERIOUS PHYSICAL INJURY. WASH HANDS THOROUGHLY AFTER EXPOSURE.**



**WARNING ALWAYS READ AND FOLLOW THE INSTRUCTIONS AND WARNINGS ACCOMPANYING ANY CLEANER OR SOLVENT. REMEMBER THAT VIRTUALLY ALL SOLVENTS ARE HAZARDOUS AND POTENTIALLY TOXIC. ALWAYS USE BOTH SKIN AND EYE PROTECTION AND ENSURE ADEQUATE VENTILATION WHEN USING ORGANIC SOLVENTS. ALSO, AVOID OPEN FLAMES.**

- See the specific instructions for cleaning your specific GEMTECH model of suppressor later in this manual (starting on page 17).
- Remove the suppressor from the **UNLOADED** firearm. DO NOT attempt to clean or disassemble the suppressor while it is installed on a firearm.
- Generally, there are two by-products that accumulate inside suppressors from firing through them: carbon and lead. Cleaning information is listed in the specific model details later in this manual - some models are not intended to be disassembled.
- When cleaning DO NOT use metal tools or objects to clean or scrape the tube or any components of the suppressor. Do not use sandpaper or emery cloth to clean any part of the suppressor. Damage to the suppressor will result.
- To clean the outer tube and core components, use a nylon or plastic bristle brush to remove deposits and clean any debris from the threads. Allow both the tube and core to dry before reassembling and using the suppressor.

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## CLEANING THE SUPPRESSOR CONTINUED

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- Take precautions to avoid exposure to lead (e.g. latex gloves and face dust mask). Use cleaning utensils (nylon toothbrush, non-marring toothpick, cotton fabric) and non-corrosive solvents (e.g., Hoppes #9, CLP (Cleaner, Lubricant, Preservative) to clean the surfaces of the suppressor.
- Using solvent and a nylon brush, clean carbon deposits from the interior surfaces of the rear cap interface in the rear of the suppressor body.



**WARNING: NEVER MANIPULATE, ADJUST OR CHANGE ANY OF THE INTERNAL COMPONENTS OF YOUR SUPPRESSOR UNLESS SPECIFICALLY DIRECTED TO DO SO IN THIS MANUAL. IMPROPER MANIPULATION OF ANY INTERNAL COMPONENT MAY AFFECT THE SAFETY AND RELIABILITY OF YOUR FIREARM AND MAY CAUSE SERIOUS INJURY OR DEATH.**



**WARNING: ANY MAINTENANCE OR SERVICE NOT SPECIFIED IN THIS MANUAL MUST BE PERFORMED BY A QUALIFIED FACTORY REPRESENTATIVE USING GENUINE GEMTECH PARTS. IF YOU DO OTHERWISE, IMPROPER FUNCTIONING OF YOUR FIREARM MAY OCCUR AND SERIOUS INJURY OR DEATH MAY RESULT.**

- No other disassembly of the suppressor is necessary. Ultrasonic cleaners are not effective with hydrocarbon-based solutions. Water based cleaners are not recommended.
- If any cleaner is introduced to the inside of the suppressor, completely blow dry with a source of compressed air so no residual moisture is left inside. Firing with liquid remaining in the suppressor can damage the suppressor due to abnormal and excessive internal pressures. Gemtech is not responsible or liable for any damage that results from the failure to observe all applicable product warnings and instructions.

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## POINT OF IMPACT SHIFTING ISSUES

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- Any devices that are added to (or removed from) the muzzle of a firearm, including sound suppressors, flash hiders and thread adapters will likely cause a change in the bullet's point of impact on target. The degree of change in the point of impact will vary with the specific firearm and the device(s) added or removed. We recommend re-zeroing your firearm after any device is installed on (or removed from) the muzzle.

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## GEMTECH® WARRANTY STATEMENT

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- Please visit [gemtech.com/warrantystatement](http://gemtech.com/warrantystatement) for warranty statement details.

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## GEMTECH® RETURNS FOR REPAIR

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- Suppressors may be returned to Gemtech for inspection and/or repair service as necessary. Contact the Gemtech customer service department to obtain a Return Merchandise Authorization (**RMA**) in order to return your suppressor. See the Contact and Shipping section of this manual for details. Returned suppressors will be evaluated upon receipt to determine whether no-charge or fee service is appropriate. Gemtech is not responsible or liable for any damage that results from the failure to observe all applicable product warnings and instructions.
- For fee service, a quote will be provided to you and services will commence upon receipt of payment. 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.
- For any repair returns, to ensure proper legal procedures are completed, please download, fill out, and provide a copy of this document (**General Service Form**) with any packages sent to us - available at this web address:  
**[https://gemtech.com/pub/media/wysiwyg/cms/downloads/General\\_Service\\_Form.pdf](https://gemtech.com/pub/media/wysiwyg/cms/downloads/General_Service_Form.pdf)**

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## GEMTECH® SUPPRESSOR REPAIR POLICY

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- GEMTECH maintains complete repair facilities for all the suppressors it manufactures. Return authorization and shipping instructions must be obtained prior to return. Contact GEMTECH for this information. BATFE no longer requires transfer on a Form 5 to the manufacturer for repair. However, they do require a letter accompanying the suppressor detailing the repairs required. The General Service Form will fulfill the letter requirement.  
**[https://gemtech.com/pub/media/wysiwyg/cms/downloads/General\\_Service\\_Form.pdf](https://gemtech.com/pub/media/wysiwyg/cms/downloads/General_Service_Form.pdf)**

We will also require 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 will require a new suppressor.

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# CONTACT AND SHIPPING INFORMATION

## For Owners Within The United States

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**NOTE:** A Return Merchandise Authorization (**RMA**) is the first step in the process of returning a product in order to receive repair service. Please contact GEMTECH'S Customer Service Dept. via e-mail: [techstaff@gemtech.com](mailto:techstaff@gemtech.com) or by phone at 208-939-7222 to obtain authorization to return your suppressor so we can process it quickly and efficiently. The RMA number that is supplied by GEMTECH must be displayed on the outside of the returned product's packaging.

The Return Merchandise Authorization (**RMA**) process allows GEMTECH an opportunity to try to diagnose and correct a customer's concerns with the product (such as ammunition problems) before it is returned. Accordingly, please contact us before returning your GEMTECH suppressor.

### CONTACT CUSTOMER SERVICE

Phone: 208-939-7222

E-mail: [techstaff@gemtech.com](mailto:techstaff@gemtech.com)

RETURNS - FOR SERVICE - ALL GEMTECH SUPPRESSORS

### GEMTECH

2100 Roosevelt Ave  
Springfield, MA 01104

- Call or e-mail the Customer Service Dept. for authorization and shipping instructions.
- Enclose a completed **General Service Form**:

***[https://gemtech.com/pub/media/wysiwyg/cms/downloads/General\\_Service\\_Form.pdf](https://gemtech.com/pub/media/wysiwyg/cms/downloads/General_Service_Form.pdf)***

which includes your full name and address (no P.O. Boxes, please), daytime telephone number, e-mail address, the serial number of the suppressor, and details of the problem experienced (stating the brand and type of ammunition used when the problem occurred) or work desired.

- Enclose a copy of the first page of the approved BATFE Form 3, 4, or 5 (as applicable) that evidences registration of the suppressor in your name.

**<https://www.atf.gov/firearms/firearms-forms>**

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## CONTACT AND SHIPPING CONTINUED

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- Record the serial number before shipping, in case you wish to check on the repair status of your suppressor.
- Place the suppressor in its original case or in a similarly secure container and pack it securely.
- The package must NOT bear any markings which indicate the identity of the contents.
- It is most important that you comply with federal, state, and local laws and regulations. The following guidelines are meant to help, but you must seek assistance from the appropriate authorities if necessary.
- Repair work will begin upon receipt and examination of the suppressor. In the case of repairs, a quotation covering the cost of the work plus transportation charges will be sent to you. Repairs will be scheduled upon receipt of payment.

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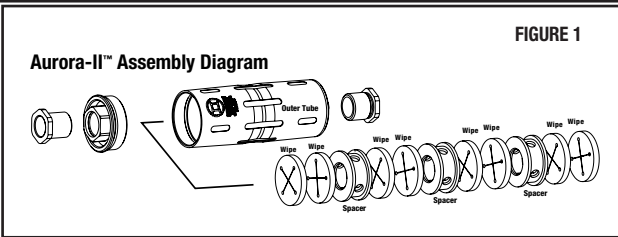
## GEMTECH® PATENT INFORMATION

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- This product may be covered by one or more patents. Please visit [gemtech.com/patents](http://gemtech.com/patents) for virtual patent information.



# GEMTECH® AURORA-II™ SUPPRESSOR SPECIFICS:



## GEMTECH® AURORA-II™ SUPPRESSOR SPECIFICATIONS

SKU	12123
UPC:	609224346866
Applicable Chambering and Minimum Barrel Length	9mm Luger - 3" Min BBL length
Ammunition Requirements:	Full Metal Jacket Ammunition Only** Ammunition that Meets SAAMI Specs
Full-Auto Rated:	No
Use Wet or Dry?	Wet
Overall Length:	3.5" Including Thread Protectors
Diameter:	1.125"
Weight:	3.5 oz.
Tube Material:	7075-T6 Aluminum
Core Material:	7075-T6 Aluminum
Tube Finish:	MIL-A-8625 Type II, Class 2 Blk Anodized
Core Finish:	N/A - WIPES 85 Durometer, 1/8" Urethane
Mount Type:	1/2-28 or M13.5x1 LH Thread at Muzzle
Suppressor Cover:	No
Supersonic Ammunition:	OK
Disassemble for Cleaning:	Yes
Sound Tested	137dB WET M&P®9 M2.0™ - Average of first 10 rounds at shooters left ear. *** Each successive shot gets louder

**⚠ WARNING: THE AURORA-II SUPPRESSOR IS SPECIFICALLY DESIGNED TO BE USED WITH SUBSONIC 9MM LUGER AMMUNITION LOADED WITH FULL METAL JACKETED PROJECTILES WEIGHING BETWEEN 147 AND 170 GRAINS. BECAUSE WIPES ARE USED, IT IS OF UTMOST IMPORTANCE THAT SOFT POINT, HOLLOW POINT, FRANGIBLE OR ANY OTHER EXPANDING PROJECTILE NEVER BE USED.**

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## GEMTECH® AURORA-II™ SUPPRESSOR CONT'D

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**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR TO/FROM A LOADED FIREARM. FIRST REMOVE THE MAGAZINE FROM THE FIREARM. SECOND, VISUALLY AND MANUALLY CHECK AND CLEAR THE CHAMBER AND ACTION OF AMMUNITION.**

- **USE AND OPERATION:** The AURORA-II™ is a low visibility, limited life suppressor. Accuracy is limited to 5 yards. Usable life is anticipated at 30 rounds before replacement of the wipes and a wetting agent (i.e. Vaseline® or Lubriplate® FML-2 grease) is required. The AURORA-II™ should ONLY be used with full metal jacket 9mm subsonic ammunition. Users need to be aware that the first five rounds are the quietest and sound performance will deteriorate with each successive round.
- **INSTALLATION:** Remove any thread protector or muzzle device from the firearm. The AURORA-II™ is threaded on both ends. One end is a metric (M13x1 LH) thread and the other end is standard (1/2x28) thread. Thread the AURORA-II onto the muzzle - clockwise for standard thread and counter-clockwise for metric. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**



**WARNING: DO NOT REMOVE THE AURORA-II™ WHILE THE SUPPRESSOR IS HOT.**

- **REMOVAL:** Unscrew the AURORA-II™ by hand.

### MAINTENANCE OF AURORA-II™ SUPPRESSOR:

**NOTE:** The GEMTECH AURORA-II™ is classified as a “micro” suppressor with near full-sized performance intended for a limited duty cycle. This is the result of using “wipes” (bore obstructing urethane baffles) and a wetting agent (i.e. Vaseline® or Lubriplate® FML-2 grease). As a result, frequent maintenance is required to retain efficiency.

1. Make certain the firearm is unloaded and remove the AURORA-II™ from the firearm. Do not remove when hot.
2. Replace wipes after approximately 30 rounds of use or when the sound suppression level becomes unacceptable.
3. Disassembly is performed by first unscrewing the front end cap and pushing the used wipes and spacers out to the front using a wood dowel or a ballpoint pen.

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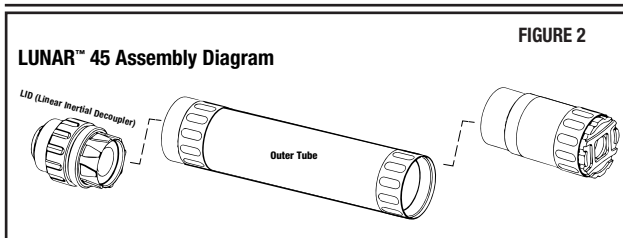
## GEMTECH® AURORA-II™ SUPPRESSOR CONT'D

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4. Clean the spacers with a solvent, such as CLP (Cleaner, Lubricant, Preservative).
5. Pack the spacers with grease to recharge the artificial environment. Suitable wetting agent greases include (i.e. Vaseline® or Lubriplate® FML-2 grease).
6. Refer to the assembly diagram shown (FIGURE 1).
7. Reassemble the suppressor by inserting wipes and spacers in this order: 2 wipes / spacer / 2 wipes / spacer / 2 wipes / spacer / 2 wipes then front end cap. If the holes in the faces of the spacers are not the same size, put the side of the spacer with the smaller aperture toward muzzle of pistol.
8. Tighten the front end cap.

**NOTE:** BATFE considers wipes to be silencer parts. Because of this, the AURORA-II must be sent to GEMTECH for wipes to be replaced. Any AURORA-II owner can send the suppressor to GEMTECH for repacking/wipe replacement.

# GEMTECH® LUNAR™ 45 SUPPRESSOR SPECIFICS:



## GEMTECH® LUNAR™ 45 SUPPRESSOR SPECIFICATIONS:

SKU	12126
UPC:	609224346989
Applicable Chamberings and Minimum Barrel Length	9mm Luger - 3" Min BBL 300 Blackout - 7.5" Min BBL 40 S&W - 3" Min BBL (Dry Only) 10mm AUTO - 5" Min BBL (Dry Only) 45 ACP - 3" Min BBL **
Ammunition Requirements:	Ammunition that Meets SAAMI Specs
Full-Auto Rated:	Yes*
Use Wet or Dry?	See references for chamberings above
Overall Length:	8.5" Long, 6.9" Short
Diameter:	1.375"
Weight:	12.3 oz. Long, 10.9 oz Short
Tube Material:	Aluminum
Core Material:	Titanium Blast Baffle, Aluminum Baffles
Tube Finish:	Type III Hardcoat Anodized
Core Finish:	Nickel Boron
Mount Type:	Shipped with a .578-28 Piston
Suppressor Cover:	No
Supersonic Ammunition:	Ok - Subsonic Only for 300 BLK
Disassemble for Cleaning:	Yes
SOUND TESTED	129dB LONG HK® Mark 23 137dB SHORT HK USP® 45Ct 129dB LONG/136db SHORT on a Dan Wesson® 1911 45 ACP 128dB LONG/132dB SHORT Glock® 19 G4
* Fully automatic fire is 4-8 round bursts every 3-6 seconds	

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## GEMTECH® LUNAR™ 45 SUPPRESSOR CONT'D

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**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR TO/FROM A LOADED FIREARM. FIRST REMOVE THE MAGAZINE FROM THE FIREARM. SECOND, VISUALLY AND MANUALLY CHECK AND CLEAR THE CHAMBER AND ACTION OF AMMUNITION.**

- **INSTALLATION:** First remove any thread protector from barrel. Next, screw the L.I.D. (Linear Inertial Decoupler) onto your suppressor, HAND-TIGHTEN only. Thread Suppressor onto the muzzle. HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.
- **REMOVAL:** Unscrew the suppressor by hand. If necessary, use a strap wrench on rear of suppressor to loosen.



**WARNING: DO NOT REMOVE THE LUNAR™ 45 WHILE THE SUPPRESSOR IS HOT.**

### • MAINTENANCE OF LUNAR™ 45 SUPPRESSOR:

1. Remove the suppressor from the firearm. DO NOT clean or disassemble the LUNAR™ 45 while it is installed on a firearm.
2. To disassemble the suppressor remove the front cap or extension from the front of the tube. If necessary use a wooden dowel to gently press out baffles from tube interior.
3. When cleaning DO NOT use metal tools or objects to clean or scrape the tube/baffles.
4. Use a CLP (Cleaner, Lubricant, Preservative) to clean.
5. To clean the tube and baffles use a nylon or plastic bristle brush to remove deposits and clean any debris from the threads. Allow both the tube and baffles to dry before re-assembly. Lightly lubricate prior to reassembly. HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.
6. To Clean the L.I.D. (Linear Inertial Decoupler) unscrew the endcap. Remove spring and piston. Use a nylon brush and remove deposits with CLP (Cleaner, Lubricant, Preservative) (this is recommended every 250 rounds). Allow to dry then apply a high-temperature grease to the piston and spring. Reassemble L.I.D. parts. HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.

## GEMTECH® LUNAR™ 45 SUPPRESSOR CONT'D

- FIGURE 3 (below) shows the proper assembly of the baffle stack - using the alignment tabs to orient them.

### GEMTECH® LUNAR™ 45 SUPPRESSOR: BAFFLE ALIGNMENT

1. The LUNAR™ 45 baffles have alignment tabs for proper baffle indexing.
2. It is imperative that these indexing tabs are seated properly or damage will occur to your baffles.
3. After maintenance, please ensure your baffles are aligned correctly (see images) for maximum sound reduction.

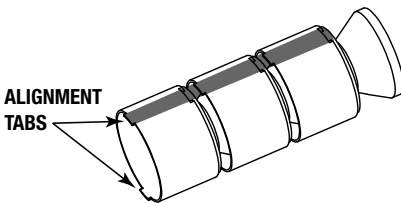
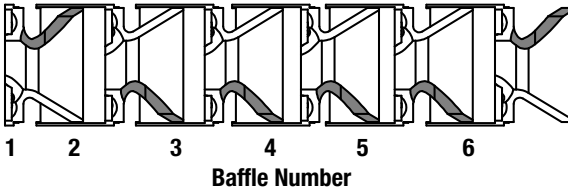
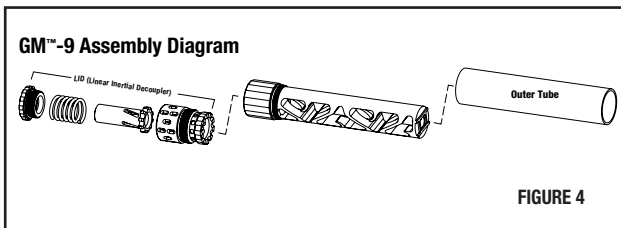


FIGURE 3

Proper Baffle Alignment Shown Below



# GEMTECH® GM™-9 SUPPRESSOR SPECIFICS:



## GEMTECH® GM™-9 SUPPRESSOR SPECIFICATIONS:

SKU	12124
UPC:	609224348204
Applicable Chamberings and Minimum Barrel Length	9mm - 3" Min BBL (Wet or Dry) 300 BLK - 7.5" Min BBL (Dry Only) **
Ammunition Requirements:	Ammunition that Meets SAAMI Specs
Full-Auto Rated:	Yes*
Use Wet or Dry?	See references for chamberings above
Overall Length:	7.5" with L.I.D.
Diameter:	1.25"
Weight:	8.7 oz. with L.I.D.
Tube Material:	7075 Aluminum
Core Material:	Aluminum
Tube Finish:	Matte black anodized
Core Finish:	Matte black anodized
Mount Type:	Various Mounts Available
Suppressor Cover:	No
Supersonic Ammunition:	Ok - Subsonic Only for 300 BLK
Disassemble for Cleaning:	Yes
SOUND TESTED	138dB DRY Glock® 17 130dB WET Kimber® TLE II 9mm
* Fully automatic fire is 4-8 round bursts every 3-6 seconds	

**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR TO/FROM A LOADED FIREARM. FIRST REMOVE THE MAGAZINE FROM THE FIREARM. SECOND, VISUALLY AND MANUALLY CHECK AND CLEAR THE CHAMBER AND ACTION OF AMMUNITION.**

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## GEMTECH® GM™-9 SUPPRESSOR CONT'D

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- **INSTALLATION:** First remove any thread protector from barrel. Next, screw the L.I.D. (Linear Inertial Decoupler) onto your suppressor, HAND-TIGHTEN only. Thread suppressor onto the muzzle. NOTE: The L.I.D. is not needed for the Berretta M9/1911 or subguns. A solid thread mount (available at gemtech.com) should be used in place of the L.I.D. HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.
- **REMOVAL:** Unscrew the suppressor by hand. If necessary use a strap wrench on rear of suppressor to loosen.



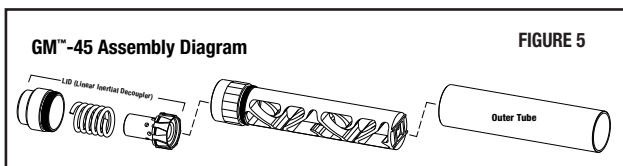
**WARNING: DO NOT REMOVE THE GM™-9 WHILE THE SUPPRESSOR IS HOT.**

- **MAINTENANCE OF GM™-9 SUPPRESSOR:**

1. Remove the suppressor from the firearm. DO NOT clean or disassemble the GM™-9 while it is installed on a firearm.
  2. To disassemble the suppressor remove the G-Core® from the outer tube. Hold onto the rear section of the suppressor and unscrew the outer tube. If necessary use a strap wrench on rear of suppressor to loosen suppressor.
  3. When cleaning DO NOT use metal tools or objects to clean or scrape the tube or G-Core®.
  4. Use a CLP (Cleaner, Lubricant, Preservative) to clean.
  5. To clean the tube and G-Core® use a nylon or plastic bristle brush to remove deposits and clean any debris from the threads. Allow both the tube and G-Core® to dry before re-assembly. Lightly lubricate prior to reassembly. HAND TIGHTEN ONLY. DO NOT OVER-TIGHTEN.
  6. To Clean the L.I.D. (Linear Inertial Decoupler) unscrew the end cap. Remove spring and piston. Use a nylon brush and remove deposits with CLP (Cleaner, Lubricant, Preservative) (this is recommended every 250 rounds). Allow to dry then apply a high-temperature grease to the piston and spring. Reassemble L.I.D. parts. HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.
- GEMTECH® recommends storing the suppressor dry.



# GEMTECH® GM™-45 SUPPRESSOR SPECIFICS:



## GEMTECH® GM™-45 SUPPRESSOR SPECIFICATIONS:

SKU	12125
UPC:	609224348181
Applicable Chamberings and Minimum Barrel Length	45 ACP - 3" Min BBL (Wet or Dry) 40 S&W - 3" Min BBL (Dry Only) 10mm AUTO - 5" Min BBL (Dry Only) 9mm - 3" Min BBL (Wet or Dry) 300 BLK - 7.5" Min BBL (Dry Only) **
Ammunition Requirements:	Ammunition that Meets SAAMI Specs
Full-Auto Rated:	Yes*
Use Wet or Dry?	See references for chamberings above
Overall Length:	7.5" with L.I.D.
Diameter:	1.375"
Weight:	11.2 oz. with L.I.D.
Tube Material:	Aluminum
Core Material:	Aluminum
Tube Finish:	Matte blk anodized w/reduced visual IR
Core Finish:	Matte blk anodized w/reduced visual IR
Mount Type:	Shipped with a .578-28 standard piston
Suppressor Cover:	No
Supersonic Ammunition:	Ok - Subsonic Only for 300 BLK
Disassemble for Cleaning:	Yes
SOUND TESTED	138dB DRY/130 WET FN® FNP-45 Tactical 138dB DRY/124dB WET Glock® 17

\* Fully automatic fire is 4-8 round bursts every 3-6 seconds

\*\* Subsonic Only for 300 BLK



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR TO/FROM A LOADED FIREARM. FIRST REMOVE THE MAGAZINE FROM THE FIREARM. SECOND, VISUALLY AND MANUALLY CHECK AND CLEAR THE CHAMBER AND ACTION OF AMMUNITION.**

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## GEMTECH® GM™-45 SUPPRESSOR CONT'D

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- **GENERAL INFORMATION:** Each caliber and ammunition type will have a different sound reduction based on the ammunition velocity, barrel length of the host firearm, and ambient temperature. A suppressor does not control the velocity of the projectile. High velocity ammunition will be accompanied by the ballistic “crack” of the bullet in flight if the ammunition is supersonic. Maximum suppression will be attained using subsonic ammunition.
- **INSTALLATION:** First remove any thread protector from barrel. Next, screw the L.I.D. (Linear Inertial Decoupler) onto your suppressor, **HAND-TIGHTEN** only. Thread the suppressor onto the muzzle. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**



**WARNING: DO NOT REMOVE THE GM™-45 WHILE THE SUPPRESSOR IS HOT.**

- **REMOVAL:** Unscrew the suppressor by hand. If necessary, use a strap wrench on rear of suppressor to loosen it.

- **MAINTENANCE OF GM™-45 SUPPRESSOR:**

1. Remove the suppressor from the firearm. **DO NOT** clean or disassemble the GM™-45 while it is installed on a firearm.
2. To disassemble the suppressor remove the G-Core® from the outer tube. Hold onto the rear section of the suppressor and unscrew the outer tube counter-clockwise from the inner G-Core®. If necessary, use a strap wrench on rear of suppressor to loosen suppressor.
3. When cleaning **DO NOT** use metal tools or objects to clean or scrape the tube or G-Core®.
4. Use a CLP (Cleaner, Lubricant, Preservative) to clean.
5. To clean the tube and G-Core® use a nylon or plastic bristle brush to remove deposits and clean any debris from the threads (this is recommended every 250 rounds). Allow both the tube and G-Core® to dry before reassembly. Lightly lubricate prior to reassembly. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**

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## GEMTECH® GM™-45 SUPPRESSOR CONT'D

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6. To Clean the L.I.D. (Linear Inertial Decoupler) unscrew the end cap. Remove spring and piston. Use a nylon brush and remove deposits with CLP (Cleaner, Lubricant, Preservative). Allow to dry then apply a high temp grease to the piston and spring. Reassemble L.I.D. parts. **HAND-TIGHTEN** only.

- GEMTECH recommends storing the suppressor dry.

