



**GEMTECH**<sup>®</sup>  
SUPPRESSORS

**Rifle Suppressors**  
**Safety & Instruction Manual For:**  
**ONE™, TRACKER™,**  
**DAGGER™ -II, GMT™ -300 BLK,**  
**GMT-HALO™, TREK® -II,**  
**PATROLMAN™, SHIELD™, ARROW®**



**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**  
**2100 Roosevelt Ave**  
**Springfield, MA 01104**  
**PHONE: 1.833.350.9517**

COPYRIGHT: ©2019 GEMTECH. All rights reserved.  
The contents of this publication may not be reproduced in any form or by any means in whole or in part without the prior written permission of the copyright owner.



**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)**

- **TECHNICAL SUPPORT  
(GEMTECH.COM/TECHNICAL-SUPPORT)**

- **CONTACT INFORMATION  
(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 CERTIFIED FIREARMS INSTRUCTOR).**

**PHONE: 1.833.350.9517  
E-mail: techstaff@gemtech.com**

**VISIT [www.gemtech.com](http://www.gemtech.com)  
for accessories, adapters, and ammunition  
manufactured or sold by:**

**GEMTECH  
2100 Roosevelt Ave  
Springfield, MA 01104  
PHONE: 1.833.350.9517  
E-mail: techstaff@gemtech.com**

## Table of Contents

YOUR SAFETY RESPONSIBILITIES .....	3-7
AMMUNITION .....	8-9
ATTACHING SUPPRESSOR TO A FIREARM .....	9-10
REMOVING SUPPRESSOR FROM A FIREARM .....	11
CLEANING THE SUPPRESSOR .....	11-13
POINT OF IMPACT ISSUES .....	14
GEMTECH WARRANTY STATEMENT .....	14
GEMTECH RETURNS FOR REPAIR .....	14
GEMTECH SUPPRESSOR REPAIR POLICY .....	15
CONTACT AND SHIPPING INFORMATION .....	15-16
THE ONE™ SUPPRESSOR SPECIFICS .....	17-21
TRACKER™ SUPPRESSOR SPECIFICS .....	22-24
DAGGER™-II SUPPRESSOR SPECIFICS .....	25-27
GMT™ 300 BLK SUPPRESSOR SPECIFICS .....	28-30
GMT-HALO™ SUPPRESSOR SPECIFICS .....	31-35
TREK®-II SUPPRESSOR SPECIFICS .....	36-38
PATROLMAN™ SUPPRESSOR SPECIFICS .....	39-40
SHIELD™ SUPPRESSOR SPECIFICS .....	41-43
ARROW® SUPPRESSOR SPECIFICS .....	44-46
GEMTECH® PATENT INFORMATION.....	46
MY SUPPRESSOR MAINTENANCE LOG .....	47

---

# 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 IN-APPROPRIATELY.** 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.

---

## YOUR SAFETY RESPONSIBILITIES CONT'D

---

- **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 firearms. 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.
- **DO NOT USE A SUPPRESSOR FOR FULLY-AUTOMATIC FIRE UNLESS IT IS RATED FOR SUCH USE.** Gemtech suppressors list whether a given model of suppressor is rated for fully-automatic fire in the specifications table(s) within each Safety & Instruction manual. These tables start on page 17 of the Rifle Suppressors manual.

---

## YOUR SAFETY RESPONSIBILITIES CONT'D

---

- **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 skin or to 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.
- **SEE THE AMMUNITION SECTION OF THIS MANUAL (AND THE SPECIFIC SECTION FOR THE MODEL SUPPRESSOR THAT YOU ARE USING) FOR INFORMATION ABOUT WHAT AMMUNITION SHOULD BE USED WITH YOUR GEMTECH SUPPRESSOR INSTALLED.**
- **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.

---

## YOUR SAFETY RESPONSIBILITIES CONT'D

---

- **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 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.

- **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.

- **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.

---

## YOUR SAFETY RESPONSIBILITIES CONT'D

---

- **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 DAMAGED, CORRODED, NON-STANDARD, DEFECTIVE OR IMPROPER AMMUNITION; OR (5) OR, 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.

---

# AMMUNITION

---



**WARNING: ONLY FACTORY NEW AMMUNITION OPERATING AT PRESSURES CONSISTENT WITH RECOGNIZED COMMERCIAL STANDARDS SHOULD BE USED WITH YOUR GEMTECH SUPPRESSOR INSTALLED.**



**WARNING: NEVER FIRE “TRACER” AMMUNITION THROUGH YOUR SUPPRESSOR.**



**WARNING: NEVER FIRE FRANGIBLE OR PRE-FRAGMENTED AMMUNITION OR AMMUNITION LOADED WITH BIRD SHOT THROUGH ANY GEMTECH SUPPRESSOR. DOING SO CAN SERIOUSLY DAMAGE THE SUPPRESSOR.**



**WARNING: 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.**



**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.**

• For the best results with suppressed shooting, ammunition choice is vital. Make sure to use ammunition with bullet weights that are compatible with the host firearm’s barrel twist rate. Perform the test detailed below before mounting your suppressor. In a place where it is safe to shoot, using safe firearm practices, start with a smooth, clean cardboard target at 25 or 50 yards. With no suppressor mounted on the firearm, shoot a five round group for accuracy. Groups should measure less than 3MOA (.75” @25yds or 1.5” at 50 yards). If all impacts are circular and show no signs of instability, oblong impacts (keyholing), then the cartridge is stable enough for use with a suppressor. Mount the suppressor following the instructions for the specific suppressor model and insure proper barrel, suppressor alignment. Shoot another five round group where the bullet impacts on the target don’t overlap. Check bullet impacts for signs of instability. If the impacts are circular and the group is consistent with the previous unsuppressed group, the ammunition is suitable for use with a suppressor.

---

## AMMUNITION CONTINUED

---

If oblong impact holes (Keyholing) are found, this may be caused by baffle strikes/rubs. Immediately stop shooting. Unload and clear the firearm of all ammunition, and wait for the suppressor to cool to ambient temperature. Remove the suppressor from the firearm and inspect the endcap and aperture for copper streaks and damage. These are signs of endcap rubs caused by misalignment. Now holding the suppressor up to a light source look down the bore of the suppressor to make sure there is nothing blocking bullet flight path and that the suppressor bore is perfectly circular. If the bore is not circular, or metal pieces can be heard clattering inside the suppressor, a baffle strike may have occurred. See Page 14 for warranty and repair information.

---

## ATTACHING A SUPPRESSOR TO A FIREARM

---



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**



**WARNING: BEFORE FIRING A FIREARM WITH A SUPPRESSOR INSTALLED, ALWAYS CHECK TO ENSURE THAT THE SUPPRESSOR IS PROPERLY MOUNTED ON THE FIREARM. FAILURE TO FOLLOW THE SUPPRESSOR MODEL'S SPECIFIC MOUNTING INSTRUCTIONS CAN RESULT IN DAMAGE TO PROPERTY, SERIOUS INJURY OR DEATH TO THE SHOOTER, AND OTHERS. IT WILL RESULT IN DAMAGE TO THE SUPPRESSOR AND WILL NEGATIVELY AFFECT SOUND PERFORMANCE AND ACCURACY.**

- Specific instructions for each GEMTECH model rifle suppressor are included in this manual (starting on page 17). See those instructions that pertain to the specific GEMTECH suppressor being used.
- First, remove the thread protector or non-suppressor compatible muzzle device from the muzzle of the **UNLOADED** firearm (if either is present). Remove any crush washers, jamnuts, and O-rings from the muzzle as well.

---

## ATTACHING A SUPPRESSOR CONTINUED

---

- 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.** If the suppressor utilizes a Quickmount® attachment method, install the Quickmount® muzzle device following the instructions included with the muzzle device.
- Visually check sound suppressor alignment on the barrel, or mount by looking through the rear of barrel and ensuring nothing blocks bullet flight path through the sound suppressor when mounted.
- A suppressor alignment gage of the proper diameter slid down the barrel through the exit hole of the sound suppressor will verify correct alignment when it centers and does not touch the exit aperture of the sound suppressor.



**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.**

- During firing, a suppressor utilizing a direct thread mount may 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.
- If the user anticipates an aggressive firing schedule Gemtech direct thread suppressors can be torqued to specific specs (listed in this manual), and thread locker such as Loctite® 242 “blue” can be applied to barrel threads creating an extremely durable attachment.

---

# REMOVING SUPPRESSOR FROM A FIREARM

---



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**



**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.**

---

## CLEANING THE SUPPRESSOR CONTINUED

---



**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 OR APPLYING SOLVENTS TO A HOT SUPPRESSOR DUE TO RISK OF FIRE.**

- 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.
- 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 noncorrosive solvents (e.g., Hoppes #9, CLP (Cleaner, Lubricant, Preservative)) to clean the internal and external surfaces of the suppressor.
- When cleaning suppressor internal components use a nylon brush and non-marring cleaning picks to remove deposits and debris. Metal hand tools like a brass brush and metal cleaning pick can be used only as a last resort to remove stubborn lead and carbon deposits on internal components that are not removed by non-marring tools. Take care when using metal tools as their use can damage suppressor components and decrease their useful service life. Adherence to the cleaning instructions and intervals in this manual should make the use of metal hand tools rare and unnecessary for routine cleaning.
- To clean the outer tube and threaded 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.

---

## CLEANING THE SUPPRESSOR CONTINUED

---



**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.

**CAUTION:** Care and cleaning of a suppressor's component parts consists of normal cleaning procedures using CLP (Cleaner, Lubricant, Preservative) solution and non-marring tools when necessary. However, under NO circumstances should the suppressor's components be cleaned with an abrasive material such as sand paper, Scotch Brite™, Crocus Cloth, etc. To do so will disrupt the protective surface coating layer and greatly reduce the service life because of excessive erosion that will take place when cleaning and firing.

---

## SHIFTING POINT OF IMPACT ISSUES

---

- Any devices that are added to (or removed from) the muzzle of a firearm, including sound suppressors, flash hidere 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.

---

## GEMTECH® WARRANTY STATEMENT

---

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

---

## GEMTECH® RETURNS FOR REPAIR

---

- 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)***

---

# GEMTECH® SUPPRESSOR REPAIR POLICY

---

• 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 (see above) will fulfill the letter requirement. We will also require a photocopy of the front of the Owner's Form 3, 4, or 5.

**NOTE:** The BATFE prohibits transferring the serial number to a new outer tube in the case of damage. If an outer tube needs to be replaced because of damage, a new serial number and BATFE application is required. New tube = new can = new tax stamp.

---

## CONTACT & SHIPPING INFORMATION

---

### For Owners Within The United States

---

**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 1.833.350.9517 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: 1.833.350.9517

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

RETURNS - FOR SERVICE - ALL GEMTECH SUPPRESSORS

**GEMTECH**

**2100 Roosevelt Ave  
Springfield, MA 01104**

---

## CONTACT & SHIPPING CONTINUED

---

- 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.

- 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.

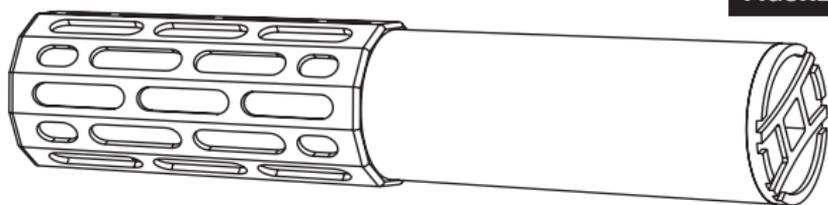
- The package must NOT bear any markings which indicate the identity of the contents.

- 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.

# ONE™ SUPPRESSOR SPECS:

FIGURE 1



## GEMTECH® ONE™ SUPPRESSOR SPECIFICATIONS:

SKU	12118
UPC:	609224347856
Applicable Chamberings and Minimum Barrel Length	223 REM/5.56 NATO - 7.5" Min BBL 300 BLK - 7.5" Min BBL 308 Win/7.62x51mm NATO - 12" Min BBL 300 WIN MAG - 24" Min BBL
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes, with 5.56 NATO ONLY*
Use Wet or Dry?	Dry Only
Overall Length:	7.8"
Diameter:	1.625"
Weight:	17.4 oz.
Tube Material:	6AL4V Titanium
Baffle Material:	Inconel 718 Blast Baffle, 6AL4V Titanium Baffles
Tube Finish:	High-Temp Matte Black Cerakote®
Baffle Finish:	N/A
Mount Type:	Quickmount® or Threadmount
Suppressor Cover:	Sleeve Can Be Used
Supersonic Ammunition:	Ok
Disassemble for Cleaning?:	Clean Mount Only
SOUND TESTED:	139dB Colt® M4 5.56 - 11.5" 130dB Rem® 700 300 BLK - 20" 137dB Arsenal SAM7R 7.62x39 - 16" 138dB NEMO® XO 308 WIN - 16"

\*Fully-automatic is defined as 4-8 round bursts every 4-8 seconds.

\*\*Suppressor life is significantly reduced on short-barreled rifles.

Sound reduction is dependent on barrel length and ammunition type.

---

# GEMTECH® ONE™ SUPPRESSOR CONT'D

---

## INSTALLATION OF THE GEMTECH ONE™ SUPPRESSOR



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

## GEMTECH® Quickmount® MUZZLE DEVICE INSTALLATION

- Unload and clear the firearm.
- Clean and degrease barrel and Quickmount® muzzle device threads with rubbing alcohol.
- The Quickmount® muzzle brake must be timed correctly for proper performance. Correct timing is achieved when the gap between the four circular ports is at 12 o'clock top dead center. Quickmount® flash hidiers do not need to be timed, but positioning the large lug at 12 o'clock top dead center is preferred.
- Hand-tighten the Quickmount® onto barrel and use as few of the included shim washers as possible (DO NOT USE A CRUSH OR SPLIT RING WASHER) allowing for +/- 25° of further travel when the Quickmount® is torqued.
- Tighten with a torque wrench to 30-40 ft/lbs.
- Visually check sound suppressor alignment on the mount by looking through the rear of barrel and ensuring nothing blocks bullet flight path through the sound suppressor when mounted.
- A suppressor alignment gauge of the proper diameter slid down the barrel through the exit hole of the sound suppressor will verify correct alignment when it centers and does not touch the exit aperture of the sound suppressor.
- Once correct alignment and orientation is established, remove the suppressor and Quickmount® from the barrel and complete installation by applying a high temperature thread locking compound, such as Rocksett® brand adhesive, to threads and re-tighten Quickmount® to its final torque.

## GEMTECH® ONE™ SUPPRESSOR CONT'D

- Let cure for 24 hours before shooting the installed system.
- The ONE™ sound suppressor is offered in Gemtech's patented Quickmount® quick-detach mounting system. Quickmount® flash hider and muzzle brake mounts (FIGURE 2) are available in a wide variety of threads to fit a wide variety of firearms and muzzle threads.



### MOUNTING THE GEMTECH® ONE™ WITH Quickmount®

- Place the suppressor over the Quickmount®, line up the two notches, compress internal spring, rotate 1/4 turn clockwise and release spring tension to lock it into position.

### REMOVAL OF THE GEMTECH ONE™ SUPPRESSOR

- Compress internal spring, rotate 1/4 turn counter-clockwise and lift suppressor off the Quickmount®.



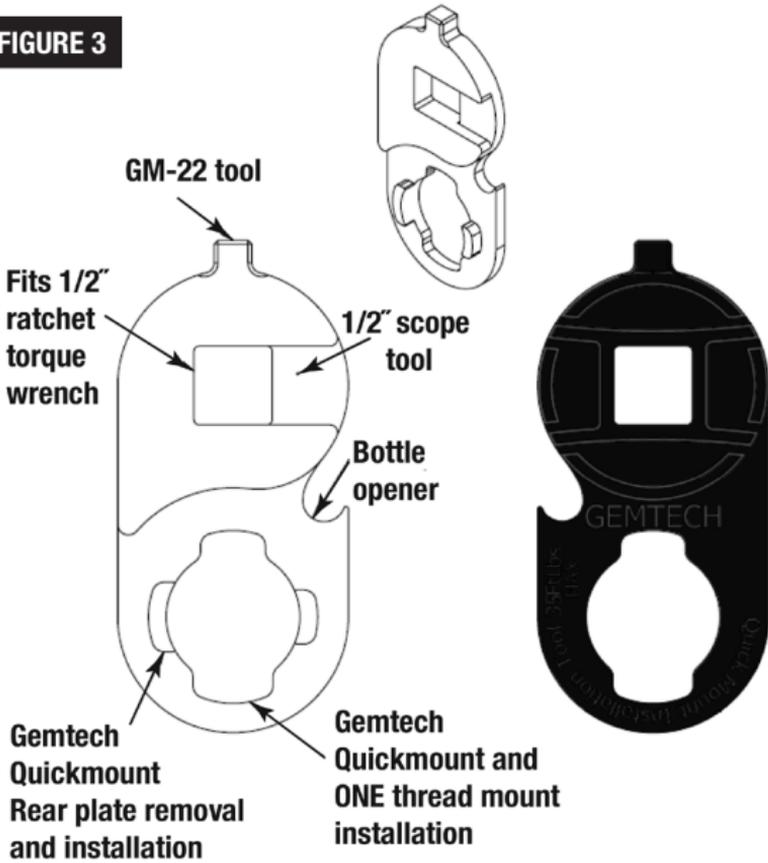
**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

- 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 muzzle mounted sound 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.

ONE™ specifics section continued on the following page.

## GEMTECH® ONE™ TOOL DIAGRAM AND USAGE

FIGURE 3



## ONE™ Thread Mount Adapter Installation

1. Using the ONE™ tool, unscrew the closer plate in the mount. Do not remove the pressure plate and spring.
2. Screw in the thread mount adapter and snug tight with the ONE™ tool. It may be necessary to clean the inside of the mount with a brush.
3. Removal and re-installation Quickmount™ closer plate is the reverse.

Be certain to keep the correct parts order as shown in the image to the right.



---

# GEMTECH® ONE™ SUPPRESSOR CONT'D

---

## MAINTENANCE OF THE ONE™ SUPPRESSOR:

- Because of the high flame temperature, there is no need whatsoever to clean the inside of the ONE™ suppressor body. The only portion of the suppressor which should be cleaned is the mount. The inside of the mount (which receives the body of the Quickmount®) should be periodically scrubbed lightly with a brush dipped in CLP (Cleaner, Lubricant, Preservative).



**WARNING: DO NOT, UNDER ANY CIRCUMSTANCES, ATTEMPT TO PASS A CLEANING PATCH THROUGH THE ONE SUPPRESSOR.**

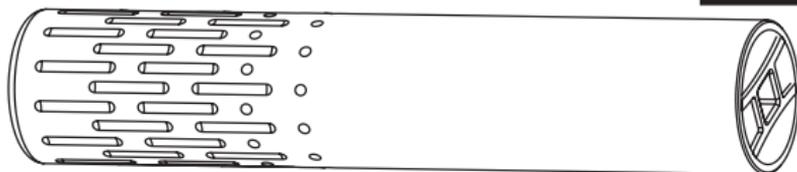
- The ONE™ suppressor and threads must be blown dry with a source of dry compressed air so there is absolutely no residual moisture in the suppressor. Blowing should be done first from the rear and second from the front. Firing with any liquid remaining in the suppressor could result in abnormally high and erratic internal pressures, resulting in damage.



**WARNING: FOLLOW THE AMMUNITION GUIDELINES PRESENTED ON PAGE 8 OF THIS MANUAL WITH YOUR GEMTECH SUPPRESSOR.**

# TRACKER™ SUPPRESSOR SPECIFICS:

FIGURE 4



## GEMTECH® TRACKER™ SUPPRESSOR SPECIFICATIONS:

SKU	12116
UPC:	609224347849
Applicable Chamberings and Minimum Barrel Length	223 REM/5.56 NATO - 16" Min BBL 300 Blackout - 7.5" Min BBL 308 Win/7.62x51 NATO - 16" Min BBL 300 WIN MAG - 24" Min BBL 6.5 Creedmoor - 24" Min BBL 7mm REM MAG - 24" Min BBL 243 WIN - 18" Min BBL
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	No
Use Wet or Dry?	Dry Only
Overall Length:	8"
Diameter:	1.6"
Weight:	11.3 oz.
Tube Material:	7075 Aluminum
Baffle Material:	6AL4V Titanium Blast Baffle, 7075 Aluminum Baffles
Tube Finish:	High-Temp Matte Black Cerakote®
Baffle Finish:	Matte Black Type III Hard Coat Anodize
Mount Type:	5/8-24 Direct Thread
Suppressor Cover:	Not Recommended During Use
Supersonic Ammunition:	OK
Disassemble for Cleaning?:	No
SOUND TESTED:	139dB S&W® M&P® Sport™ 223 16" 128dB DD DDM4V11 300 BLK 16" 136dB Remington® 700 7mm RM 24" 138dB Savage® Model 10 243 WIN 18" 138dB Weatherby Vanguard® 300WM 24"

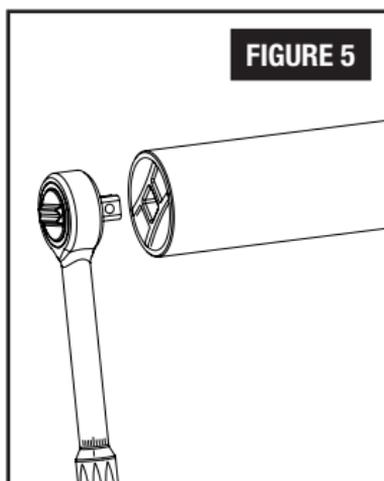
**⚠ WARNING: \*The TRACKER™ IS NOT full-auto rated. It is intended for hunting and other slow fire purposes only. You must allow suppressor to cool to ambient temperature after 10 rounds (all calibers).**

# TRACKER™ SUPPRESSOR CONT'D

## INSTALLATION OF THE TRACKER™ SUPPRESSOR:

**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

- Remove any thread protector or muzzle device. Thread the suppressor clockwise onto the muzzle. Installation requires that the suppressor be screwed hand tight on to the threaded barrel. A 3/8" socket torque wrench (FIGURE 5) can be used on the front of the suppressor to torque it to 15 ft/lbs. If desired, a drop of thread locker such as LOCTITE® 242 "blue" may be used.



## REMOVAL OF THE TRACKER™ SUPPRESSOR:

- Unscrew the suppressor by hand. If necessary use a strap wrench on the outside of the suppressor to loosen or a 3/8" drive socket wrench in the end of the suppressor.

**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

## GEMTECH TRACKER™ SUPPRESSOR SPECIFICATIONS:

- 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 sound 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.

---

## TRACKER™ SUPPRESSOR CONT'D

---

### MAINTENANCE OF THE TRACKER™ SUPPRESSOR:

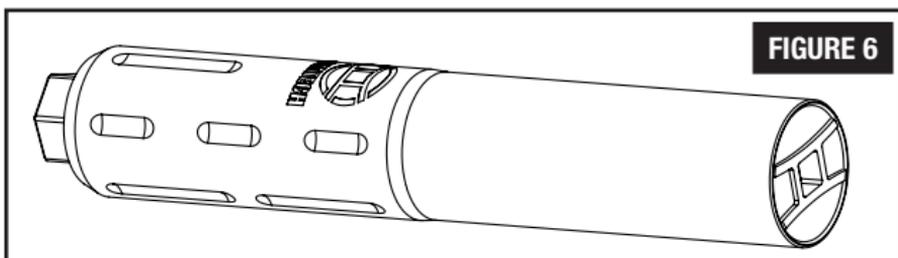
- Because of the high flame temperature, there is no need whatsoever to clean the inside of this suppressor. There is no need to disassemble the suppressor.



**WARNING: DO NOT, UNDER ANY CIRCUMSTANCES, ATTEMPT TO PASS A CLEANING PATCH THROUGH THE TRACKER™ SUPPRESSOR.**

- The TRACKER suppressor and threads must be blown dry with a source of dry compressed air so there is absolutely no residual moisture in the suppressor. Blowing should be done first from the rear and second from the front. Firing with any liquid remaining in the suppressor could result in abnormally high and erratic internal pressures, resulting in damage.

# DAGGER™ -II SUPPRESSOR SPECS:



## GEMTECH® DAGGER™-II SUPPRESSOR SPECIFICATIONS:

<b>SKU</b>	12120
<b>UPC:</b>	609224347627
<b>Applicable Chamberings and Minimum Barrel Length</b>	223 REM/5.56 NATO - 10.3" Min BBL 300 Blackout - 7.5" Min BBL 308 Win/7.62x51mm NATO - 12" Min BBL 300 WIN MAG - 18" Min BBL 6.8 SPC - 10.3" Min BBL
<b>Ammunition Requirements:</b>	See Pg 8 for Ammunition Requirements
<b>Full-Auto Rated:</b>	Yes with 5.56 NATO ONLY *
<b>Use Wet or Dry?</b>	Dry Only
<b>Overall Length:</b>	8.8"
<b>Diameter:</b>	1.5"
<b>Weight:</b>	15.2 oz.
<b>Tube Material:</b>	6AL4V Titanium
<b>Baffle Material:</b>	6AL4V Titanium
<b>Tube Finish:</b>	Matte Black High-Temp Cerakote®
<b>Baffle Finish:</b>	N/A
<b>Mount Type:</b>	5/8-24 Direct Thread
<b>Suppressor Cover:</b>	OK
<b>Supersonic Ammunition:</b>	OK
<b>Disassemble for Cleaning?:</b>	No
<b>SOUND TESTED:</b>	139dB NEMO® Omen Watchman 300WM 24" 135dB LMT® LM8MWS .308 16" 138dB LWRC International® Six8 UICW 6.8SPC 8.5"

\*Fully automatic fire is defined as 4-8 round bursts, every 4-8 seconds.

\*\*Suppressor life is significantly reduced on short-barreled rifles.

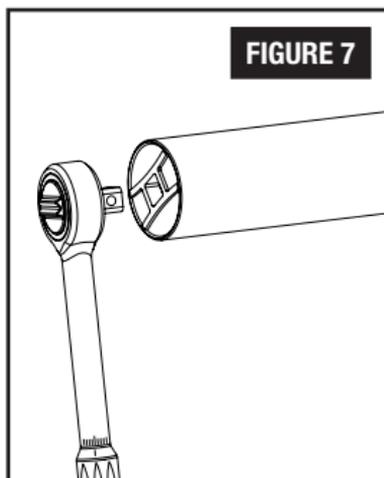
Sound reduction is dependent on barrel length and ammunition type.

## DAGGER™-II SUPPRESSOR CONT'D

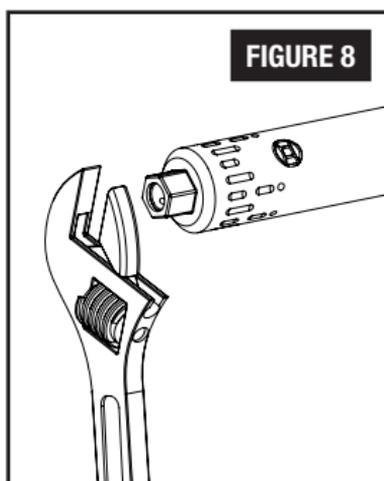
**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

### INSTALLATION OF THE DAGGER™-II SUPPRESSOR:

- Remove any thread protector or muzzle device. Thread the suppressor clockwise onto the muzzle. Installation requires that the suppressor be screwed hand tight on to the threaded barrel. A 3/8" socket torque wrench (FIGURE 7) can be used on the front of the suppressor to torque it to 35 ft/lbs. If desired, a drop of thread locker such as LOCTITE® 242 "blue" may be used.



- A 7/8" wrench (or adjustable wrench) used on the rear portion of the suppressor will also work to tighten the suppressor in place (FIGURE 8).



### REMOVAL OF THE DAGGER™-II SUPPRESSOR:

- Unscrew the suppressor by hand. If necessary use a strap wrench on the outside of the suppressor to loosen - or a 3/8" wrench on the front.

**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

- 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 muzzle 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.

---

## DAGGER™-II SUPPRESSOR CONT'D

---

### MAINTENANCE OF THE DAGGER™-II SUPPRESSOR:

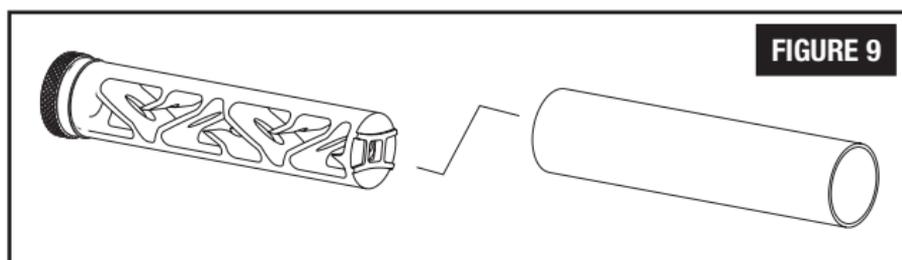
- Because of the high flame temperature, there is no need whatsoever to clean the inside of this suppressor. There is no need to disassemble the suppressor.



**WARNING: DO NOT, UNDER ANY CIRCUMSTANCES, ATTEMPT TO PASS A CLEANING PATCH THROUGH THE DAGGER-II™ SUPPRESSOR.**

- The suppressor and threads must be blown dry with a source of dry compressed air so there is absolutely no residual moisture in the suppressor. Blowing should be done first from the rear and second from the front. Firing with liquid remaining in the suppressor can result in abnormal and erratic internal pressures.

# GMT™ -300 BLK SUPPRESSOR SPECS:



## GEMTECH® GMT™-300 BLK SUPPRESSOR SPECIFICATIONS:

SKU	12119
UPC:	609224345562
Applicable Chamberings and Minimum Barrel Length	300 BLK Subsonic - 7.5" Min BBL 300 BLK Supersonic - 7.5" Min BBL
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes *
Use Wet or Dry?	Dry Only
Overall Length:	6.7"
Diameter:	1.5"
Weight:	13.2 oz.
Tube Material:	6AL4V Titanium
Core Material:	6AL4V Titanium
Tube Finish:	Matte Black High-Temp Cerakote®
Core Finish:	N/A
Mount Type:	5/8-24 Direct Thread
Suppressor Cover:	OK
Supersonic Ammunition:	OK
Disassemble for Cleaning?:	YES
SOUND TESTED:	124dB S&W® M&P® 15 300 BLK 16" 129dB Daniel Defense® DDM4300S 10.5"

\*Fully automatic fire is defined as 4-8 round bursts, every 4-8 seconds.

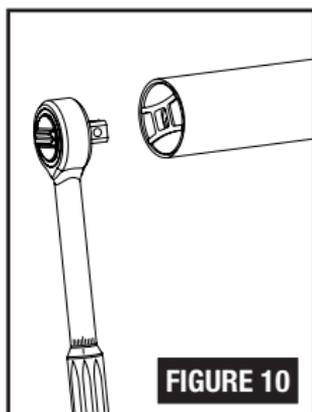


**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

## GMT™-300 BLK SUPPRESSOR CONT'D

### INSTALLATION OF THE GMT™-300 BLK SUPPRESSOR:

- Remove any thread protector or muzzle device. Thread the suppressor clockwise onto the muzzle. Installation requires that the suppressor be screwed hand tight on to the threaded barrel. A 3/8" socket torque wrench (FIGURE 10) can be used on the front of the suppressor to torque it to 35 ft/lbs. If desired, a drop of thread locker such as LOCTITE® 242 "blue" may be used. (FIGURE 10).



### REMOVAL OF THE GMT™-300 BLK:

- Unscrew the suppressor by hand. If necessary use a 3/8 inch socket wrench inserted into the muzzle end to loosen.

**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

### GEMTECH GMT™-300 BLK MAINTENANCE:

- DO NOT attempt to clean or disassemble the GMT™-300 BLK while it is installed on a firearm. Remove the suppressor from the firearm.
- To disassemble the GMT™-300 BLK suppressor, use a 3/8" drive ratchet wrench to loosen the G-CORE®. While holding the external tube in one hand, insert the ratchet wrench into the square cut out at the front end of the suppressor and turn the core. The ratchet wrench must be set to (TIGHTEN) clockwise to loosen and remove the G-CORE® from the tube. Failure to do so can cause you to overtighten the suppressor tube to the core and lead to G-CORE® failure.
- When cleaning suppressor internal components use a nylon brush and non-marring cleaning pics to remove deposits and debris. Metal hand tools like a brass brush and metal cleaning pick can be used only as a last resort to remove stubborn lead and carbon deposits on internal components that are not removed by non-marring tools.

---

## **GMT™ -300 BLK SUPPRESSOR CONT'D**

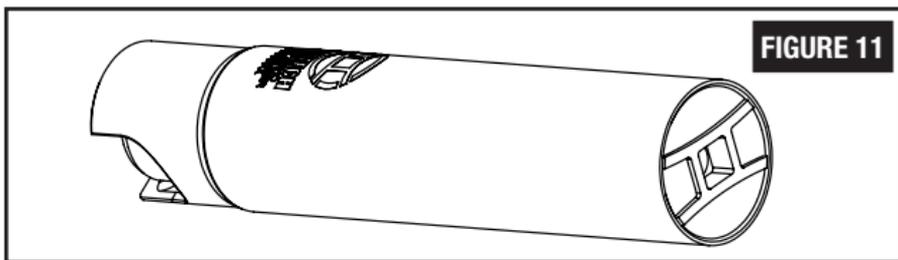
---

- Take care when using metal tools as their use can damage suppressor components and decrease their useful service life. Adherence to the cleaning instructions and intervals in this manual should make the use of metal hand tools rare and unnecessary for routine cleaning.
- Use a CLP (Cleaner, Lubricant, Preservative) to clean.
- To clean the outer tube and threaded components, use a nylon or plastic bristle brush to remove deposits and clean any debris from the threads. If lead/carbon build up persists, the core can be used to break off the buildup. Coat the inside of the tube with CLP, let it sit for a few minutes then run the tube on and off of the core 15-20 times until it feels more like the intended slip fit. Allow both the tube and G-CORE® to dry before reassembly.

### **HAND TIGHTEN ONLY. DO NOT OVERTIGHTEN.**

- Anti-seize lubricant can be applied to the G-CORE® threads if desired.
- Hand tighten the tube to the core.

# GMT-HALO™ SUPPRESSOR SPECS:



## GEMTECH® GMT-HALO™ SUPPRESSOR SPECIFICATIONS:

SKU	12111
UPC:	609224345906
Applicable Chamberings and Minimum Barrel Length	223 REM - 10.3" Min BBL 5.56 NATO - 10.3 Min BBL
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes *
Use Wet or Dry?	Dry Only
Overall Length:	6.9"
Diameter:	1.5"
Weight:	12.8 oz.
Tube Material:	6AL4V Titanium
Baffle Material:	Inconel 718 Blast Baffle, 6AL4V Titanium Baffles
Tube Finish:	Matte Black High-Temp Cerakote®
Baffle Finish:	N/A
Mount Type:	HALO Closer, Fits A1/A2 Flash Hider
Suppressor Cover:	OK
Supersonic Ammunition:	OK
Disassemble for Cleaning?:	NO
SOUND TESTED:	134dB Colt® M4 Carbine 5.56mm 14.5"

\*Fully automatic fire is defined as 4-8 round bursts, every 4-8 seconds.

## FIREARM PREPARATION PRIOR TO FIRING

• In order to maintain proper suppressor alignment with the bore, it is absolutely essential that the flash hider be concentric with the bore. If it is not, alignment will be impossible. Baffle strikes from misalignment are the responsibility of the user. For there to be proper alignment, it is essential that the muzzle device backs against a surface that is 90° to the bore axis. Any washer that does not have perfectly parallel sides will tilt the muzzle device. Lock washers and crush washers cannot provide parallel sides and will always result in misalignment. For this reason, a shim washer set is included with the suppressor for proper clocking of the flash hider. If the muzzle device is already mounted with a peel washer, there is no need to remount. The crush washer can be easily identified by its black color and slight taper.



**WARNING: NEVER USE A CRUSH WASHER FOR THE INSTALLATION OF THE GMT-HALO™ SUPPRESSOR - MISALIGNMENT MAY OCCUR.**

## THE LOCK WASHER OR CRUSH WASHER REMOVAL

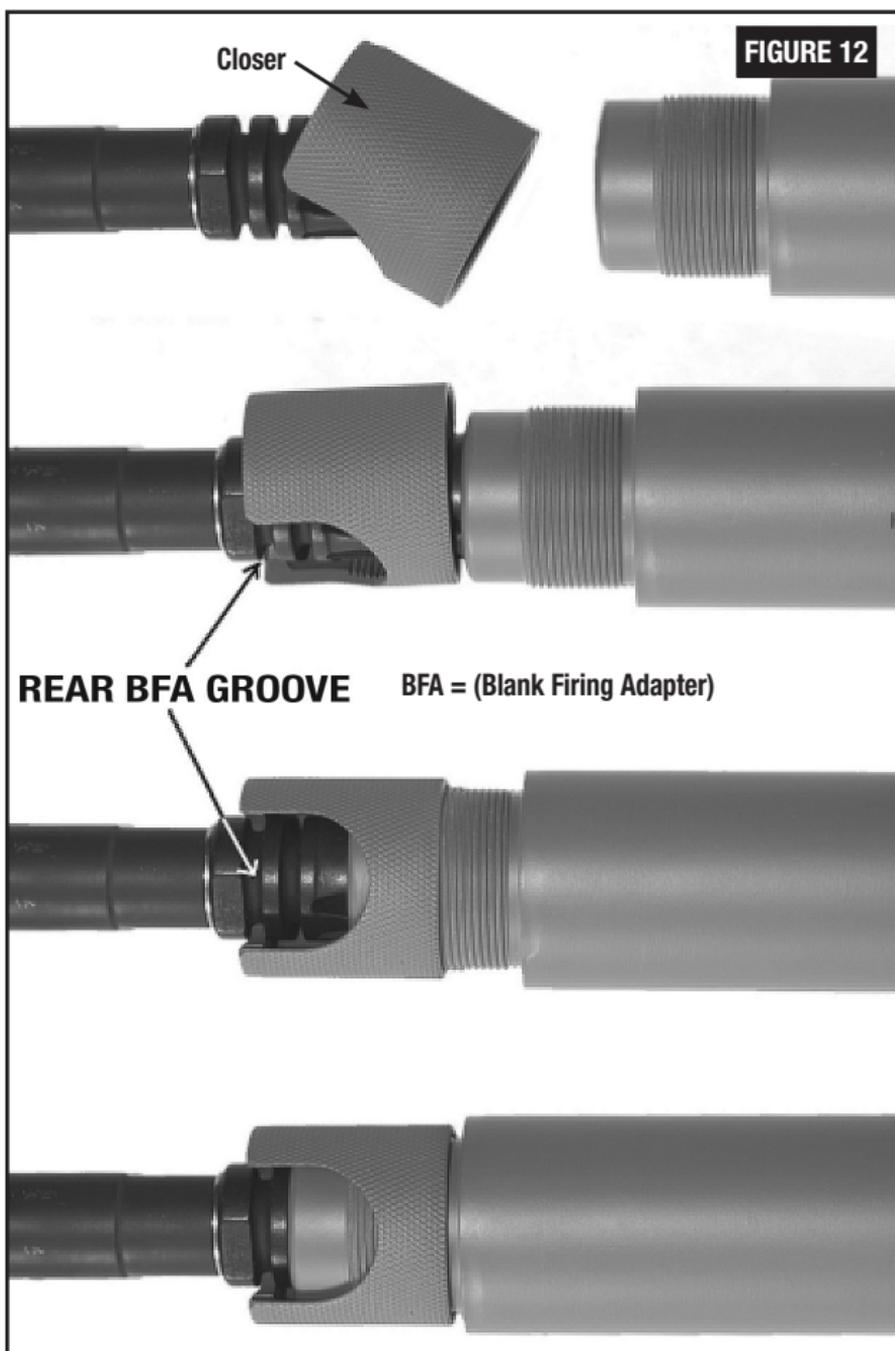
- 1) Remove existing flash hider from the muzzle of the firearm using either the Combination Wrench (NSN 4933-00-070-9152) or a 3/4" open wrench. Remove and discard the existing crush or lock washer.
- 2) Clean the barrel threads of all dirt, grease, rust and other foreign matter using an approved solvent such as MEK (methyl ethyl ketone). Rust, if any, must be removed with a wire brush or steel wool.
- 3) The desired orientation of the A2 flash hider or dimensionally similar muzzle brake is with the non-slotted portion down. Symmetric flash hidere (A1) do not need orienting and may be mounted without shims.
- 4) Confirm proper alignment by mounting the suppressor and utilizing a suppressor alignment gage of the proper diameter. Slide the gage down the barrel through the exit hole of the sound suppressor. Correct alignment is verified when the gage is centered and does not touch the exit aperture of the sound suppressor.

# GMT-HALO™ SUPPRESSOR CONT'D

## MOUNTING THE GMT-HALO™ SUPPRESSOR

**⚠ WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

- Mounting and dismounting the suppressor on the firearm varies only minimally between the HALO variants. Refer to FIGURE 12.
- Remove the closer (FIGURE 12) from the suppressor.
- Angle the closer to slide over the flash hider (FIGURE 12).



---

## **GMT-HALO™ SUPPRESSOR CONT'D**

---

- For the GMT-HALO, position the closer into the rear groove just forward of the wrench flats (rear BFA (Blank Firing Adapter) groove).
- Slide the suppressor over the flash hider and screw into the closer until snug.

### **MAINTENANCE PROCEDURES FOR THE GMT-HALO™**

1) The interior does not require cleaning. DO NOT make any attempt to clean the interior of the suppressor. High propellant flame temperatures minimize internal carbon build-up. Gemtech is not responsible or liable for any damage that results from the failure to observe all applicable product warnings and instructions.

### **TROUBLESHOOTING FOR THE GMT-HALO™**

• This section contains basic troubleshooting information for locating and correcting the more common issues which may develop with the GMT-HALO™. Each malfunction for an individual component, unit, or system is followed by a list of tests or inspections that will help to determine probable causes and corrective action to take. Perform the tests/inspections and corrective actions in the order listed. This manual cannot list all possible malfunctions that may occur, or all possible tests or inspections and corrective actions. If a malfunction is not listed (except when malfunction and cause are obvious), or is not corrected by listed corrective actions, the manufacturer should be contacted.

1) Flash hider loose, misaligned, or damaged: Reinstall (or install a new flash compensator) with new shim washer set (A2). If using an A1 flash compensator, no shims or washers are necessary. Gage alignment with alignment rod while suppressor is mounted.

2) Poor group size/accuracy: Inspect the front end cap. If there is evidence of damage from bullet impact or copper streaking, this is an indication of misalignment requiring remounting and regauging of the flash compensator.

3) Suppressor will not fit on flash hider: Clean flash hider and mating surface inside suppressor mount, lubricate with a CLP (Cleaner, Lubricant, Preservative). For cleaning the female surface inside the mount, a brush for cleaning 3/4" copper pipe fittings may be used. Be sure that the inside mounting surface is dry.

---

## GMT-HALO™ SUPPRESSOR CONT'D

---

4) Retaining collar will not screw suppressor tightly on flash hider: Clean threads with a CLP (Cleaner, Lubricant, Preservative). Be certain retaining collar encloses entire flash hider or is engaged in the rear blank firing attachment groove for the GMT-HALO suppressor.



**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

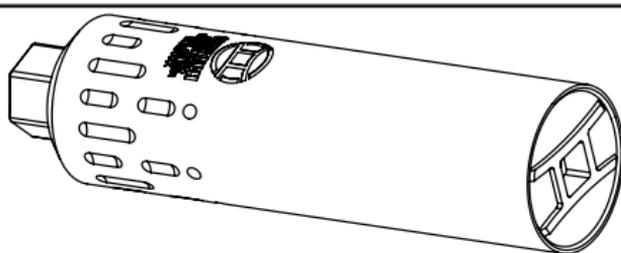
### OPERATING TEMPERATURES FOR THE GMT-HALO™

- During use, the GMT-HALO suppressor absorbs large quantities of heat from the burning propellant gases. This heat is dissipated by radiation, convection, and conduction. The heat buildup is particularly noticeable during fully automatic fire, where the temperature of the suppressor can easily exceed 900°F in a short period of time. The rate of heat build-up approximates 7.5°F per round. The rate of cooling in the atmosphere increases slightly as the temperature differential between the suppressor and the ambient air increases. The elevated temperatures can pose a hazard to personnel and materials that may contact the suppressor when hot. Although not recommended, the suppressor can be cooled rapidly by immersion in a nonflammable liquid, such as water followed by complete drying prior to use.

### AMMUNITION AND DUTY CYCLE FOR THE GMT-HALO™

- Subsonic ammunition is not recommended for use with this suppressor. With rare exceptions, subsonic ammunition does not stabilize properly, resulting in excessive yaw and potential baffle contact. With loose military chambers, there may not be enough pressure to properly obturate the neck, resulting in projectiles stuck in the barrel.

# TREK®-II SUPPRESSOR SPECIFICS:



**FIGURE 13**

## GEMTECH® TREK®-II SUPPRESSOR SPECIFICATIONS:

<b>SKU</b>	12110
<b>UPC:</b>	609728889609
<b>Applicable Chamberings and Minimum Barrel Length</b>	223 REM - 10.3" Min BBL 5.56 NATO - 10.3 Min BBL
<b>Ammunition Requirements:</b>	Full metal jacket ammunition - See Pg 8 for Ammunition Requirements
<b>Full-Auto Rated:</b>	Yes *
<b>Use Wet or Dry?</b>	Dry Only
<b>Overall Length:</b>	5.7"
<b>Diameter:</b>	1.5"
<b>Weight:</b>	16.2 oz.
<b>Tube Material:</b>	17-4 Stainless Steel
<b>Baffle Material:</b>	17-4 Stainless Steel
<b>Tube Finish:</b>	Matte Black High-Temp Cerakote®
<b>Baffle Finish:</b>	N/A
<b>Mount Type:</b>	1/2-28 Direct Thread
<b>Suppressor Cover:</b>	OK
<b>Supersonic Ammunition:</b>	OK
<b>Disassemble for Cleaning?:</b>	NO
<b>SOUND TESTED:</b>	136 dB 5.56mm Daniel Defense® - 16"

\*Fully automatic fire is defined as 4-8 round bursts, every 4-8 seconds.

---

## TREK®-II SUPPRESSOR CONTINUED

---



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

- The TREK®-II sound suppressor fits a variety of 223 REM caliber centerfire rifles which utilize 1/2"-28 tpi muzzle threads, including the M16, AR15, AR-18 and similarly threaded rifles. Threads cut by anyone other than the original manufacturer should not be used. The TREK®-II is intended for the 223/5.56 NATO cartridge and should not be used with higher powered 22 caliber cartridges, such as 22-250 Rem or 220 Swift.

### HEAT BUILDUP OF THE TREK®-II SUPPRESSOR

- Although designed to withstand limited fully automatic fire, heat buildup with fully automatic fire can reach levels that can cause severe burns and ignite flammable materials. Temperature increases average 7.5°F per round, and a 30 round magazine will raise the suppressor approximately 225°F above ambient air temperature. After 60-80 rounds full-auto, the suppressor and barrel should be allowed to cool to room temperature.

### AMMUNITION FOR USE IN THE TREK®-II SUPPRESSOR

- Because many of the partially jacketed bullets used in 223 REM/5.56 NATO ammunition can have jacket separation, we recommend that only full metal jacketed bullets be used with the suppressor.



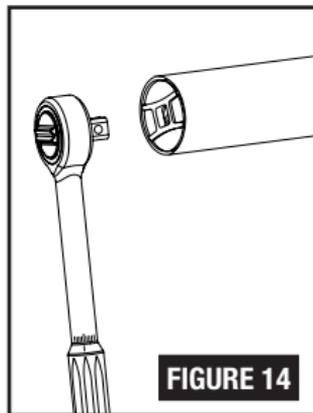
**WARNING: JACKET SEPARATION WILL CAUSE THE BULLET TO TUMBLE WHILE IN THE SUPPRESSOR WHICH CAN SERIOUSLY DAMAGE THE INTERNAL BAFFLES LEADING TO SUPPRESSOR FAILURE AND POSSIBLE INJURY. THE ULTRA-FRANGIBLE AMMUNITION IS MOST APT TO HAVE JACKET SEPARATION IN THE SUPPRESSOR. GEMTECH IS NOT RESPONSIBLE OR LIABLE FOR ANY DAMAGE THAT RESULTS FROM THE FAILURE TO OBSERVE ALL APPLICABLE PRODUCT WARNINGS AND INSTRUCTIONS.**

### INSTALLATION OF THE TREK®-II SUPPRESSOR

- The flash hider must first be removed from the rifle, and the suppressor screwed on to the end of the barrel.

## TREK®-II SUPPRESSOR CONTINUED

- Because the suppressor aligns on the muzzle threads and against the shoulder at the rear of the muzzle threads, it is of utmost importance to be certain that the suppressor is at all times screwed tightly onto the muzzle of the firearm. If present, remove the thread protector. Installation requires that the suppressor be screwed hand tight on to the threaded barrel. A 3/8" socket torque wrench (FIGURE 14) can be used on the front of the suppressor to torque it to 35 ft/lbs. If desired, a drop of thread locker such as LOCTITE® 242 "blue" may be used.



- Do not use any type lockwasher or the factory crush washer. Lockwashers or the crush washer will cause misalignment. It is possible that with firing, the suppressor will unscrew, which can create misalignment. Therefore it is imperative that the shooter periodically check to be certain that the suppressor remains screwed tightly onto the firearm.



**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

### ABOUT CLEANING OF THE TREK®-II SUPPRESSOR

- Because of the high flame temperatures, there is no need whatsoever to clean this suppressor when used on firearms chambered for the 5.56 NATO cartridge. There is no need to disassemble the suppressor.

# PATROLMAN™ SUPPRESSOR SPECS:

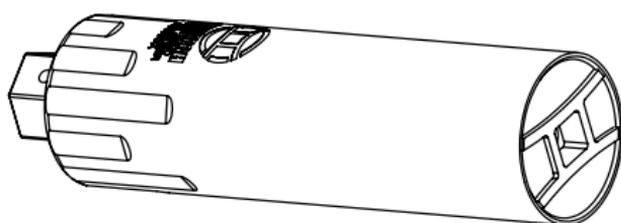


FIGURE 15

## GEMTECH® PATROLMAN™ SUPPRESSOR SPECIFICATIONS:

SKU	12109
UPC:	609224347610
Applicable Chamberings and Minimum Barrel Length	223 REM - 10.3" Min BBL 5.56 NATO - 10.3 Min BBL
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes *
Use Wet or Dry?	Dry Only
Overall Length:	5.7"
Diameter:	1.5"
Weight:	12.3 oz.
Tube Material:	6AL4V Titanium
Baffle Material:	Inconel 718 Blast Baffle, 6AL4V Titanium Baffles
Tube Finish:	Matte Black High-Temp Cerakote®
Baffle Finish:	N/A
Mount Type:	1/2-28 Direct Thread
Suppressor Cover:	OK
Supersonic Ammunition:	OK
Disassemble for Cleaning?:	NO
SOUND TESTED:	135dB PWS Mk118 .223 18" 138dB Colt® M4 Carbine 5.56 14.5"

\*Fully automatic fire is defined as 4-8 round bursts, every 4-8 seconds.

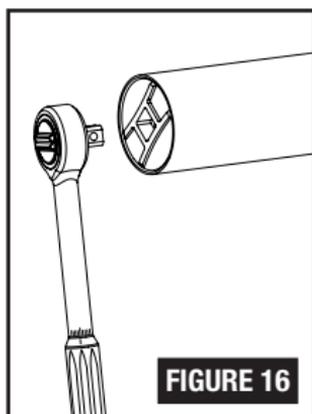
## PATROLMAN™ SUPPRESSOR CONTINUED



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

### MOUNTING THE PATROLMAN™ SUPPRESSOR

- If present, remove the thread protector. Installation requires that the suppressor be screwed hand tight on to the threaded barrel. A 3/8" socket torque wrench (FIGURE 16) can be used on the front of the suppressor to torque it to 35 ft/lbs. If desired, a drop of thread locker such as LOC-TITE® 242 "blue" may be used.



- The threads are standard right-hand. Never use any type of washer, crush washer, or lockwasher when mounting the suppressor. Crush washers or lockwashers will cause misalignment and damage. During use, suppressors will become extremely hot. Do not touch while hot! Failure to comply may result in burns or melted clothing. To remove, unscrew the suppressor and replace the thread protector.



**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

### CLEANING THE PATROLMAN™ SUPPRESSOR

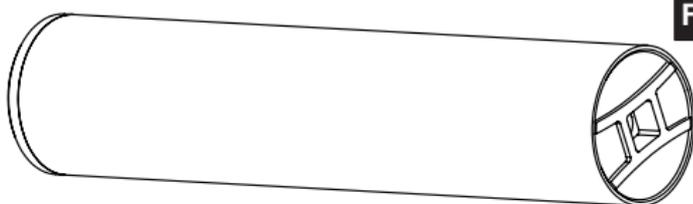
- We have found no need for cleaning the inside of the suppressor.

- All threads, mounting surfaces, and alignment surfaces should be inspected and remain clean. They may be cleaned with a nylon brush dipped in a CLP (Cleaner, Lubricant, Preservative). Unlike firearms, it is not necessary or desirable to clean centerfire rifle suppressors. It is acceptable to blow out particulate matter with dry high pressure compressed air.



**WARNING: DO NOT, UNDER ANY CIRCUMSTANCES, ATTEMPT TO PASS A CLEANING PATCH THROUGH THE PATROLMAN™ SUPPRESSOR.**

# SHIELD™ SUPPRESSOR SPECS:



**FIGURE 17**

## GEMTECH® SHIELD™ SUPPRESSOR SPECIFICATIONS:

<b>SKU</b>	12108
<b>UPC:</b>	609224347603
<b>Applicable Chamberings and Minimum Barrel Length</b>	223 REM - 10.3" Min BBL 5.56 NATO - 10.3 Min BBL
<b>Ammunition Requirements:</b>	See Pg 8 for Ammunition Requirements
<b>Full-Auto Rated:</b>	Yes *
<b>Use Wet or Dry?</b>	Dry Only
<b>Overall Length:</b>	7.0"
<b>Diameter:</b>	1.5"
<b>Weight:</b>	15 oz.
<b>Tube Material:</b>	6AL4V Titanium
<b>Baffle Material:</b>	Inconel 718 Blast Baffle, 6AL4V Titanium Baffles
<b>Tube Finish:</b>	Matte Black High-Temp Cerakote®
<b>Baffle Finish:</b>	N/A
<b>Mount Type:</b>	Quickmount®
<b>Suppressor Cover:</b>	OK
<b>Supersonic Ammunition:</b>	OK
<b>Disassemble for Cleaning?:</b>	Clean Mount ONLY
<b>SOUND TESTED:</b>	135dB PWS Mk118 .223 18" 138dB Colt® M4 Carbine 5.56 14.5"

\*Fully automatic fire is defined as 4-8 round bursts, every 4-8 seconds.

---

# SHIELD™ SUPPRESSOR CONTINUED

---

## INSTALLATION OF THE GEMTECH SHIELD™ SUPPRESSOR



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

## GEMTECH® Quickmount® MUZZLE DEVICE INSTALLATION

- Unload and clear the firearm.
- Clean and degrease barrel and Quickmount® muzzle device threads with rubbing alcohol.
- The Quickmount® muzzle brake must be timed correctly for proper performance. Correct timing is achieved when the gap between the four circular ports is at 12 o'clock top dead center. Quickmount® flash hidiers do not need to be timed, but positioning the large lug at 12 o'clock top dead center is preferred.
- Hand-tighten the Quickmount® onto barrel and use as few of the included shim washers as possible (DO NOT USE A CRUSH OR SPLIT RING WASHER) allowing for +/- 25° of further travel when the Quickmount® is torqued.
- Tighten with a torque wrench to 30-40 ft/lbs.
- Visually check sound suppressor alignment on the mount by looking through the rear of barrel and ensuring nothing blocks bullet flight path through the sound suppressor when mounted.
- A suppressor alignment gauge of the proper diameter slid down the barrel through the exit hole of the sound suppressor will verify correct alignment when it centers and does not touch the exit aperture of the sound suppressor.
- Once correct alignment and orientation is established, remove the suppressor and Quickmount® from the barrel and complete installation by applying a high temperature thread locking compound, such as Rocksett® brand adhesive, to threads and re-tighten Quickmount® to its final torque.

## SHIELD™ SUPPRESSOR CONTINUED

- Let cure for 24 hours before shooting the installed system.
- The SHIELD™ sound suppressor is offered in Gemtech's patented Quickmount® quick-detach mounting system. Quickmount® flash hider and muzzle brake mounts (FIGURE 18) are available in a wide variety of threads to fit a wide variety of firearms and muzzle threads.



### MOUNTING THE GEMTECH® SHIELD™ WITH Quickmount®

- Place the suppressor over the Quickmount®, line up the two notches, compress internal spring, rotate 1/4 turn clockwise and release spring tension to lock it into position.

### REMOVAL OF THE GEMTECH SHIELD™ SUPPRESSOR

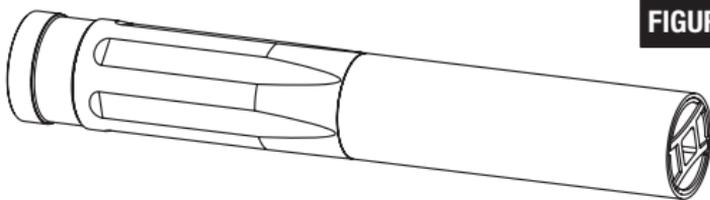
- Compress internal spring, rotate 1/4 turn counter-clockwise and lift suppressor off the Quickmount®.



**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

- 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 muzzle mounted sound 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.

# ARROW® SUPPRESSOR SPECIFICS:



**FIGURE 19**

## GEMTECH® ARROW® SUPPRESSOR SPECIFICATIONS:

SKU	12122
UPC:	609224347863
Applicable Chamberings and Minimum Barrel Length	338 LUPUA MAG - 22" Min BBL 223 REM/5.56 NATO - 10.3" Min BBL 308 Win/7.62x51mm NATO - 12" Min BBL 300 WIN MAG - 18" Min BBL
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	NO
Use Wet or Dry?	Dry Only
Overall Length:	12.1"
Diameter:	1.875"
Weight:	27.5 oz.
Tube Material:	6AL4V Titanium and 7075 Aluminum
Baffle Material:	6AL4V Titanium Blast Baffle, Aluminum 7075 Baffles
Tube Finish:	Matte Black High-Temp Cerakote®
Baffle Finish:	N/A
Mount Type:	3-Lug Quickmount®
Suppressor Cover:	OK
Supersonic Ammunition:	OK
Disassemble for Cleaning?:	NO
SOUND TESTED:	135dB NEMO® Omen Watchman 300WM 24" 136dB PWS MK3 338LM 26"

\*Fully automatic fire is defined as 4-8 round bursts, every 4-8 seconds.

**⚠ WARNING: If 20 rounds (any caliber) are fired rapidly through the ARROW suppressor it is required that the suppressor be allowed to cool to ambient temperature before continuing to fire. Failure to comply may result in damage to or destruction of the suppressor.**

## ARROW® SUPPRESSOR CONTINUED



**WARNING: NEVER ATTACH, TIGHTEN OR REMOVE A SUPPRESSOR FROM A LOADED FIREARM. REMOVE ANY AMMUNITION FROM THE FIREARM'S CHAMBER, ACTION AND MAGAZINE PRIOR TO INSTALLATION, TIGHTENING OR REMOVING THE SUPPRESSOR.**

### GEMTECH ARROW® TRI-LUG MUZZLE BRAKE INSTALLATION

- Unload and clear the firearm.
- Clean and degrease barrel and ARROW® TRI-LUG muzzle brake (FIGURE 20) threads with rubbing alcohol.

- The ARROW® muzzle brake must be timed correctly for proper performance. Correct timing is achieved when the gap between the four circular ports is at 12 o'clock top dead center.

- Hand-tighten the ARROW® TRI-LUG muzzle brake onto barrel and use as few of the included shim washers as possible to time the muzzle break (DO NOT USE A CRUSH OR SPLIT RING WASHER) allowing for +/- 25° of further travel when the muzzle brake is torqued.



- Tighten with a torque wrench to 30-32 ft/lbs ensuring the gap between the four circular ports is at 12 o'clock top dead center.
- Visually check sound suppressor alignment on the mount by looking through the rear of barrel and ensuring nothing blocks bullet flight path through the sound suppressor when mounted.
- A suppressor alignment gage of the proper diameter slid down the barrel through the exit hole of the sound suppressor will verify correct alignment when it centers and does not touch the exit aperture of the sound suppressor.
- Once correct alignment and orientation is established, remove the suppressor and muzzle brake from the barrel and complete installation by applying a high temperature thread locking compound, such as Rocksett® brand adhesive, to threads and re-tighten muzzle brake to its final torque.
- Let cure for 24 hours before shooting the installed system.

---

## ARROW® SUPPRESSOR CONTINUED

---

### INSTALLATION OF THE ARROW® SUPPRESSOR:

- Ensure your 3-LUG Quickmount® is flush to the barrel.

Place the silencer over the 3-LUG Quickmount®, line up the large lug, compress internal spring, rotate clockwise until it locks into position.

### REMOVAL OF THE ARROW® SUPPRESSOR:



**WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN YOU TIGHTEN OR REMOVE A SUPPRESSOR WHILE IT IS HOT.**

- Compress internal spring, rotate counter-clockwise and lift suppressor off the 3-Lug Quickmount® / flash hider.

### MAINTENANCE OF THE ARROW® SUPPRESSOR:

- Because of the high flame temperature, there is no need whatsoever to clean the inside of this suppressor. This suppressor is not meant to be taken apart for cleaning or service.



**WARNING: DO NOT, UNDER ANY CIRCUMSTANCES, ATTEMPT TO PASS A CLEANING PATCH THROUGH THE ARROW® SUPPRESSOR.**

- The only portion of the suppressor which should be cleaned is the mount. The inside of the mount (which receives the body of the flash hider) should be periodically scrubbed lightly with a bronze brush dipped in CLP (Cleaner, Lubricant, Preservative).
- The ARROW suppressor and threads must be blown dry with a source of dry compressed air so there is absolutely no residual moisture in the suppressor. Blowing dry compressed air should be done first from the rear and second from the front. Firing with any liquid remaining in the suppressor could result in abnormally high and erratic internal pressures, resulting in damage.

---

## GEMTECH® PATENT INFORMATION

---

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





301049819296

GEMTECH  
2100 Roosevelt Ave  
Springfield, MA 01104

p/n 3010498

REV:RIFLE\_SUPPRESSORS-102319