



GEMTECH[®]
SUPPRESSORS

Pistol Suppressors
Safety & Instruction Manual For:
AURORA-II[®], LUNAR[®] 9, 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
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
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
ATTACHING SUPPRESSOR TO A FIREARM	9-10
REMOVING SUPPRESSOR FROM A FIREARM.....	10
CLEANING THE SUPPRESSOR	11-13
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
GM™-9 SUPPRESSOR SPECIFICS	20-22
GM™-45 SUPPRESSOR SPECIFICS.....	23-25
LUNAR®9 SUPPRESSOR SPECIFICS	26-35
LUNAR®45 SUPPRESSOR SPECIFICS	36-39
MY SUPPRESSOR MAINTENANCE LOG	40

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 CONTINUED

- **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.
- **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 Pistol Suppressors manual.

YOUR SAFETY RESPONSIBILITIES CONTINUED

• **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.

• **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 CONTINUED

- **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.
- **BEWARE OF BARREL BORE AND SUPPRESSOR OBSTRUCTIONS.** Be sure the firearm’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.

YOUR SAFETY RESPONSIBILITIES CONTINUED

- **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.

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.



WARNING: GEMTECH PISTOL SUPPRESSORS THAT LIST 300 BLK AS AN ACCEPTABLE CALIBER SHOULD ONLY BE USED WITH 300 BLK SUBSONIC AMMUNITION. USE OF SUPERSONIC 300 BLK AMMUNITION IN A GEMTECH PISTOL SUPPRESSOR WILL RESULT IN DAMAGE TO THE SUPPRESSOR AND POSSIBLE INJURY.

ATTACHING SUPPRESSED BARREL OR UPPER RECEIVER



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.

ATTACHING A SUPPRESSOR CONTINUED

- 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.

REMOVING SUPPRESSOR FROM A FIREARM



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.
- Take precautions to avoid exposure to lead (e.g. latex gloves and face dust mask). Use cleaning utensils (nylontoothbrush, 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.

CLEANING THE SUPPRESSOR CONTINUED

- 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. 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.



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.

CLEANING THE SUPPRESSOR CONTINUED

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.

POINT OF IMPACT SHIFTING 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 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

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 will fulfill the letter requirement.

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.

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 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

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

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>

CONTACT & SHIPPING CONTINUED

- 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.

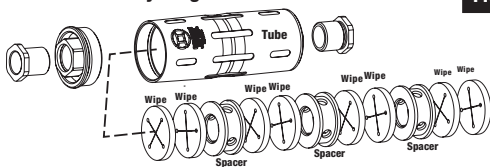
GEMTECH® PATENT INFORMATION

- This product may be covered by one or more patents. Visit www.gemtech.com/patents for virtual patent information.

AURORA-II® SUPPRESSOR SPECS:

Aurora-II® Assembly Diagram

FIGURE 1



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 See Pg 8 for Ammunition Requirements
Full-Auto Rated:	No
Use Wet or Dry?	Wet
Overall Length:	3.5" Including Thread Protectors
Diameter:	1.125"
Weight:	3.2 oz.
Tube Material:	7075 Aluminum
Core Material:	7075 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

AURORA-II® SUPPRESSOR CONTINUED



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: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN TIGHTENING OR REMOVING A SUPPRESSOR WHILE IT IS HOT.

- **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.

- **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.

AURORA-II® SUPPRESSOR CONTINUED

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.

GM™ -9 SUPPRESSOR SPECIFICS:

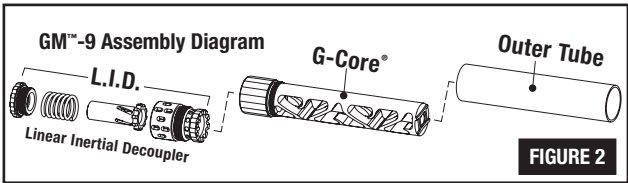


FIGURE 2

GEMTECH® GM™-9 SUPPRESSOR SPECIFICATIONS:

SKU	12124
UPC:	609224348204
Applicable Chambering and Minimum Barrel Length	9mm - 3" Min BBL (Wet or Dry) 300 BLK - 7.5" Min BBL (Dry Only) and fixed mount only
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes*
Use Wet or Dry?	See references for chamberings above
Overall Length:	7.8" with L.I.D.
Diameter:	1.25"
Weight:	8.4 oz. with L.I.D.
Tube Material:	7075 Aluminum
Core Material:	7075 Aluminum
Tube Finish:	Matte Black Type III Hard Coat Anodize
Core Finish:	Matte Black Type III Hard Coat Anodize
Mount Type:	Various Mounts Available
Suppressor Cover:	No
Supersonic Ammunition:	OK when using 9mm 300 BLK Subsonic Only - See Page 8
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 4-8 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.

⚠ WARNING: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN TIGHTENING OR REMOVING A SUPPRESSOR WHILE IT IS HOT.

GEMTECH® GM™-9 SUPPRESSOR CONT'D

- The GM™ 9 suppressor comes with an L.I.D. that allows its use on pistols employing a locked breech system. If this suppressor is used on a fixed barrel firearm, an appropriate thread mount or Quick Mount™ is required. See the Gemtech catalog or web site at www.Gemtech.com for mount options.

- **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 (sold separately - 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.

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. Use a CLP (Cleaner, Lubricant, Preservative) to clean.

4. 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. 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.

GEMTECH® GM™-9 SUPPRESSOR CONT'D

5. 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 G-CORE® to dry before reassembling and using the suppressor

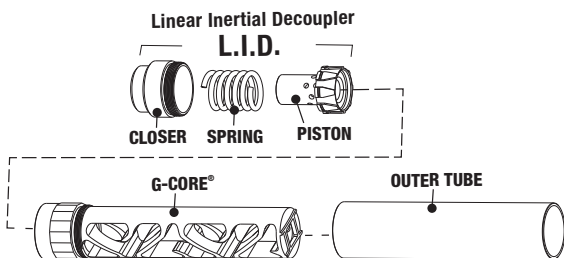
6. To Clean the L.I.D. (Linear Inertial Decoupler) unscrew the end cap. Remove spring and piston. Use a nylon brush (or brass brush only if necessary) and remove deposits with CLP (Cleaner, Lubricant, Preservative) (this is recommended every 250 rounds). Allow to dry then apply a high-temperature grease to the piston and spring. Reassemble L.I.D. parts. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**

- GEMTECH® recommends storing the suppressor dry.

GM™ -45 SUPPRESSOR SPECIFICS:

GM™ -45 Assembly Diagram

FIGURE 3



GEMTECH® GM™-9 SUPPRESSOR SPECIFICATIONS:

SKU	12125
UPC:	609224348181
Applicable Chambering and Minimum Barrel Length	9mm - 3" Min BBL (Wet or Dry) 40 S&W - 3" Min BBL (Dry Only) 10mm AUTO - 5" Min BBL (Dry Only) 45 ACP - 3" Min BBL (Wet or Dry) 300 BLK - 7.5" Min BBL (Dry Only) and fixed mount only
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes*
Use Wet or Dry?	See references for chamberings above
Overall Length:	7.6" with L.I.D.
Diameter:	1.375"
Weight:	10.8 oz. with L.I.D.
Tube Material:	7075 Aluminum
Core Material:	7075 Aluminum
Tube Finish:	Matte Black Type III Hard Coat Anodize
Core Finish:	Matte Black Type III Hard Coat Anodize
Mount Type:	Shipped with a .578-28 standard piston
Suppressor Cover:	No
Supersonic Ammunition:	OK when using 9mm, 40 S&W, 10mm and 45 ACP 300 BLK Subsonic Only - See Page 8
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 4-8 SECONDS	

GEMTECH® GM™ -45 SUPPRESSOR CONT'D



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: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN TIGHTENING OR REMOVING A SUPPRESSOR WHILE IT IS HOT.

- The GM™ 45 suppressor comes with an L.I.D. that allows its use on pistols employing a locked breech system. If this suppressor is used on a fixed barrel firearm, an appropriate thread mount or Quick Mount™ is required (sold separately). See the Gemtech catalog or web site at www.Gemtech.com for mount options.

- **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.**

- **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. If necessary use a strap wrench on rear of suppressor to loosen suppressor.

3. Use a CLP (Cleaner, Lubricant, Preservative) to clean.
4. 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. 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. 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.**

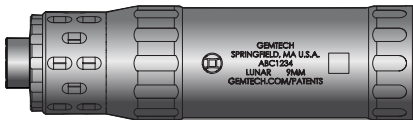
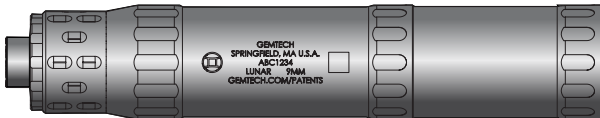
5. To Clean the L.I.D. (Linear Inertial Decoupler) unscrew the end cap. Remove spring and piston. Use a nylon brush and remove deposits with CLP (Cleaner, Lubricant, Preservative) (this is recommended every 250 rounds). Allow to dry then apply a high-temperature grease to the piston and spring. Reassemble L.I.D. parts. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**

- GEMTECH® recommends storing the suppressor dry.

LUNAR[®] 9 SUPPRESSOR SPECIFICS:

Long Configuration

FIGURE 4



Short Configuration

GEMTECH[®] LUNAR[®] 9 SUPPRESSOR SPECIFICATIONS:

SKU	12711
UPC:	609224346637
Applicable Chambering and Minimum Barrel Length	9mm Luger - 3" BBL wet or dry 300 BLK - 8" Min BBL (Dry Only) and fixed mount only
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes*
Use Wet or Dry?	See references for chamberings above
Overall Length:	7' Long configuration / 4.7' Short
Diameter:	1.4"
Weight:	10 oz. Long / 7 oz. Short
Tube Material (Primary & Exten)	7075 Aluminum
Baffles Material:	17-4 Blast Baffle, 7075 Aluminum Baffles
Tube Finish:	Matte Black Type III Hard Coat Anodize
Baffle Finish:	Matte Black Type III Hard Coat Anodize on Aluminum Baffles
Mount Type:	Ships with 1/2 x 28 LID Assembly. Com- patible with all GM-9 mounting options
Suppressor Cover:	No
Supersonic Ammunition:	OK when using 9mm 300 BLK Subsonic Only - See Page 8
Disassemble for Cleaning:	Yes
Sound Tested	128-129dBC SLE Long Configuration 134-135dBC SLE Short Configuration

* FULLY AUTOMATIC FIRE IS 4-8 ROUND BURSTS EVERY 4-8 SECONDS

LUNAR[®]9 SUPPRESSOR CONTINUED



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: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN TIGHTENING OR REMOVING A SUPPRESSOR WHILE IT IS HOT.

- The Lunar[®]9 suppressor can be used as a highly effective full-size unit (long) or configured as a highly maneuverable compact unit.
- The Lunar[®]9 suppressor utilizes two distinct baffle stacks, one in the primary tube and one in the extension (secondary) tube. The baffles in each stack have notches and tabs that only fit with those baffles of the appropriate type. If an incorrect arrangement is attempted, the tubes and/or end cap will have a gap when tightened - indicating an improperly assembled suppressor (see FIGURES 15 thru 18).
- The Lunar[®]9 suppressor comes with an L.I.D. that allows its use on pistols employing a locked breech system. If this suppressor is used on a fixed barrel firearm, an appropriate thread mount or Quick Mount[™] is required (sold separately). See the Gemtech catalog or web site at www.Gemtech.com for mount options.
- The LUNAR[®]9 can be configured “long” or “short” using the diagrams shown (FIGURES 5 and 6 on the following page) as a guide to the proper configuration for each.
- FIGURE 7 (on the following page) shows the component parts of the disassembled Linear Inertial Decoupler (L.I.D.).

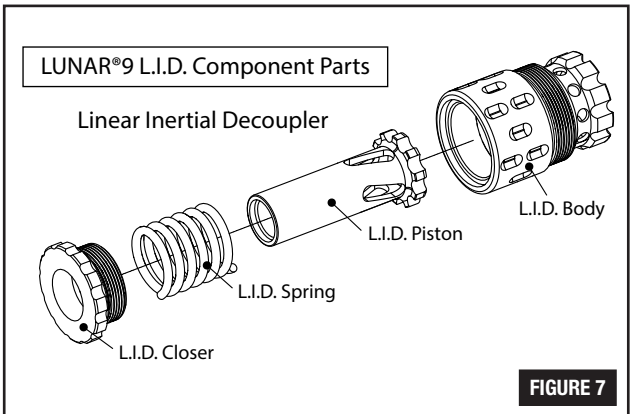
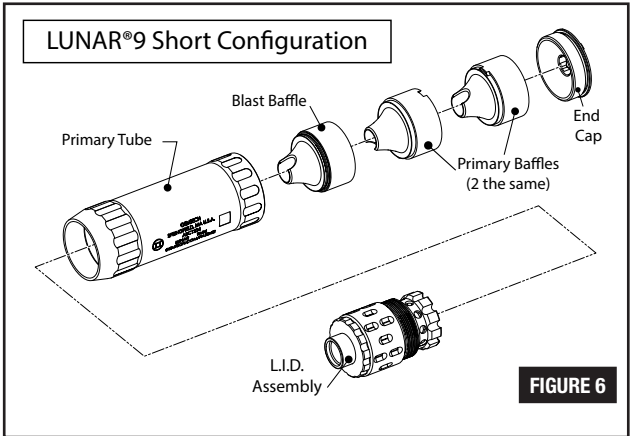
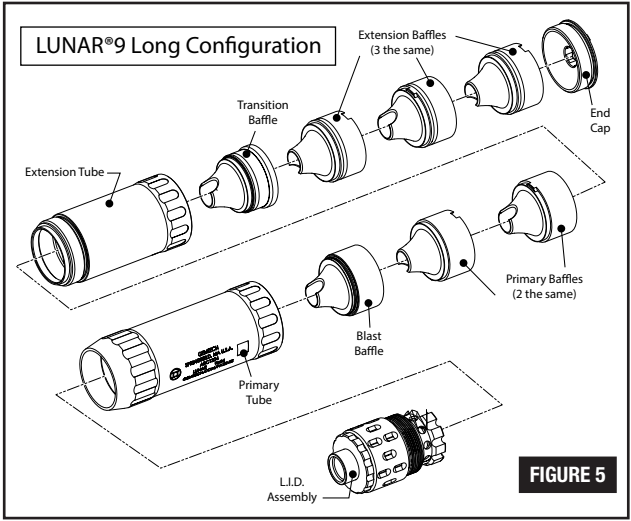
INSTALLATION ONTO FIREARM:

- First, remove any thread protector from barrel.
- Next, thread suppressor onto the muzzle. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**

REMOVAL FROM FIREARM:

- Unscrew the suppressor by hand. If necessary, use a strap wrench on the L.I.D. or any installed thread mount to loosen it from the barrel.

LUNAR®9 SUPPRESSOR CONTINUED

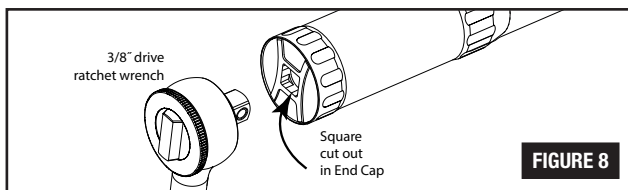


LUNAR®9 SUPPRESSOR CONTINUED

DISASSEMBLY AND MAINTENANCE OF THE LUNAR®9 SUPPRESSOR:

NOTE: Recommended maintenance interval is 250 rounds.

1. DO NOT attempt to clean or disassemble the LUNAR®9 while it is installed on a firearm. Remove the suppressor from the firearm first.
2. Remove the L.I.D. assembly (or thread mount if present) from the rear of the primary tube.
3. Remove the end cap from the front of the tube. Use a 3/8" ratchet drive wrench inserted into the square cutout of the end cap (FIGURE 8).



4. If installed, remove the extension tube from the primary tube.
5. Remove the baffles from both the primary tube and the extension tube.

CAUTION: Due to carbon buildup, the baffles may become hard to remove from the tubes. If necessary, use a wooden dowel to gently press or tap out the baffles from the tubes by pushing on the baffle from the back of the suppressor. Do not use a metal punch, or any other metallic object when pressing or tapping against the baffles. Do not strike the tube on a hard surface to try and get the baffles out. The tubes can be damaged if you strike it on a hard surface.

6. 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. 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.

LUNAR®9 SUPPRESSOR CONTINUED

7. 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.

8. To Clean the L.I.D. (Linear Inertial Decoupler) unscrew the L.I.D. closer. Remove spring and piston (FIGURE 9). Use a nylon brush (or brass brush if necessary) and remove deposits with CLP (Cleaner, Lubricant, Preservative).

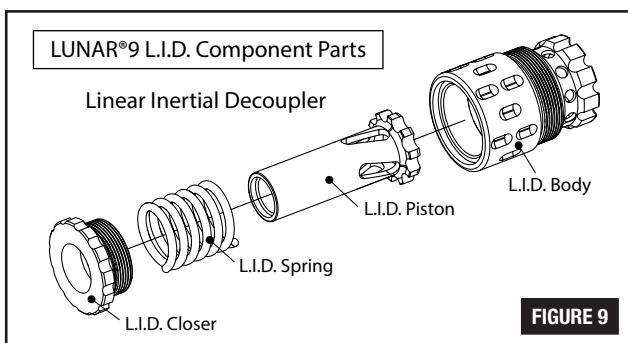
REASSEMBLY OF THE LUNAR®9 SUPPRESSOR:

WARNING: NEVER FIRE A BULLET THROUGH AN IMPROPERLY ASSEMBLED SUPPRESSOR. PERSONAL INJURY MAY RESULT TO THE SHOOTER OR BYSTANDERS AND/OR DAMAGE TO THE SUPPRESSOR COULD OCCUR.

- Prior to reassembly, ensure that all parts have dried and are free of any residual oils.

Assemble the L.I.D. First - See FIGURE 9

1. Place the Spring on the Piston and lubricate the Spring and Piston with a high-temperature grease.



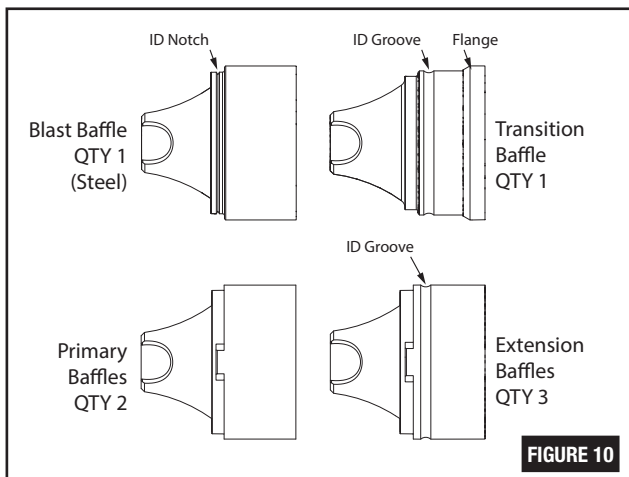
2. Slide the Spring and Piston back into the L.I.D. Body.

3. Screw the L.I.D. Closer to the back of the L.I.D. Body. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**

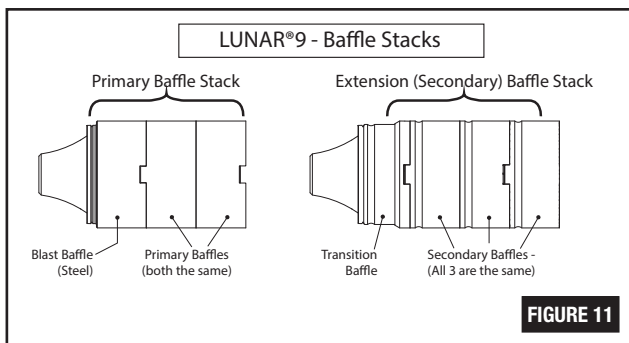
LUNAR®9 SUPPRESSOR CONTINUED

Complete Suppressor Reassembly - Short or Long

1. FIGURE 10 details the four types of baffles used in the Lunar®9 suppressor and how to identify them.

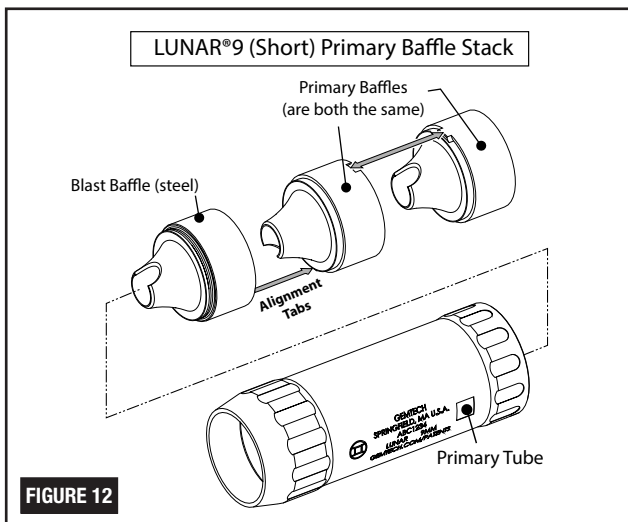


1. Align and stack baffles as shown (FIGURE 11). Take note of which baffles go in which stack - as they are not interchangeable between baffle stacks. Set baffle stacks aside.



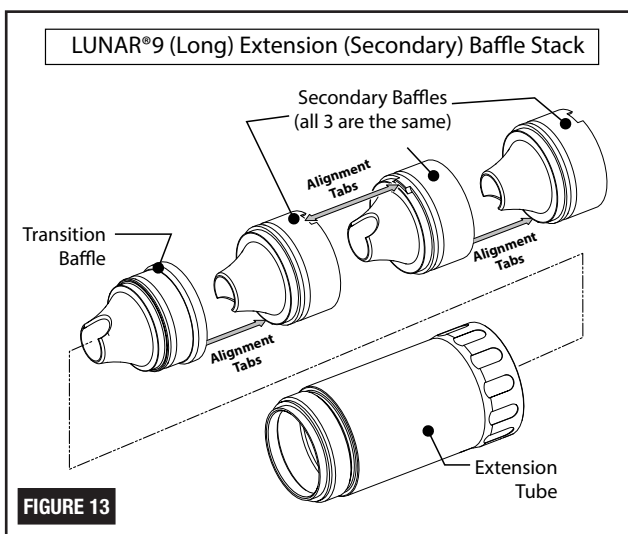
LUNAR®9 SUPPRESSOR CONTINUED

2. Slide the Primary baffle stack into the primary tube as shown in FIGURE 12.



NOTE: If required, use a few drops of CLP on the outside of the baffles to help during reassembly into the tube.

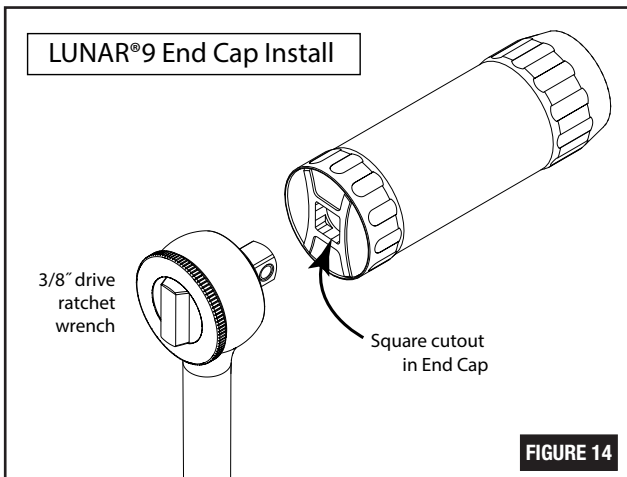
3. Slide the Extension (secondary) baffle stack into the Extension tube as shown (FIGURE 13). Note alignment tabs.



LUNAR®9 SUPPRESSOR CONTINUED

4a. If assembling in the long configuration, screw End Cap into Extension Tube using a 3/8" ratchet drive wrench. Use care not to damage End Cap. Take the Extension Tube assembly and screw it (with End Cap secured) into the Primary Tube. **HAND TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**

4b. If assembling in the short configuration, screw the End Cap into the Primary tube using a 3/8" ratchet drive wrench. Use care not to damage End Cap (FIGURE 14). **DO NOT OVER-TIGHTEN.**



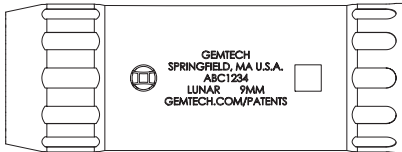
LUNAR®9 SUPPRESSOR CONTINUED

5. Check your assembly by comparing it to FIGURES 15 through 18. If suppressor is assembled correctly, proceed to step 6. If not, disassemble the suppressor and check to make sure the baffle stacks are correct and that they are aligned correctly.

**SHORT
CORRECT**

FIGURE 15

LUNAR®9
Short
Configuration



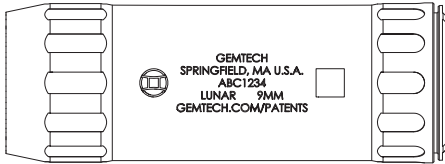
NOTE: When the baffles are stacked correctly and End Cap is installed.

There is no gap between the End Cap and Tube

**SHORT
INCORRECT**

FIGURE 16

LUNAR®9
Short
Configuration



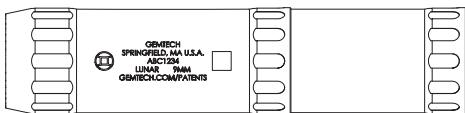
NOTE: Indication that baffles are not stacked correctly and End Cap is installed.

There is a gap between the End Cap and Tube

**LONG
CORRECT**

FIGURE 17

LUNAR®9
Long
Configuration



NOTE: When the baffles are stacked correctly and End Cap is installed.

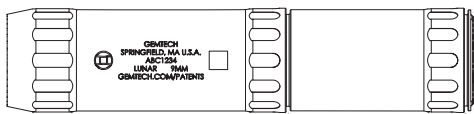
There is no gap between the Primary and Secondary Tube

There is no gap between the End Cap and Tube

**LONG
INCORRECT**

FIGURE 18

LUNAR®9
Long
Configuration



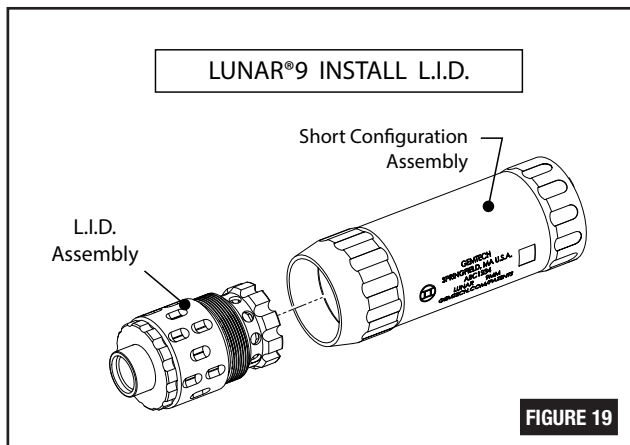
NOTE: Indication(s) that baffles are not stacked correctly in either primary and/or secondary tube and End Cap is installed.

Gap Between Primary and Secondary Tube

Gap Between End Cap and Secondary Tube

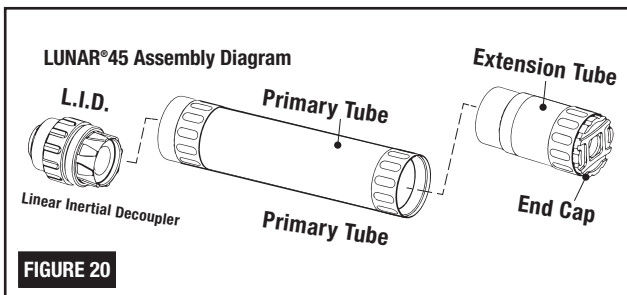
LUNAR®9 SUPPRESSOR CONTINUED

6. Screw in the L.I.D. assembly (or thread adapter) to the rear of the Primary tube (FIGURE 19). HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.



- GEMTECH recommends storing the suppressor dry.

LUNAR® 45 SUPPRESSOR SPECIFICS:



GEMTECH® LUNAR® 45 SUPPRESSOR SPECIFICATIONS:

SKU	12126
UPC:	609224346989
Applicable Chambering and Minimum Barrel Length	9mm Luger - 3" Min BBL 40 S&W - 3" Min BBL (Dry Only) 10mm AUTO - 5" Min BBL (Dry Only) 45 ACP - 3" Min BBL 300 BLK - 7.5" Min BBL (Dry Only) and fixed mount only
Ammunition Requirements:	See Pg 8 for Ammunition Requirements
Full-Auto Rated:	Yes*
Use Wet or Dry?	See references for chamberings above
Overall Length:	8.6" Long, 6.9" Short
Diameter:	1.375"
Weight:	12.3 oz. Long, 10.9 oz Short
Tube Material:	7075 Aluminum
Baffles Material:	6AL4V Titanium Blast Baffle, 7075 Aluminum Baffles
Tube Finish:	Matte Black Type III Hardcoat Anodized
Core Finish:	Nickel Boron
Mount Type:	Shipped with a .578-28 Piston
Suppressor Cover:	No
Supersonic Ammunition:	OK when using 9mm, 40 S&W, 10mm and 45 ACP 300 BLK Subsonic Only - See Page 8
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 4-8 SECONDS

LUNAR®45 SUPPRESSOR CONTINUED



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: USE PROPER SKIN PROTECTION TO PREVENT BURNS WHEN TIGHTENING OR REMOVING A SUPPRESSOR WHILE IT IS HOT.

- The Lunar®45 suppressor can be used as a highly effective full-size unit (long) - or configured as a more compact (short) version.
- The Lunar®45 suppressor comes with an L.I.D. that allows its use on pistols employing a locked breech system. If this suppressor is used on a fixed barrel firearm, an appropriate thread mount or Quick Mount™ is required (sold separately). See the Gemtech catalog or web site at www.Gemtech.com for mount options.
- **INSTALLATION:** First remove any thread protector from barrel. Next, screw the L.I.D. (Linear Inertial Decoupler) onto your suppressor, Thread the 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.
- **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.
 - 3a. 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. 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.

LUNAR®45 SUPPRESSOR CONTINUED

3b. 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.

4. Use a CLP (Cleaner, Lubricant, Preservative) to clean.

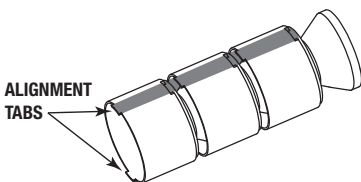
5. Allow both the tube and baffles to dry before reassembly. Lightly lubricate prior to reassembly. **HAND-TIGHTEN ONLY. DO NOT OVER-TIGHTEN.**

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.**

• FIGURE 21 (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.



Proper Baffle Alignment Shown Below

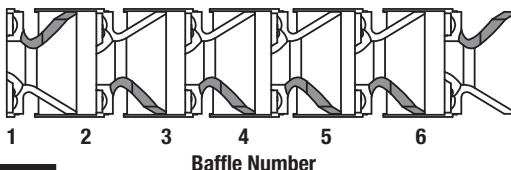
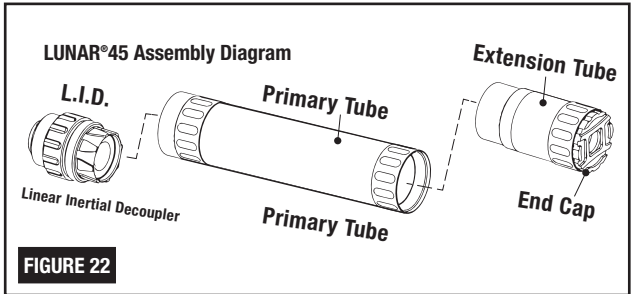


FIGURE 21

LUNAR®45 SUPPRESSOR CONTINUED

- FIGURE 22 shows the orientation of the L.I.D. assembly, the primary tube and the extension tube to one another.



NOTE: If required, use a few drops of CLP on the outside of the baffles to help during reassembly into the tube.

MY GEMTECH® SUPPRESSOR MAINTENANCE LOG

MY SERIAL NUMBER: _____

PURCHASE DATE: _____

MM/DD/YY	ROUND COUNT
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____



30 1047119268

GEMTECH
2100 Roosevelt Ave
Springfield, MA 01104