



# ALLEY CAT

## Owner's Manual

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### Address

5800 Enterprise Dr.  
Jackson, MI 49201

### PHONE

517-780-9090



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## Thank You for Purchasing the Alley Cat!

Thank you for your purchase of a GSL Technology suppressor. We take pride in our engineering driven products that are now, and will always be, designed and manufactured entirely in the United States.

With 9 patents to his credit, and over 35 years of suppressor design and manufacturing experience, our owner and founder Greg Latka has been one of the driving forces in the suppressor industry.

We are confident that you have in your hands, one of the best firearm suppressors available today. Marketing hype is one thing, but performance is entirely different. Our suppressors will quietly perform with the enduring reliability that you can count on for years to come.

GSL Technology is an engineering, performance driven company. We are one of the very few ISO 9000 certified companies in the industry. That means that our company holds itself to a higher level of accountable quality that remains constant over time.

We strive to design and manufacture the best suppressors available on the market within their service criteria.

If you are new to suppressors, you are in for a treat. If you're an old pro, we hope that you will enjoy the fruits of our labor and spread the word!



# Alley Cat Specifications

- Caliber: .32ACP
- Sound Reduction: 27 dB
- Length: 4.8" (includes mount)
- Diameter: 1.25"
- Weight (with mount): 4 oz
- Materials: Aluminum
- Finish: Hard Coat Anodize
- Mount: 1/2x28 direct thread

## **Notes:**

The Alley Cat suppressor is optimized for use with the Beretta Tomcat .32ACP handgun.

The Alley Cat suppressor is NOT rated for fully automatic firing.

The GSL Alley Cat suppressor is a user serviceable suppressor and comes with an assembly/dis-assembly tool.

# Alley Cat Box Contents

Be sure to let us know if anything is either missing or damaged within this box and we will gladly get you whatever might need to be replaced. Please read this owner's manual all the way through prior to shooting as it contains important safety and operating information. Your GSL Alley Cat Suppressor is a high performance tool designed to give you many years of reliable service.



- 1) GSL Technology Alley Cat Suppressor
- 2) Purple GSL assembly/disassembly tool
- 3) Alley Cat Suppressor Owners Manual

## ***Bullet Diameter Warning***

GSL Alley Cat Suppressors are for .311" diameter projectiles which correspond to the .32ACP cartridge. Smaller diameter bullets in pistol calibers such as .22's or .25 ACP may be used, but will not be optimized for the larger diameter of the Alley Cat.

**DOUBLE CHECK YOUR CHAMBERING** prior to attaching the GSL Alley Cat Suppressor to your firearm.

## **Alley Cat Suppressor Mount**

The GSL Alley Cat suppressor is only available with the 1/2 x 28 thread direct mount. Do not use any shims or washers in combination with the firearm and the suppressor. The Alley Cat is designed specifically to be used on the Beretta Tomcat handgun and being a blow back operated, fixed barrel, non-tilting (when firing) design, does not require a "booster" for the Tomcat to function reliably with this suppressor.

Commercial loadings for .32ACP are typically sub 1000 fps. Under most environmental conditions, the .32ACP can be considered subsonic and will therefore be very quiet when fired from the Tomcat/Alley Cat combination.



# Mounting the Alley Cat Suppressor on the Firearm

- 1) Remove the thread protector and examine the threads of both the barrel of the firearm and suppressor for any damage, carbon buildup or debris. Repair, clean and/or remove anything on the threads and insure that they are clean.
- 2) Carefully align the suppressor to the barrel, and lightly press the suppressor onto the barrel so that you can feel the threads.
- 3) Rotate the suppressor counter clockwise while putting a VERY slight amount of pressure inward in order to insure that the starter threads are aligned.
- 5) Now gently rotate the mount clockwise, feeling for any resistance that may indicate the start of cross threading. If no resistance to rotation is noted, continue until the suppressor is firmly in place and fully seated against the shoulder of the barrel threads. BE CAREFUL NOT TO CROSS THREAD.
- 6) Fully screw the suppressor in until it is snug.



## Alley Cat Suppressor Accessories

The GSL Technology Alley Cat is designed for a lifetime of shooting. Some accessories for this suppressor may be found to make it more useful for your specific needs. The most up to date list will always be found at [gsltechnology.com](http://gsltechnology.com).

# Removing the Alley Cat Suppressor from the Firearm

To remove, reverse the steps outlined on page 7.

**CAUTION:** Suppressors can gain 7-10° F (or more) per round fired and therefore can be **EXTREMELY HOT** to the touch depending upon how many rounds were fired and over what time frame they were fired. Understand that attempting to remove a hot suppressor without protection (like welder's gloves) can cause severe injury. Also, do **NOT** put your firearm with the suppressor mounted or the suppressor alone when it is hot, into anything that can be melted or otherwise damaged by heat of up to 700° F or more. Your suppressor will cool according to ambient temperature and the initial peak temperature that your suppressor reached, so plan accordingly.



## Disassembly of the Alley Cat Suppressor

The Alley Cat comes with a purple disassembly tool that will open it from the muzzle end. Wear gloves and disassemble in an area that will not be harmed by lead particulate.

- 1) Insert the tool into the end cap
- 2) Rotate it counter clockwise
- 3) Remove the baffles by turning the suppressor so that the threaded end is up, the baffles should fall free. If they don't, a wooden dowel or pencil can be inserted into the threaded end to push the baffles free. Do **NOT** use a metal rod to push as this can damage the baffles.



# Cleaning the Alley Cat Suppressor

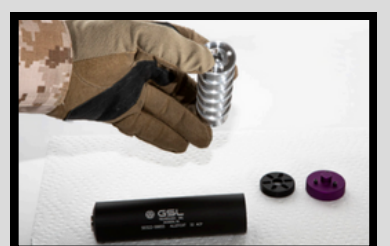
Cleaning the Alley Cat suppressor is something that we don't recommend, it is designed to shoot thousands of rounds through it without the need for cleaning. Shooting corrosive primed ammunition can cause damage to any metal surfaces including your barrel and suppressor, so using such ammunition is never recommended. If you choose to clean the baffles and tube, do not use any products with ammonia in them or water, as these are items that can cause corrosion. The use of 0000 steel wool or green ScotchBrite to remove any buildup is all that you need. Do not use a steel or metal bristled brush. **There is no need to ever clean.**



Never clean to the level of bright metal, it is a waste of time and energy. In essence, if you choose to clean your suppressor, all you need do is remove any loose deposits in the baffle areas, on the baffles and in the tube. Lightly clean with Scotchbrite or 0000 steel wool and then reassemble. Remember, you don't clean your automobile's muffler, so don't worry about cleaning your suppressor, both were designed to function with the byproducts of combustion inside them...

If you choose to clean, remember, you don't have to clean back to bare metal on every surface, and in fact, you should not. Suppressors actually work a little better when they are a bit dirty surprisingly enough. Use the Scotchbrite or the 0000 steel wool to clean off enough of the lead/carbon deposits, so that the pieces can easily be reassembled and that is all you should do. The rims of the baffles, the threads of the end cap (both outside threads of the end cap and inner threads of the suppressor body) and the inside surface of the suppressor body are really, the only areas that you would normally even bother with IF YOU DESIRE TO CLEAN AT ALL. If the center holes/jets of the baffles have lead debris, you can remove this however, be careful not to damage these critical areas. After cleaning, blow all dust and debris off prior to reassembly.

All of the baffles are alike except the blast baffle, which is the baffle closest to the suppressor mount. The blast baffle has a hole in the base, as illustrated in the picture.





## Assembly of the Alley Cat Suppressor

Assembly of the Alley Cat is very straightforward. Stack the baffles on the table, being sure that the blast baffle is the top baffle. There is no order nor orientation of the baffles to each other, besides the blast baffle location. Re-assemble by carefully inserting the tube onto the stack, and preventing the stack from becoming dislodged as you bring it into position to screw on the end cap. Thread the end cap on and snug down with the purple tool. When properly seated, the end cap will be flush with the body.



# Warnings



**WARNING!** Read the operation and maintenance manual in its entirety before using suppressor. Failure to follow the installation and maintenance instructions detailed in this manual can result in potential for serious injury to the user and damage to the weapon.



**Verify Firearm is Unloaded.** Visually and physically confirm your firearm is unloaded before attempting or performing any of the procedures in this manual. Failure to ensure the firearm is unloaded could result in unintentional discharge, causing injury or death.



**BURN WARNING:** Allow suppressor to cool to ambient temperature before removal and/or service. The outside surface temperature of this suppressor may exceed 40 C/104 F. Therefore protective gloves should be worn at all times in attaching or detaching the suppressor. Failure to do so may result in severe burns to hands and any other unprotected skin surface.



**PINCH WARNING:** Could be customized to the multi cal (as to changing out) but in attaching or detaching the can for all cans. \*The point of attachment and detachment is a pinch point and caution should be taken, including wearing protective gloves, to avoid severe injury at this pinch point.



**MUZZLE WARNING:** The muzzle of the firearm is different when a suppressor is attached. However, this is still the point where the projectile exits the weapon system and the muzzle should not cover or sweep any area the user is not wanting to shoot and kill.



**SONIC CRACK WARNING:** This suppressor will not protect end-users and those in close proximity from hearing damage when, and if, the projectile crosses the sound barrier. Thus, proper hearing (and eye protection) should be worn at all times.

## Warranty Information

Unconditional Lifetime Warranty. If for any reason you have an issue with a GSL Technology product, we will repair or replace it free of charge. Warranty does not apply if product is altered in any way.

**Damaged Suppressor:** This or any suppressor may not properly operate and create significant risk of injury or death if damaged or obstructed. Any and all such damage should be reported to an Armor familiar with this suppressor and the weapon system or it should be returned with the RA to GSL Technology, Inc. For more information, contact GSL Technology, Inc. at: [warranty@gsltechnology.com](mailto:warranty@gsltechnology.com).

## Manufacturer's Disclaimer

GSL Technology, Inc. manufactures all suppressors the highest quality and technical standards in the industry. However, improper usage by any end-user by this product may result in serious injury to the user or third parties. Therefore, it is the user's responsibility to understand this product and the weapon system used therewith. If you do not understand the instructions in this manual, please contact GSL Technology for further clarification at <http://www.gsltechnology.com>. GSL Technology, Inc. shall have no liability for incidental or consequential damages and under no circumstances be liable for personal injury, death, property damage, environmental damage or economic losses of any type caused by the misuse of this product or negligence on the part of the user. To the extent allowed by law, all liability from act or omission from improper usage of this suppressor is disclaimed. The warranty and disclaimer in this manual for the suppressor is subject to all laws which may limit these terms. To the extent allowed by law, the purchase of this product places an affirmative duty on any distributor, retailer or user to transmit this manual with the suppressor.

For the latest, most complete version of this manual, please visit <http://www.gsltechnology.com>.



**QUESTIONS?  
CONTACT US.**

Jackson, Michigan  
517-780-9090

**GSL Technology, Inc.  
Suppressors are proudly  
made in the United  
States of America.**

