



COBRA-45

Owner's Manual

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TABLE OF CONTENTS

Introduction.....	3
Specifications.....	4
Cobra-45 Box Contents.....	4
Bullet Diameter Warning.....	5
Cleaning the Cobra-45.....	5
Mounting the Flash Hider on the Barrel.....	6
Mounting the Cobra-45 on Bi-Lock Flash Hider.....	7
Removing the Cobra-45 from the Firearm.....	7
Warnings.....	8
Warranty Information.....	9
Manufacturer's Disclaimer.....	9

Thank You for Purchasing the Cobra-45!

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!



Cobra-45 Specifications

- Caliber: .45ACP
- Sound Reduction: 30 dB
- Length: 9" (direct thread) or 10" (QD mount)
- Diameter: 1.5"
- Weight 13 oz
- Materials: Aluminum
- Finish: Hard Coat Anodized
- Mount: Options include .578-28 (37/64 - 28), M16x1 RH, M16x1LH, 9/16-24 , or 1/2x28Direct Thread with patented suppressor retention system** or Bi-Lock Quick Disconnect

Notes:

- The GSL Cobra-45 suppressor is a non-user serviceable suppressor.
 - The GS Cobra-45 suppressor IS fully auto rated
- ** Other thread pitches possible on special request for a possible additional charge.
- The GSL Cobra-45 is a 45cal suppressor is built exclusively by GSL Technology Suppressors of Jackson, MI. The GSL Cobra-45 is in no way connected to Colt Firearms, Colt USA, Colt's Manufacturing LLC, or any other firearms manufacturer etc
- *****

Cobra-45 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 Cobra-45 Suppressor is a high performance tool designed to give you many years of reliable service.



- 1) GSL Technology Cobra-45 Suppressor
- 2) GSL Technology Cobra-45 Bi-Lock Mount
- 3) Cobra-45 Suppressor Owners Manual

Bullet Diameter Warning

GSL Cobra-45 Suppressors have the following limitations. Generally, rounds of .452" are recommended (.45ACP). Smaller diameter bullets in pistol calibers may be used, but will not be optimized for the larger diameter of the Cobra-45.

For best performance, shooting .45 ACP 230gr subsonic rounds should be used.

DOUBLE CHECK YOUR CHAMBERING prior to attaching the GSL Cobra-34 Suppressor to your firearm.

Cleaning the Cobra-45

Cleaning the Cobra-45 suppressor is something that we don't recommend, it is designed to shoot tens of 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. **Again, we do NOT recommend cleaning. Cleaning debris can get into the chambers and possibly cause damage. We DO recommend that you clean the flash hider and the QD mount.**

Mounting the Flash Hider on the Barrel

Use ONLY the supplied GSL Bi-Lock Flash Hider

- 1) First, remove any existing flash hider and crush washer. A crush washer is a washer is pictured below. Old style crush washers are sometimes split with a bend that prevents it from laying flat on a table (potato chip shaped when looking on edge) or may be star shaped with many points. NEVER use a crush washer when installing a GSL Bi-Lock Flash Hider or when using a direct thread adapter. A crush washer will cause any suppressor to possibly be mounted in a non-concentric way so that there is a greater likelihood of a baffle or end cap strike to occur, thus damaging your suppressor.
- 2) Degrease with alcohol, all threads using a soft cloth or paper towel for the barrel threads and a Q-Tip swab for the inside threads of the Bi-Lock Flash Hider. Using a bit of denatured alcohol (DNA), acetone or another degreasing agent will be helpful to insure clean surfaces. Just a very small amount is needed. It is critical to have these threads free from contamination.
- 3) Apply 2 drops of Loctite 262 (non permanent Loctite) on the barrel threads and flash hider threads.



4) If the flash hider lugs do not line up either vertically or horizontal relative to the rifle, use shims to adjust. This is known as adjusting the timing of the flash hider. Each barrel will have threads cut that may start or finish in a different location so attaching anything to those threads may cause the timing to be off relative to the requirements for that device. By timing the lugs either vertically or horizontally for that barrel, you will always have a uniform position for the suppressor to mount to. For some flash hiders, like those typically found on AR pattern rifles, the bottom of the flash hider is solid (no slots cut in it) in order to prevent a dust signature when shooting in a prone position) so timing these flash hiders are important to time the flash hider to insure that this bottom is where it is supposed to be. If you cannot time your device, you may purchase flat shim washers for either 5.56 or 7.62 muzzle devices through Brownells or possibly at your dealer. Again DO NOT USE A CRUSH WASHER to time your muzzle device.

5) Using a torque wrench and appropriate armorer's tool, torque the flash hider to between 35-45 ft lbs. When torquing the flash hider, care should be taken to insure that either the upper (if a 2 piece receiver type firearm like with AR-15 pattern rifles) or the entire firearm is properly held in a vise or appropriate fixture in such a way that it is both secure and will NOT damage the firearm or finish.



Mounting the Cobra-45 Suppressor on the Bi-Lock Flash Hider

- 1) Look through the suppressor in order to insure that there are no obstructions, damaged baffles or a damaged end cap. Shake the suppressor to insure that there is nothing loose in the suppressor. With an empty firearm, action open, and magazine removed, you are now ready to install your Cobra-45 Suppressor.
- 2) Place the suppressor on the front of the Bi-Lock Flash Hider and rotate the suppressor until the lugs on the flash hider align with the notches. This will only happen in one position. This is engineered so that any POA/POI shift is repeatable and therefore the rifle can be doped for shooting both with, and without the suppressor being in place.
- 3) After the lugs are aligned, press the suppressor down approximately 3/8" and rotate clockwise (looking from the muzzle end down) until it will not rotate further. This will be an approximate 90 degrees. You are compressing a spring so it will take about 15lbs of pressure. You will hear and feel the suppressor click into place as it is seated. The suppressor will pop back forward (away from the firearm) approximately 1/8" as it seats and locks into place.
- 4) Check to insure that the suppressor will not rotate after it is seated. Your suppressor is now both aligned with the bore and ready to be used.



Removing the Cobra-45 Suppressor

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.

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.

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.**

