

**SILENCER<sub>CO</sub>**

**OMEGA 36M**

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FIELD MANUAL



## Warning

Failure to follow installation and maintenance instructions detailed in this manual may result in serious personal injury and damage to the firearm. Do not attempt to use this product unless you have specific training and experience in the use of firearms.

Because suppressed firearms make less noise than unsuppressed firearms, it is easy to forget that they are still firearms and capable of causing bodily injury and

property damage. Remember, a suppressed firearm should be treated with the same safety and caution as an unsuppressed firearm.

Firearm silencers are user-attached firearm muzzle devices, and as such are subject to improper attachment issues unless the procedures outlined in this manual are followed precisely.

Before installing the silencer on the host firearm, be sure that the firearm is unloaded and the action is opened so that the firearm is visibly clear of any ammunition. If you are at all unsure as to the proper procedures to ensure that your firearm is unloaded, please consult your firearm user's manual/instructions and/or contact a properly licensed dealer or the manufacturer or gunsmith of your firearm.

Check the fit between barrel and silencer before firing! The thread mount must be fully shouldered on the barrel. There should be no visible gap between the barrel shoulder and the face of the silencer thread mount. Poor accuracy and product damage may result if the silencer is not properly shouldered.

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## Warning

Silencers must be free of obstructions such as mud, dirt, etc. DO NOT attempt to shoot through an obstructed silencer. If submerged in water, the user must allow sufficient time to drain the silencer completely.

The silencer is designed to suppress the initial muzzle blast and subsequent projectile de-corking pressure. The silencer doesn't contact or otherwise interact with the

bullet, allowing the projectile to travel at its default speed. Because of this, a sonic crack may be produced by the projectile as it breaks the sound barrier.

Depending on the geography of the area, the sonic crack may vary in volume. This is solely a function of the projectile breaking the sound barrier and is not related to product performance.

To ensure your silencer remains secure while firing, it is of the utmost importance that you frequently verify the silencer is securely tightened onto the barrel. We recommend checking the security of the attachment after 30 discharges of the firearm.

Before removing the silencer from the host firearm, be sure that the firearm is unloaded and the action is opened so

that it is visibly clear of any ammunition. When removing the silencer, use extreme caution as it may be hot to the touch after firing. Use heat-resistant gloves to avoid burns or other injuries. Once the silencer is removed from the host firearm, SilencerCo recommends using a thread protector or other muzzle device to protect the muzzle threads and crown, during storage or transport.

## Overview & Product Specs

The Omega 36M is a light, compact, modular centerfire rifle suppressor, with the versatility to use on magnum rifles, 9mm pistols, and subguns.

The Omega 36M is full-auto rated and is compatible with a wide range of ammunition including centerfire rifle cartridges from 22 Hornet to 338 Lapua Magnum, and centerfire pistol cartridges up to 9mm.

The Omega 36M is rated down to 10" barrels for 223 Remington/5.56mm NATO, 16" barrels for 308 Winchester/7.62mm NATO, and 20" barrels for 300 Win Mag and 338 Lapua Mag.



**OMEGA 36M**

**CALIBERS**

22 Hornet to 338 LM

**MATERIALS**

17-4 Stainless Steel,  
Titanium, Cobalt 6,  
& Inconel

**LENGTH**

5.1-7.6"

**WEIGHT**

9.2-16.5 oz

**DIAMETER**

1.57"

## Direct Thread Mount



## ASR Mount



MUZZLE DEVICE



CHARLIE ASR MOUNT

## Piston Mount



SPRING RETAINER



SPRING



PISTON



COUPLER RING

## 3-Lug Mount



3-LUG MUZZLE DEVICE



3-LUG MOUNT



COUPLER RING



## Assembly & Modularity

### LENGTH CONFIGURATION

SilencerCo's first modular rifle silencer – the Omega 36M – is two configurations in one. The front baffle section can be removed to minimize weight and length, or retained for maximum sound suppression. Installation of the front baffle section only needs to be hand tight. Tool slots ensure easy removal with existing SilencerCo Charlie tools (shipped with the Omega 36M). The front cap must be secured tightly with a tool in either configuration.



**FULL  
CONFIGURATION**



**SHORT  
CONFIGURATION**

## Mounting Options

For optimum performance and to avoid damage to your silencer, SilencerCo recommends using only SilencerCo mounts and accessories.

Whichever way you choose to mount your silencer to your firearm, you should take care to ensure that the Omega 36M is mounted securely before firing. SilencerCo offers mounts in all common barrel thread patterns. Users must ensure they are using the proper mounts that match their barrel threads and that there is a proper shoulder for the mount to seat against. Following these instructions will help to prevent the problems and dangers that can arise from improper installation.

If you attempt to remove the Omega 36M from the barrel and the silencer spins without unthreading from the barrel, this occurs if the coupler ring is not properly tightened. Use the included spanner wrenches to re-tighten the coupler ring to the silencer body and then re-attempt to remove.

## Direct Thread Mount *QUICK REFERENCE*



**COUPLER  
RING**

**CHARLIE  
DIRECT THREAD  
MOUNT**

**OMEGA 36M**  
*EITHER CONFIGURATION*

**CHARLIE  
FRONT CAP**



Insert the direct thread mount into the Omega 36M body and thread on the coupler ring. Use one of the included spanner wrenches to hold the Omega 36M body and the other to tighten the coupler ring to approximately 20-30 ft-lbs. To remove, perform steps in reverse order.

Screw the silencer onto the barrel until it is properly shouldered. Hand tighten to approximately 10-15 ft-lbs. To remove, perform steps in reverse order. For proper alignment, it is essential that the mount seats against a 90° barrel shoulder.

# **ASR System** *QUICK REFERENCE*



**MUZZLE DEVICE**  
*FLASH HIDER OR  
MUZZLE BRAKE*



**CHARLIE  
ASR MOUNT**



**TAPERED  
INSERT**





**OMEGA 36M**  
*EITHER CONFIGURATION*

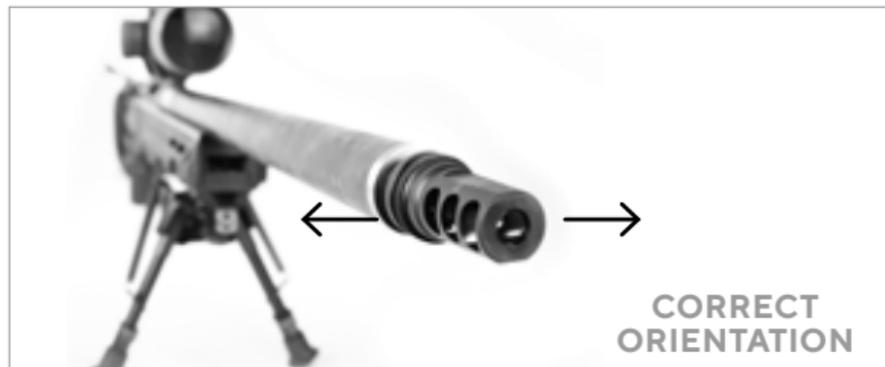


**CHARLIE**  
**FRONT CAP**

# ASR System

## MUZZLE DEVICES

Thread the ASR muzzle device onto the barrel. Use the provided shim kit to ensure proper ASR muzzle brake alignment. Timing with shims is not necessary on ASR flash hiders. Tighten onto barrel using the wrench flats at the rear of the brake. Use of Rocksett™ or another high-temp threadlocker is recommended to secure the muzzle device. Muzzle devices should be tightened to approximately 20-30 ft-lbs.





### ASR MOUNT

Install the tapered insert into the Omega 36M body and thread on the ASR mount body. Use one of the included spanner wrenches to hold the Omega 36M body and the other to tighten the ASR mount body to approximately 20-30 ft-lbs. To remove, perform steps in reverse order.

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## **ASR System** *CONTINUED*

Verify the ASR collar is in the unlocked position before installing. Install the Omega 36M by sliding the back end over the muzzle device, then screw the silencer onto the muzzle device until it stops (hand tight, approximately 10-15 ft-lbs.). Rotate the ASR collar to the locked position. To remove, perform steps in reverse order.





The ASR (Active Spring Retention) Mount is a proprietary quick-attach/detach mounting system. It features a secondary locking collar, which ensures the silencer does not back off during normal use due to shock and vibration from firing and transport. It requires a compatible muzzle device (muzzle brake or flash hider). SilencerCo recommends the use of the included shim kit if any indexing of the muzzle device is required. Crush washers are NOT recommended as they do not crush uniformly and WILL cause improper mounting and potential silencer damage. For proper alignment, it is essential that the muzzle device seats against a 90° barrel shoulder.

## **Piston Mount** *QUICK REFERENCE*



**SPRING  
RETAINER**



**SPRING**



**PISTON**



**COUPLER  
RING**



**CHARLIE  
PISTON  
HOUSING**





**OMEGA 36M**  
*EITHER CONFIGURATION*



**CHARLIE**  
**FRONT CAP**

## **Piston Mount** *CONTINUED*

Insert the piston housing as shown and thread on the coupler ring. Use one of the included spanner wrenches to hold the Omega 36M body and the other to tighten the coupler ring to approximately 20-30 ft-lbs. To remove, perform steps in reverse order.

This is the basis for the piston or 3 lug mounts and must be installed prior to installing either of these.





**WARNING** *The piston housing should only be used on pistol caliber firearms and 300 BLK using **subsonic** ammo. Damage may occur to the piston housing when used on high powered rifles due to the increased heat and pressure.*

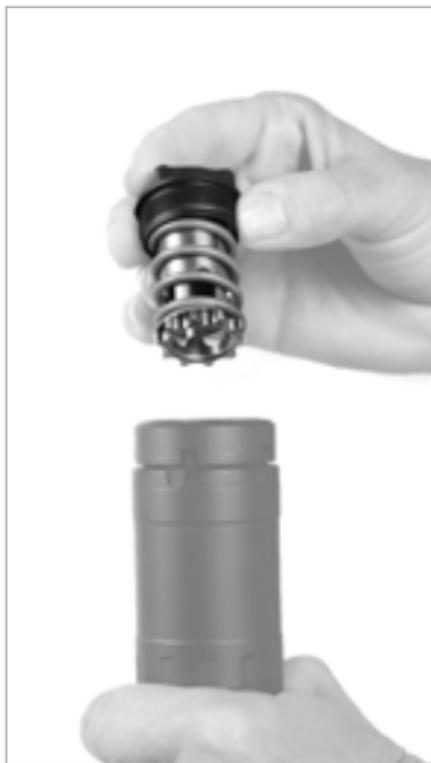
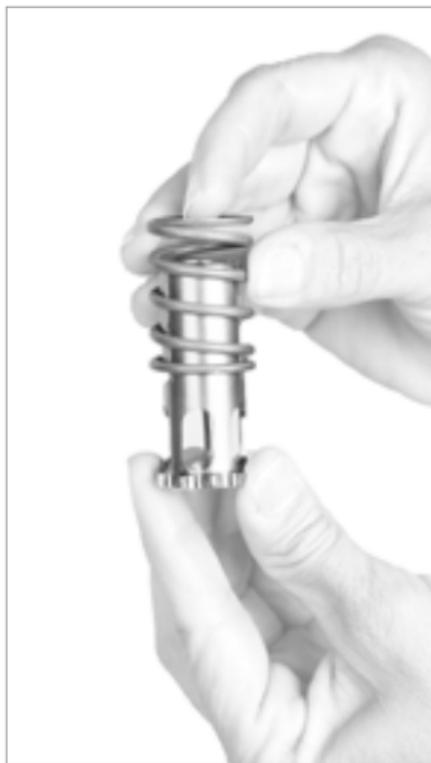
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## **Piston Mount** *CONTINUED*

You will need to install a piston into this housing in order for it to be compatible with most pistol hosts. To remove, use one of the included spanner wrenches to hold the Omega 36M body and the other to loosen the coupler ring. Unthread the coupler ring and remove the piston housing from the silencer body. To install, perform steps in reverse order and tighten to approximately 20-30 ft-lbs.





With the piston housing already installed and the coupler ring tightened, place the spring over your piston. Slide the smooth, toothless end into the spring retainer. Once the spring, piston, and retainer are properly seated together, place the assembly into the piston housing that is still in the back of the Omega 36M. Hand tighten the spring retainer into the piston housing. To remove, perform steps in reverse order.

## Piston Mount *CONTINUED*

### MOUNTING ON A PISTOL

After installing the correct piston for your threaded barrel (according to the stated directions), ensure your firearm is unloaded and thread the silencer onto your pistol. Ensure it is properly shouldered before firing. Hand tighten only. To remove, perform steps in reverse order.

*Depending on the thread pattern, some pistons will shoulder on the nose of the barrel.*

*A Fixed Barrel Spacer (available separately) should be used in place of the spring if the piston mount is used on a pistol-caliber firearm with a fixed barrel. Otherwise damage to the piston can occur.*



## 3-Lug Mount *QUICK REFERENCE*



## 3-Lug Mount *CONTINUED*

### 3-LUG MOUNT

Use of 3-Lug mounts will require both the mount and an appropriate muzzle device. Screw the 3-Lug mount into the previously installed piston housing without spring. Tighten with provided 3-pin wrench.

### 3-LUG MUZZLE DEVICE

Screw the appropriate 3-Lug muzzle device onto the barrel threads and tighten to approximately 10-20 ft-lbs. For proper alignment, it is essential that the muzzle device seats against a 90° barrel shoulder.

*Depending on the thread pattern, some muzzle devices will shoulder on the nose of the barrel.*



## MOUNTING TO THE FIREARM

Place the silencer with the 3-Lug mount over the 3-Lug muzzle device, aligning the lugs with the cutouts. Compress the silencer against the muzzle device, turn the silencer body 60 degrees, then release. Pull on the silencer to ensure it is securely mounted before firing. To remove, perform steps in reverse order.

**WARNING** You must use only 9mm muzzle devices with 9mm 3-Lug mounts and 45 muzzle devices with 45 3-Lug mounts. While a 9mm muzzle device will fit inside the 45 3-Lug mount, there is excessive clearance between them. This will cause blowback towards the shooter and will greatly increase

*the chance of silencer damage due to potential misalignment of the mount to muzzle device.*

**WARNING A 45 caliber projectile will not fit down the bore! Use 9mm or smaller ONLY.**



## Front Caps

The Omega 36M can accept various Charlie Front Caps for different calibers to optimize sound reduction, if desired. To remove the included .355/9mm front cap from the Omega 36M, use the included 3-pin wrench. To install a front cap, perform steps in reverse order. Firing the Omega 36M without a front cap is not recommended.



## Maintenance

The Omega 36M typically requires limited maintenance. Mounts should periodically be cleaned with any standard gun cleaning solvent and a brush to remove any carbon or fouling.

**WARNING** *DO NOT run cleaning patches through the bore of the silencer as the patches may become lodged inside and can cause damage upon firing.*

**CAUTION** *Always read the warning label on any cleaner or solvent, and remember that virtually all are inherently dangerous and potentially toxic. Always use adequate ventilation and both skin and eye protection when using any cleaning chemicals.*

## Limited Lifetime Warranty

Silencerco, LLC (“**SilencerCo**”) warrants to you that if any product sold by SilencerCo and used for its intended use ever becomes defective, SilencerCo will repair or replace the product at no charge, other than shipping, subject to the conditions set forth below.

**THE WARRANTY EXTENDS ONLY TO THE ORIGINAL REGISTERED PURCHASER.** This warranty does not cover damage to our products or host firearm resulting from careless or irresponsible handling adjustments or modifications to its intended design, negligence, or other unforeseeable abuse. SilencerCo assumes no liability for unsafe or illegal use of the silencer by its purchaser or any other user that comes in contact

with the product after purchase. SilencerCo assumes no responsibility for physical injury or property damage resulting from careless or irresponsible handling or by any use contrary to the recommendations, warnings and cautions generally listed in this manual. SilencerCo does not cover damage to the silencer or host firearm resulting from improper “*hand-loaded, reloaded, previously used or otherwise defective ammunition.*” **THIS WARRANTY IS FURTHER REGULATED BY RELEVANT AND APPLICABLE STATE AND FEDERAL LAWS.**

If SilencerCo determines that you satisfy the conditions for warranty coverage under this limited warranty, SilencerCo will, at no charge, replace or repair the SilencerCo product

with the same or similar model subject to the terms herein. If no replacement is available, and SilencerCo determines that the product cannot be repaired, SilencerCo will replace your nonperforming or defective unit with a unit that, in SilencerCo's sole determination, is substantially similar to your lawfully purchased and registered product. This warranty extends to any and all parts as originally sold by us, but **does not extend to any altered product or firearm that is altered or rebuilt after original purchase, damaged through abuse, misuse through lack of proper care and maintenance, or used other than for its legal intended purposes.**

SILENCERCO'S LIABILITY FOR BREACH OF ANY WARRANTY WITH RESPECT TO A SILENCERCO

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For assistance with repairs, please contact our consumer service department at **801-417-5384**.

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