

**SILENCER<sub>co</sub>**

## **HYBRID 46**

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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.

*CONTINUED ON NEXT PAGE*

## 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 Hybrid is the one silencer for any platform. Compatible with calibers ranging from 5.56 NATO to 9MM to 45 -70 and 458 SOCOM and many in between, the Hybrid is both full auto and magnum-rated and can be used on rifles, pistols, and submachine guns. Boasting low-120 dB's on 300BLK and remaining hearing safe with 45-70, the Hybrid offers an unparalleled pairing of versatility and performance – a combination you've come to expect from SilencerCo products.

The Hybrid is rated down to 16" barrels for 45-70 and 458 SOCOM. The Hybrid is rated down to 18" barrels for all magnum calibers up to 338 Lapua Mag.



**HYBRID 46**

- CALIBERS**  
**Pistol** – 9MM to 45ACP  
**Rifle** – 5.56 NATO to 45-70 GOV
- MATERIALS**  
Titanium & Stainless Steel
- LENGTH**  
7.71 – 8.44"
- WEIGHT**  
19.4 – 21.8 OZ
- DIAMETER**  
1.57"

# Assembly & Modularity

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 Hybrid 46 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.

## Direct Thread Mount



BRAVO  
DIRECT  
THREAD  
MOUNT



## ASR Mount



MUZZLE  
DEVICE



BRAVO  
ASR  
MOUNT



## Piston Mount



SPRING  
RETAINER



SPRING



PISTON



BRAVO  
PISTON  
HOUSING



## 3-Lug Mount



3-LUG  
MUZZLE  
DEVICE



3-LUG  
MOUNT



BRAVO  
PISTON  
HOUSING



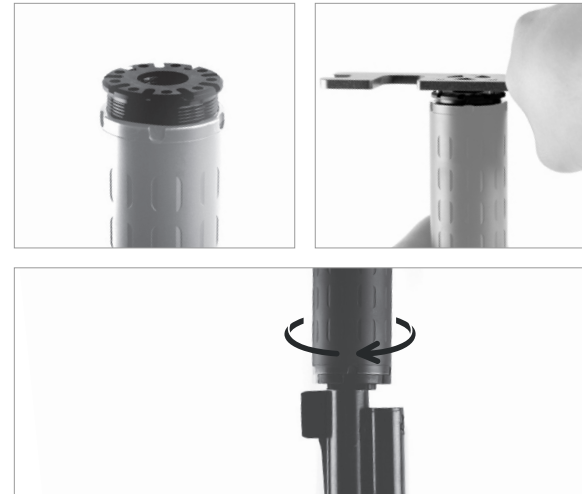
**Hybrid 46**



BRAVO  
FRONT CAP

Front Caps of various bore sizes,  
and of other special-purpose  
designs are available.

## Direct Thread Mount *QUICK REFERENCE*



Hold the Hybrid body with a firm grip and thread in the mount. Use the three pegs of the Bravo Multitool to tighten the mount to the Hybrid body 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.

**READY FOR USE**

## Direct Thread Mount *CONTINUED*

When attempting to remove the Hybrid from the barrel, there is a possibility that the mount may stay threaded onto the barrel, causing it to then unthread from the silencer body.

The Bravo Direct Thread Mount features internal wrench flats for this situation. Continue unthreading the Hybrid to expose the front side of the thread mount; with the mount completely separated from the silencer body, seat the appropriately-sized open end wrench (wrench sizes will vary by thread mount size) onto the front side of the thread mount and remove. Reinstall the thread mount into the Hybrid following the installation instructions listed above.



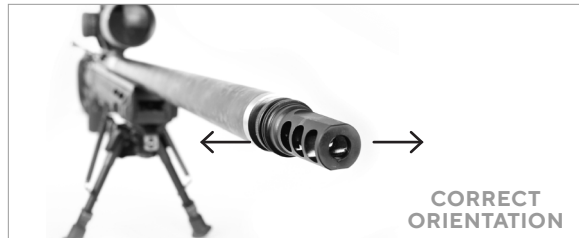
## ASR System *QUICK REFERENCE*



## ASR System *CONTINUED*

### 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.



Thread the ASR Mount assembly into the Hybrid silencer body by hand. Hold the Hybrid body with a firm grip. Using the Basic Wrench and Bravo Multitool to grasp the notches in the base of the ASR mount and Hybrid silencer body, tighten the mount. Torque to approximately 20-30 ft-lbs.



## ASR System *CONTINUED*

Verify the ASR collar is in the unlocked position before installing. Install the Hybrid 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.

### READY FOR USE

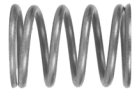


The ASR (Active Spring Retention) Mount is a proprietary quick-attach/detach mounting system. It features a secondary locking collar, which ensures the silencer does not back off during normal use due to shock and vibration from firing and transport. It requires a compatible muzzle device (muzzle brake 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



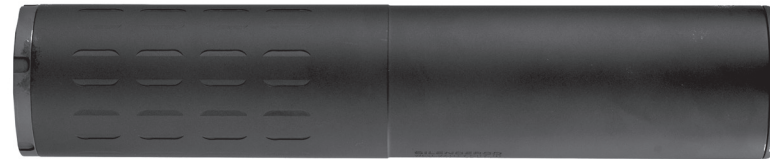
SPRING



PISTON



BRAVO  
PISTON  
HOUSING



HYBRID 46

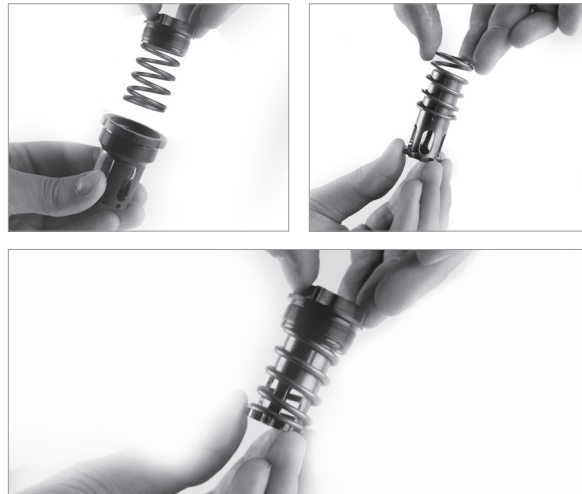


BRAVO  
FRONT CAP

## Piston Mount

You will need to install a piston into this housing in order for it to be compatible with most pistol hosts.

Unscrew the spring retainer from the rear of the Hybrid piston housing and remove the spring from the silencer body; no tools are required. Place the spring over your piston. Slide the smooth, toothless end into the spring retainer.



You will need to install a piston into this housing in order for it to be compatible with most pistol hosts.

Unscrew the spring retainer from the rear of the Hybrid piston housing and remove the spring from the silencer body; no tools are required. 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 Hybrid. Hand tighten the spring retainer into the piston housing.

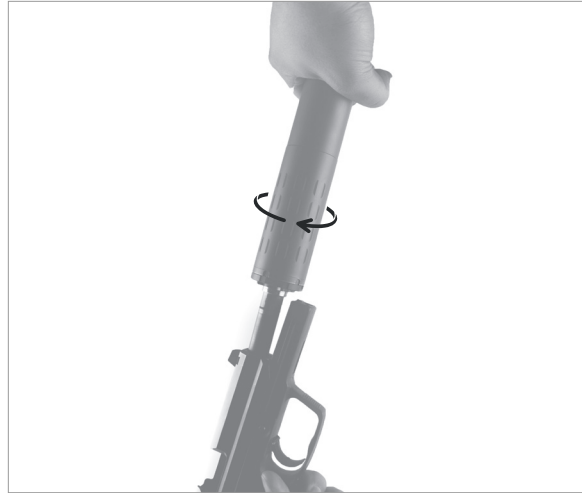
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## Piston Mount *CONTINUED*

Should the piston housing prove particularly difficult to remove, seat the second provided spanner wrench into the notches of the body of the Hybrid in lieu of holding the silencer in your hand as stated previously. Push handles of the two spanner wrenches toward each other to break the mount free. See image for example.

After confirming that your firearm is unloaded, and securely seating the piston housing assembly into the Hybrid, thread the silencer onto the threaded barrel of your pistol. Hand tighten only. To remove, perform steps in reverse order.

**READY FOR USE**



## 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.

### READY FOR USE

**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.*



## Front Caps

### FRONT CAPS

The Hybrid has interchangeable front caps to allow users to adjust the exit hole for maximum sound reduction performance. To remove a front cap from the Hybrid, line up the three pegs on the Bravo Multitool with the holes on the front of the cap. Holding the silencer with a firm grip, rotate the tool until the brake is removed. To install a front cap, perform steps in reverse order.

### READY FOR USE



## Maintenance

The Hybrid typically requires limited maintenance. Mounts should periodically be cleaned with any standard gun cleaning solvent and a brush to remove any carbon or fouling. If necessary, run a cleaning brush through the bore to remove any light fouling of the silencer. Do not run cleaning patches through the bore as the patches might become lodged in the silencer and cause damage upon firing.

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

## 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

PRODUCT SHALL BE LIMITED TO REPLACING OR REPAIRING THE NONPERFORMING OR DEFECTIVE PRODUCT AS DESCRIBED IN THIS LIMITED WARRANTY. THIS LIMITED WARRANTY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY WITH RESPECT TO A NONPERFORMING OR DEFECTIVE PRODUCT, AND SILENCERCO WILL NOT BE LIABLE FOR ANY OTHER DAMAGES, INCLUDING DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR DIMINUTION IN VALUE DUE TO REPAIR OR REPLACEMENT WITH A DIFFERENT PRODUCT.

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

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The American Suppressor Association is fighting to protect and expand your silencer rights. Join the fight today!

**[AMERICANSUPPRESSORASSOCIATION.COM](https://americansuppressorassociation.com)**

**FOR QUESTIONS, CONTACT OUR CUSTOMER SERVICE TEAM  
AT 801.417.5384 OR [INFO@SILENCERCO.COM](mailto:info@silencerco.com)**

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MANUFACTURED  
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