

# SILENCERCO OSPREY

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FIELD MANUAL

Thank you for choosing to add a SilencerCo silencer to your collection. We manufacture all of our products under one roof here in the USA and are proud to deliver only the best silencers to our community. We hope you will enjoy using this product as much as we enjoyed making it and welcome to our family.

Sincerely and Silently,



**JOSHUA WALDRON**

SilencerCo Co-Founder & CEO

**WE HOPE YOU ENJOY THE TECHNOLOGICAL ADVANCEMENTS OFFERED BY THE OSPREY™ SOUND SUPPRESSOR. TO ENSURE YOUR SAFETY, IT IS CRITICAL THAT YOU AND ANY OTHER USERS READ THIS ENTIRE MANUAL AND STRICTLY FOLLOW THE WARNINGS AND INSTRUCTIONS WITHIN. THE SILENCER IS INTENDED TO BE USED ONLY BY THOSE WHO ARE WELL-VERSED IN THE SAFE OPERATION OF FIREARMS.**

#### DISCLAIMER

SilencerCo is not responsible for improper usage of this product. This product is potentially dangerous, and, as such, it is the user's responsibility to understand and implement its proper use. If you do not understand the instructions in this manual, please contact us for further clarification at **801.417.5384**.

#### SONIC CRACK

The Osprey is designed to suppress the initial muzzle blast and subsequent projectile de-corking pressure. The Osprey does not contact or otherwise interact with the projectile, allowing the projectile to travel at its default speed. Because of this, a sonic crack is 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 suppressor performance.



OSPREY

# WARNING

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

Before installing or removing the Osprey sound suppressor from the host weapon, be sure that the weapon is unloaded and the action is opened so that it 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 of your weapon.

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. It is of vital importance to remember that a suppressed firearm is just as dangerous as an unsuppressed firearm, and that the same safe handling requirements still apply. When removing the Osprey, use extreme caution as it may be hot to the touch after firing. Use gloves to avoid burns or other injuries.

Check the fit between barrel and suppressor 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 suppressor thread mount. If there is any gap DO NOT fire the host with the suppressor attached. Poor accuracy and product damage may result if the suppressor is not fully shouldered.

Assembly and disassembly should never be performed while the suppressor is affixed in any manner to a host firearm. Always completely remove the Osprey from the host firearm before assembly and/or disassembly is attempted.

Before performing maintenance, removing, or installing the suppressor, open the action, ensure firearm is unloaded, and be sure the chamber is empty. Failure to do so can result in property damage, injury, or death.

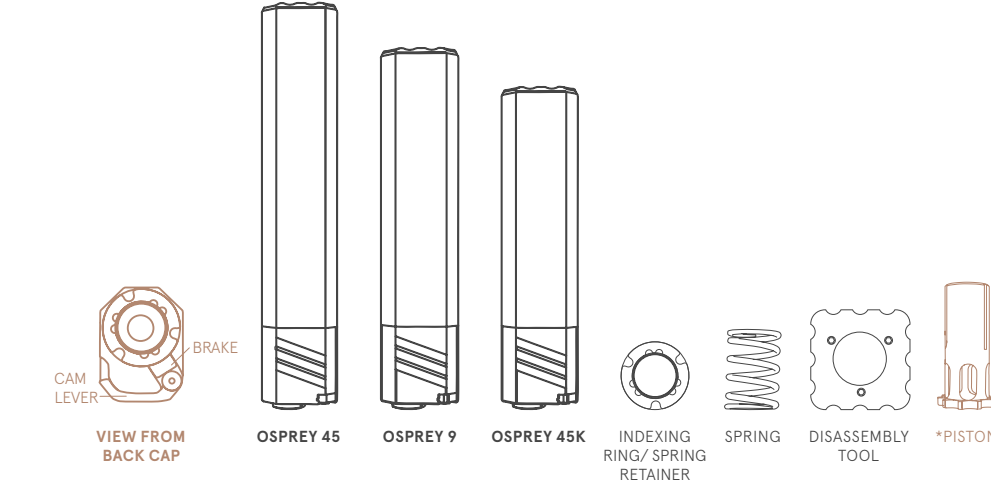
# MADE IN USA

The Osprey series is the only eccentric (non-round) family of silencers on the market. The reason behind this revolutionary design is a desire to increase internal volume, thereby reducing sound levels, without blocking standard pistol sights. An eccentric design then presents its own unique challenge: how to properly index the suppressor. Our answer to this challenge was the creation of a patented cam lock lever system. Screw the Osprey onto its host, throw the lever, and your suppressor will then index to that spot—even after being removed and reattached to the host. These innovative features combine to make the Osprey one of the most unique and effective silencers on the market.

*The Osprey comes standard with a recoil booster, and should only be used with free-float barrels in this configuration. If you wish to use the Osprey on a fixed-barrel, the applicable adapter will need to be installed.*

*Suppressors must be free of obstructions such as mud, dirt, etc. Do NOT attempt to shoot through an obstructed suppressor.*

The Osprey was designed to be used “wet” or “dry.” If you are going to shoot “wet” for increased sound suppression, insert a small amount (about 5 cc) of an ablative medium into the back of the suppressor.



# SPECS

## INCLUDED

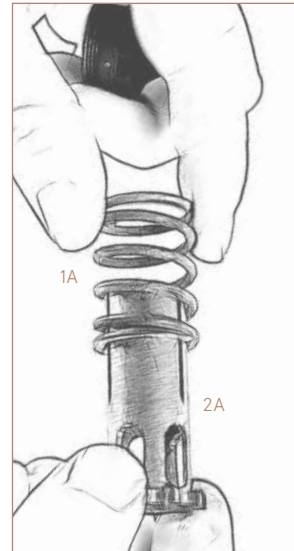
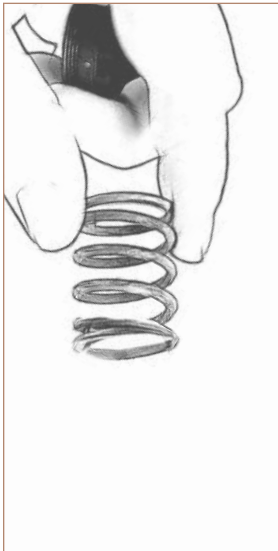
The Osprey includes a disassembly tool, spring, indexing ring/spring retainer.

*\*Piston not included. Must be purchased through dealer.*

## PISTONS

The Osprey has several threaded piston options for different host weapons. Before purchasing a piston, confirm that the thread pitch matches that of your barrel. Installing the correct piston in your Osprey is essential to ensuring proper and safe compatibility with your host weapon. Visit **SILENCERCO.COM** for detailed thread diagrams. If you are uncertain of the host weapon’s thread pitch, consult a licensed firearms dealer or the manufacturer of the host weapon.





## CHANGING THE PISTON

Slide spring (1A) over the piston (2A).

Slide the indexing ring/spring retainer (3A) over the piston, threaded end first, until the piston comes to rest on the teeth of the indexing ring. You will have to press firmly in order to slide the O-Ring inside the spring retainer over the piston.

*To aid in the assembly process, apply a small amount of white lithium grease to the O-Ring located inside the spring retainer.*

While pressing firmly on the indexing ring/spring retainer, rotate the indexing ring portion around the piston until the three teeth on the ring align with the grooves on the piston. Continue pushing until the indexing ring/spring retainer is tight against the spring.

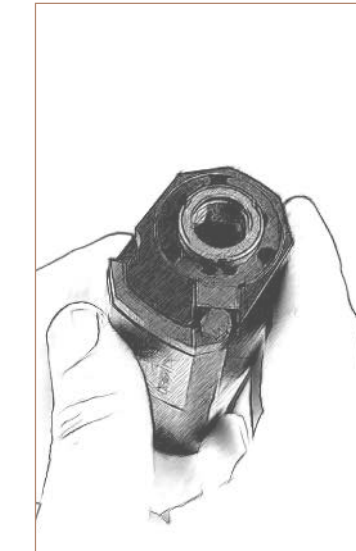
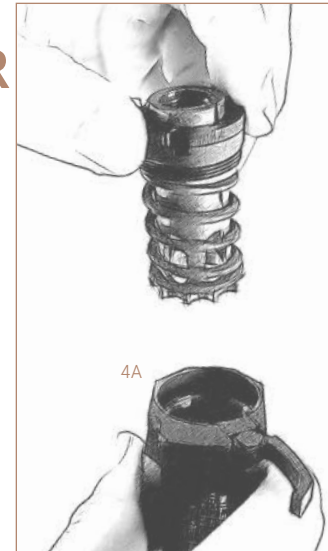
## ASSEMBLING THE BOOSTER

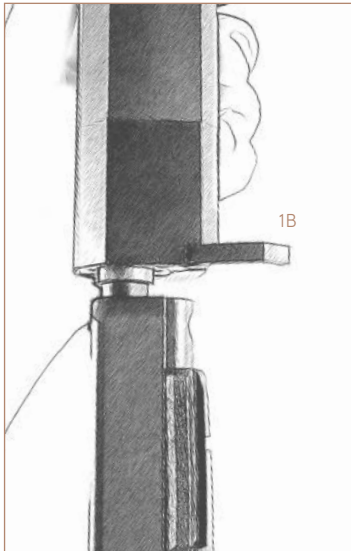
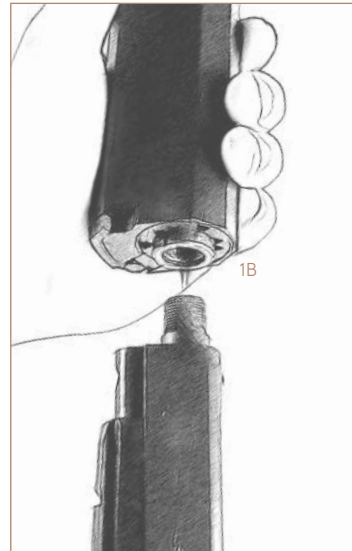
Insert entire booster assembly into the back cap of the Osprey (4A), making sure the cam lever is held open in the unlocked position and the brake is moved down and away from the indexing ring.

Align the three pins on the disassembly tool with the three holes in the indexing ring/spring retainer. Insert pins into holes and, while pressing firmly, rotate the tool so the booster assembly engages the threads. Continue to thread the booster assembly into the Osprey until hand tight.

Rotate the cam lever back to the locked position.

*To disassemble Booster, reverse steps.*





## INSTALLATION

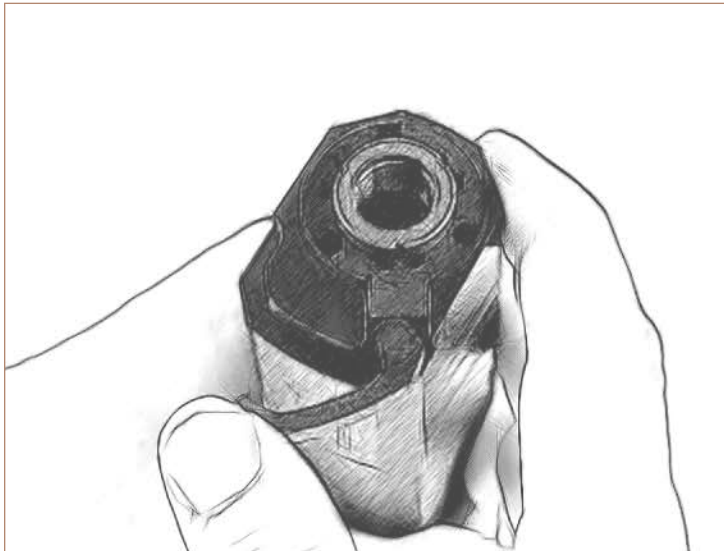
With the cam lever in the locked position (1B), thread the Osprey onto the barrel of the host weapon until it rests against the shoulder of the threads. Be sure suppressor is firmly seated at a 90° angle to the threads.

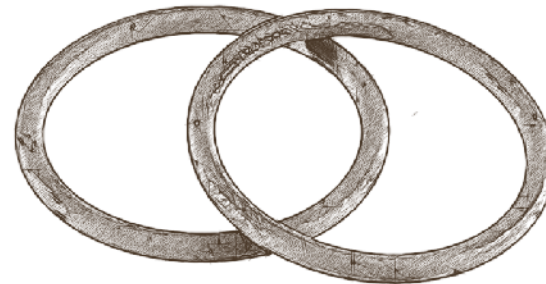
After the Osprey has a snug and secure fit on the host weapon, release the cam lever lock by rotating the lever counter clockwise. While holding the lever fully open, rotate the suppressor until it is at the desired orientation to the host weapon.

*When the cam lever is opened, the brake is free to disengage the indexing ring by gravity alone. If the Osprey is dirty, it will not freely disengage; simply use your finger to manually slide the brake down if this occurs.*

Once the Osprey is vertically aligned so that the volume of the suppressor hangs directly below the bore line, rotate the cam lever clockwise back into its locked position.

*To remove the Osprey, unthread as you would a traditional round silencer, keeping the cam lever in the locked position. The next time you attach the Osprey to the host weapon, it will index back to the desired orientation.*





## O-RING MAINTENANCE

Inside the indexing ring/spring retainer is an O-Ring, which seals the gases from escaping the silencer when the piston is actuated during firing. It should be noted that the Osprey will function without the O-Ring, but it is necessary to achieve the most effective sound suppression. The O-Ring will need to be replaced once you notice a substantial amount of wear and tear after heavy use or after breakage occurs. At this point, simply disassemble the booster and insert a new O-Ring into the groove on the inside of the spring retainer, directly under the threads.

## SERVICING THE BOOSTER

The Nielsen Device/Booster should be regularly cleaned. Remove the booster and disassemble all parts. Using an abrasive brush and/or scotch bright pad and solvent, scrub the components free of the carbon build up. When finished, apply white lithium grease, break free, or light gun oil to the O-Ring inside the spring retainer, assemble the booster, and install into the back of the suppressor.

*Do not use sand paper to clean the booster, as it could ruin the precision finish and cause malfunction.*

*After use and before disassembling the booster, spray break free into the booster through the bore hole and through the piston vents so that it enters the inside of the booster assembly. This will allow for greater ease of disassembly.*

If the booster is difficult to remove from the back of the silencer, thread the Osprey back onto the host weapon, open the cam lever, and rotate the Osprey back and forth. This will loosen some of the carbon build up, making it easier to remove the booster from the silencer. After rotating the silencer back and forth for a few seconds, lock the cam lever, detach the Osprey, and proceed with the removal of the booster.

**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.



## MAINTENANCE

Because the Osprey has a substantial amount of internal volume, there is no need to regularly clean the baffles. If the need to clean the baffles does arise, soak the silencer in a hydrocarbon-based solvent such as WD-40, particular varieties of mineral spirits, or lacquer thinners. After soaking, remove the Osprey and blow out the internals with compressed air, ensuring all liquid is removed, and allow to air dry.

Do not completely submerge in chemical cleaner or use an ultrasonic cleaner, as this has the potential to damage the finish of the suppressor.

## LIFETIME WARRANTY

We proudly stand behind the quality of our products with a lifetime warranty, no matter what—even if it's not a product defect. Our 48 hour repair turnaround even warranties stupid... once. If you experience any issues, please contact our Customer Service team at **801.417.5384**.

If your silencer has a defect in manufacturing or materials, there will be no charges for service or replacement through our SilencerCo facility.

If we determine that a claim is not covered under warranty, a discounted replacement option will be granted.

This warranty does not cover damage to the silencer or host firearm resulting from careless or irresponsible handling, adjustments or modifications to design, negligence, or other 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 or reloaded ammunition or defective ammunition.

# REPAIR POLICY

Should the silencer require repair or modification, the owner should contact SilencerCo either in writing or by telephone. Many problems can be handled without having to return the product. If it is determined that the product needs to be returned for repair or modification Contact SilencerCo customer service **801.417.5384** where an RMA number will be provided. Do not return the suppressor to SilencerCo until you have contacted customer service as an RMA code must be provided. If repairs are required due to a defect in manufacturing or materials, there will be no charge for repairs.

Subject to any restrictions set forth herein, SilencerCo agrees to replace and/or repair the Harvester for an unlimited amount of time. This warranty covers repair, service, and replacement of damaged product caused by normal use, free of charge, only if performed at a SilencerCo facility.

Should a silencer require repair, the owner must contact SilencerCo and make arrangements to return the product. Customer must return damaged product with a legible copy of the approved ATF form and a legible written description of

the problem, defect, and/or malfunction. Please include in written description the serial number of the product and the events leading up to the issue, including what ammunition has been used and any host weapons that have been used.

If SilencerCo determines, at its sole and absolute discretion, that a returned suppressor is not covered under this warranty, for any reason, you may purchase a replacement product at 75% off the suggested retail price.



Register Your SilencerCo Product Online  
To Activate Your Lifetime Warranty

[SILENCERCO.COM/REGISTER](https://silencerco.com/register)

## JOIN NOW



Protect Your Rights | Protect Your Hearing

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

**LEARN MORE AT [AMERICANSUPPRESSORASSOCIATION.COM](http://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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