SPARROW™ 22

FIELD MANUAL

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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 the firearm is unloaded and the action is opened so the firearm is visibly clear of any ammunition. If you are at all unsure as to the proper procedures to ensure 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 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.

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.

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 the firearm is unloaded and the action is opened so 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.

Ammunition Selection

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.

If desired, sonic crack can be avoided with the use of subsonic ammunition. Subsonic ammunition can be identified by a muzzle velocity that does not exceed the speed of sound. The speed of sound in an environment increases with temperature, and ranges between 1000 feet per second (at approx -40°F/-40°C) and 1200 feet per second (140°F/60°C).

Overview & Product Specs

The Sparrow 22 was designed with durability and user serviceability in mind and utilizes a patented MultiPart Containment (MPC) technology to facilitate ease of disassembly and reassembly. The internal MPC construction features two half tubes that pull away from a monolithic baffle stack.

This design ensures the Sparrow 22 will maintain its ease of maintenance after extended periods of use with notoriously dirty rimfire ammunition. The Sparrow 22 mounts on conventional 1/2 X 28 (Class 3A) threads .400″ in length

The Sparrow 22 is compatible with the following: 22 LR (only caliber approved for full-auto), 17 Win Super Mag, 17 HMR, 22 WMR (22 Win Mag), 22 Hornet, AND 5.7 X 28mm.

The Sparrow comes standard with (2) size 18 O-rings and (1) size 13 O-ring already installed.

CALIBERS & RESTRICTIONS
22 LR, 17 WSM, 17 HMR, 22 WMR, 22 HORNET, 5.7 X 28 MM
Multi caliber compatibility and rated for full auto fire (22 LR only)

MATERIALS
Stainless Steel

DIAMETER
1.06″

WEIGHT
6.5 OZ

LENGTH
5.08″

Muzzle Average	
22LR	112.7 dB
17HMR	124.5 dB
5.7x28	127.7 dB

Included

OUTER TUBE & BACK CAP

HALF TUBES

MONOLITHIC CORE

Assembly

Mounting To The Firearm

Screw the silencer onto the barrel until it is properly shouldered. It is essential that the mount seats against a clean 90° barrel shoulder. The Delta Thread Rifle Spacer (AC114) is required on threads .600 ″– .650″ in length. Hand tighten to approximately 10-15 ft-lbs.

To remove, perform steps in reverse order.

READY FOR USE

Disassembly

STEP 1 Unscrew the back cap.

STEP 2 Slide the outer tube off.

STEP 3 Peel half tubes away.

Clean before reassembly. Buildup of carbon and fouling will result in improper fit of the parts.

STEP 1

STEP 2

STEP 3

DISASSEMBLED PARTS

Assembly

Reassembly

STEP 1 Ensure the three O-rings *A, B, C* are in the proper grooves. A large O-ring *A, B* should be placed on each end of the monolithic core in the existing grooves, and a small O-ring *C* should be in the groove where the muzzle threads engage the silencer body.

STEP 2 Place the half tubes around the core so the ends are flush against the shoulder at the front of the monolithic core and the side edges seat against the spines.

STEP 3 Slide the waved side of the outer tube over the half tubes and monolithic core until the tube rests against the waved shoulder of the front cap. Ensure that the waves of the tube and front cap interlock. *D*

STEP 4 Screw back cap onto silencer body. As you are tightening, ensure that the waves of the tube and front cap remain interlocked. We recommend holding a thumb over the front cap as you install the back cap to aid in keeping the waved sections interfaced.

READY FOR USE

STEP 1

STEP 2

STEP 3

STEP 4

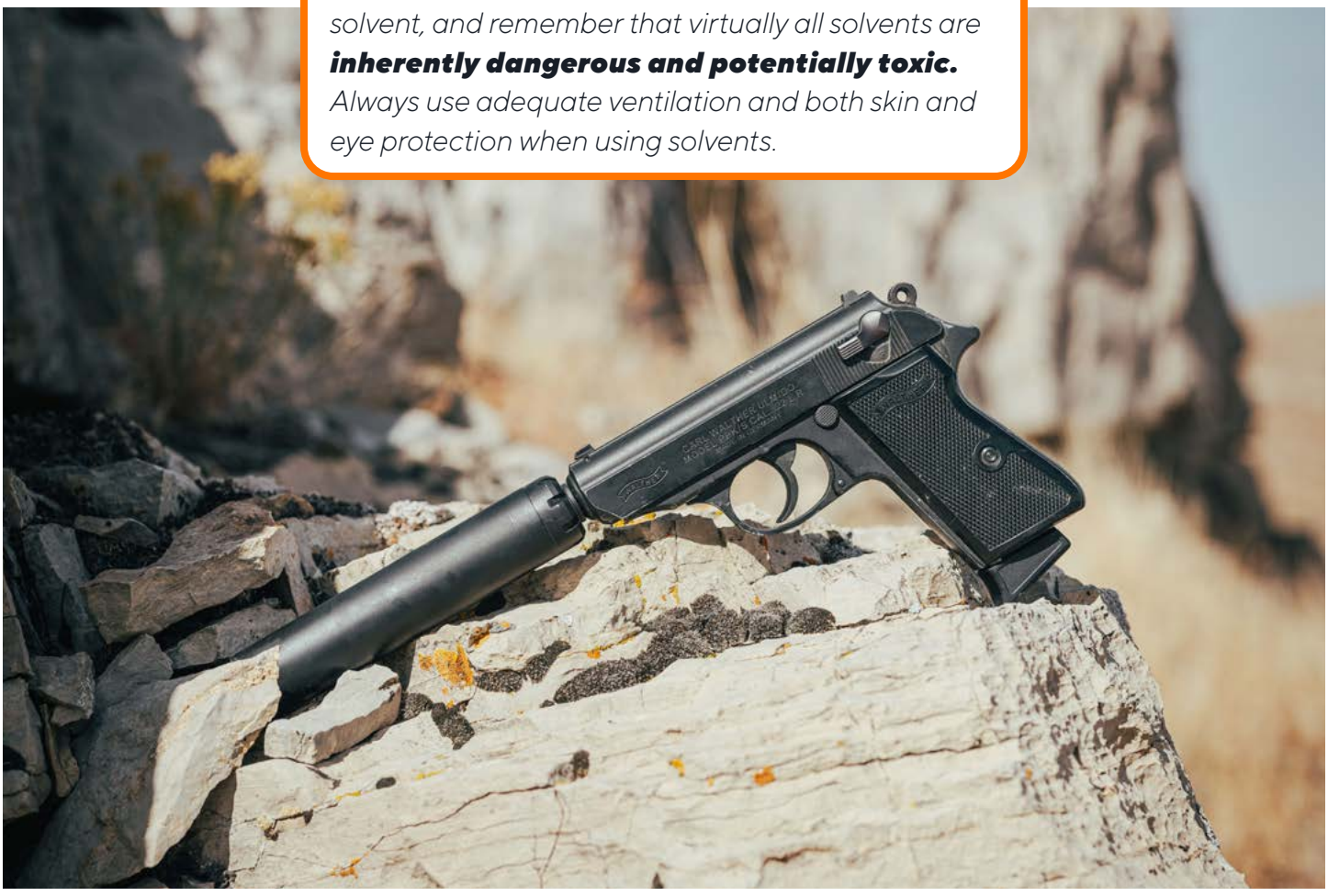
ASSEMBLED

Maintenance

The user-serviceable nature of the Sparrow 22 makes cleaning quick and simple. We recommend cleaning the Sparrow 22 after 1,000 rounds, although greater frequency might be needed depending on the type of ammunition used. The Sparrow 22 internal components can be cleaned using solvents, light abrasive media, or certain chemical dips. **DO NOT** use solvents or ultrasonic cleaners on the outer tube, as damage to the finish may occur. If the finish of the outer tube becomes discolored, wipe the silencer with any high quality gun oil; this should restore the finish to the factory condition. Disassemble the Sparrow 22 as listed in these instructions and clean using the suggested products. Dry all components thoroughly before reassembling.

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

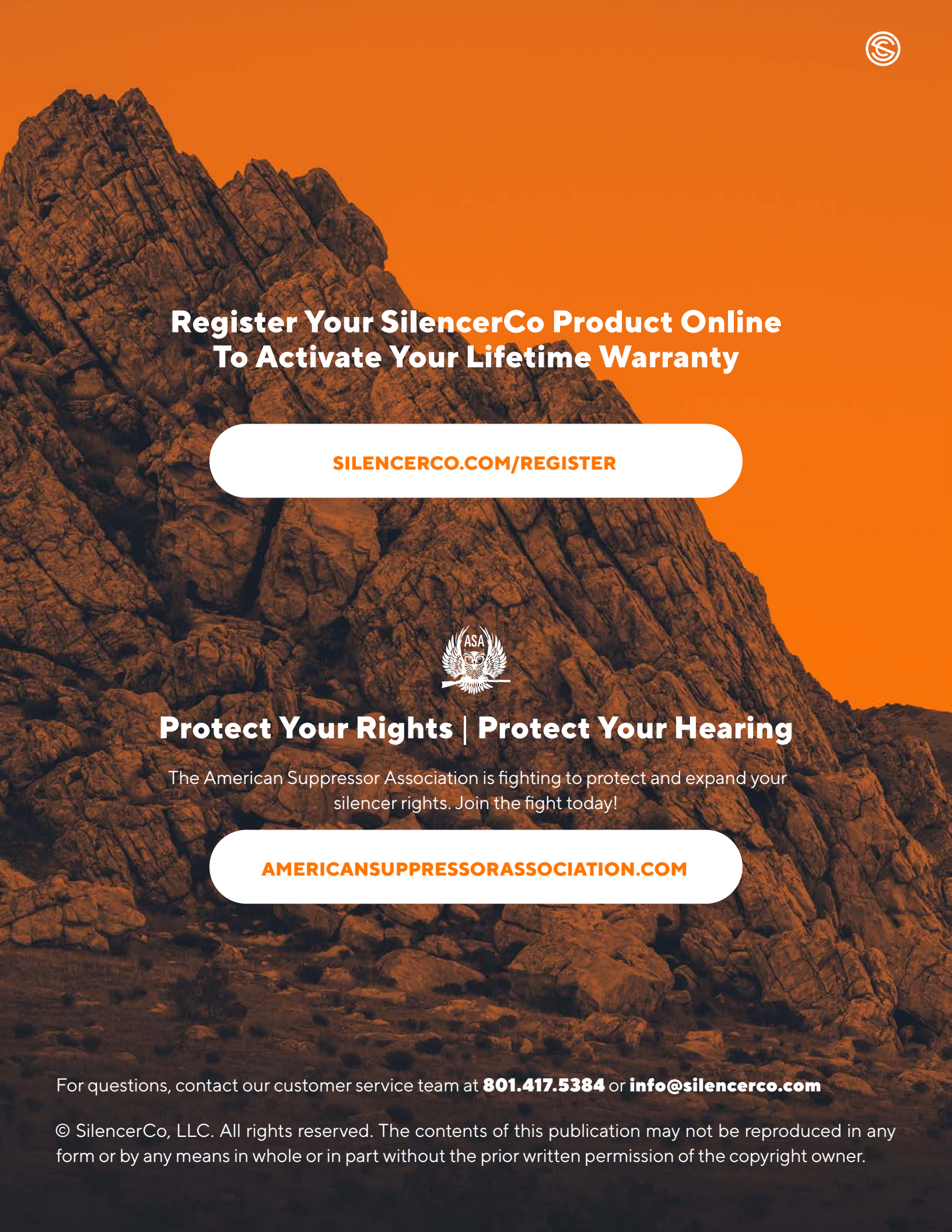
Silencerco, LLC ("**SilencerCo**") warrants to you that if any product sold by SilencerCo's and used for its intended use ever becomes defective, SilencerCo's will repair or replace the product at no charge, other than shipping, subject to the conditions set forth below.

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's determines that you satisfy the conditions for warranty coverage under this limited warranty, SilencerCo's 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 DIMUNITION 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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Protect Your Rights | Protect Your Hearing

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

AMERICANSUPPRESSORASSOCIATION.COM

For questions, contact our customer service team at **801.417.5384** or **info@silencerco.com**

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