



INSTRUCTION MANUAL FOR

SILENT-SR™

SOUND SUPPRESSOR



**READ THE INSTRUCTIONS AND WARNINGS IN
THIS MANUAL CAREFULLY BEFORE USING THIS
SUPPRESSOR**

For Service on This Product Please Call:
(336) 949-5200 (See page 3.)

LEGAL WARNINGS

- Sound suppressors (sometimes referred to as silencers, cans, mufflers or moderators) are controlled under both the National Firearms Act (NFA) (26 U.S.C. §5849 *et seq.*) and the Gun Control Act (18 U.S.C. §921 *et seq.*).
- Storing an unlocked sound suppressor at home with a person who is not registered to possess the device may be construed as “constructive possession” by the ATF, which carries a hefty penalty by law.
- Sound suppressors are not legal in some states.
- Hunting with a sound suppressor is not legal in some states.
- Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead and other substances known to the State of California to cause birth defects, reproductive harm and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.



**BE SURE YOU UNDERSTAND ALL APPLICABLE
LAWS, STATE AND FEDERAL, THAT APPLY TO
YOUR OWNERSHIP AND USE OF THIS PRODUCT**

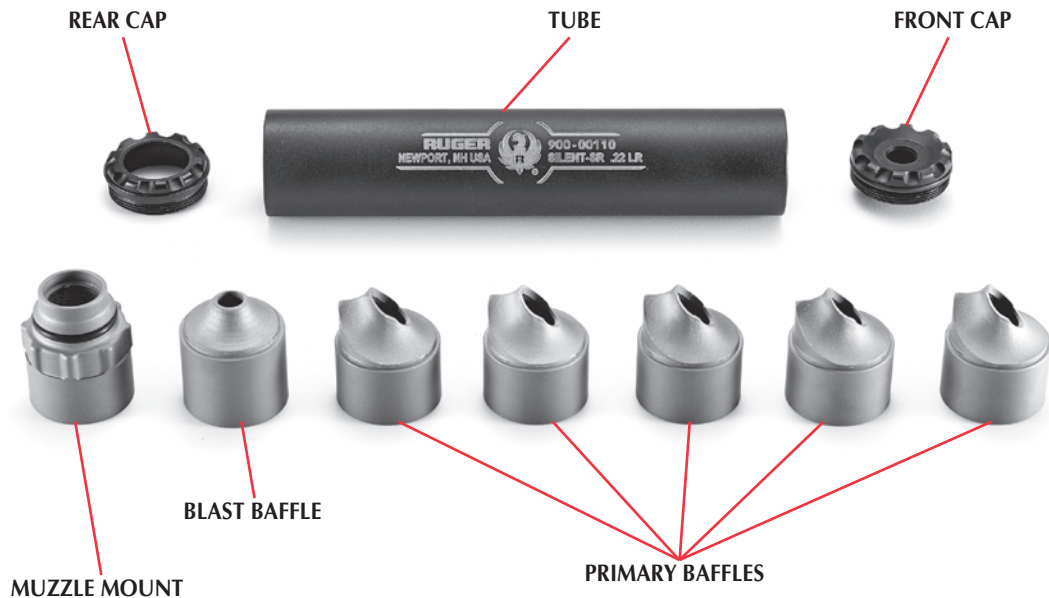
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If you have any questions with regard to the performance of your **RUGER® SILENT-SR™** sound suppressor, please call the Customer Service Department at 336-949-5200.

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NOMENCLATURE



GENERAL INFORMATION

The **RUGER® SILENT-SR™** .22 LR sound suppressor will drastically reduce the Sound Pressure Level (SPL) of .22 LR, .17 HMR, and .22 WMR ammunition. However, not all firearm, ammunition, and environmental combinations can be suppressed below hearing-safe SPLs. Firing subsonic and standard-velocity ammunition with a suppressed firearm outdoors and away from hard objects, will net the lowest SPL possible. Bullets that leave the muzzle at supersonic speeds will create a sonic crack. This sonic crack should not affect the SPL at the shooter's ear, assuming that any hard objects are far enough away to prevent a loud noise reflection.

The additional back-pressure from shooting with a suppressor will cause combustion byproducts to flow rearward into the action of semi-automatic firearms. As a result, firearms may need more frequent cleanings to maintain proper working order.

Rimfire ammunition is inherently very dirty. Lead residue and combustion byproducts (i.e. carbon) will slowly build up inside of the suppressor. Eventually, if not properly cleaned, rimfire suppressors can become so clogged with lead and carbon that they lose efficacy (*i.e.*, not suppress the sound as effectively). It is also quite common for some suppressors to become seized together from lead and carbon. The Silent-SR .22 LR is specifically designed to be easily disassembled and serviced by the user, even after a couple thousand rounds of lead and carbon buildup. See the section on Cleaning beginning on page 7 for details.



FIREARM AND AMMUNITION WARNINGS

All sound suppressors can be damaged irreparably through misuse or failure to take proper precautions. Improper alignment of the sound suppressor to the bore of the firearm and use of unstabilized ammunition may lead to a baffle strike. A baffle strike can cause damage to your suppressor, including rendering the sound suppressor inoperable, and may create a potentially dangerous situation.



FIREARM AND AMMUNITION WARNINGS

- Always check to ensure that the suppressor is fully screwed on to the muzzle hand tight and is abutted to a flat shoulder. This shoulder must be perpendicular, and the muzzle threads must be concentric, to the bore.
- Do not mount your suppressor with a crush washer. For muzzle threads longer than 0.40", install a spacer between the shoulder and suppressor.
- With a brand new sound suppressor and firearm combination, ensure that the two are aligned by looking down the bore. **THE FIREARM SHOULD ALWAYS BE COMPLETELY UNLOADED (no magazine in the gun or round in the chamber) WHEN PERFORMING THIS CHECK.**
- Check the tightness of the suppressor to the firearm often as it can loosen during firing.
- Sound suppressors can get very hot! Be careful when attempting to tighten or unscrew the suppressor after firing.
- Do not fire heavy or high grain bullets through a suppressor as they may not stabilize properly and can lead to baffle strikes. Avoid ammunition such as Aguila SSS 60gr.
- Do not hold on to the suppressor while firing!
- Do not attempt to shoot through an obstructed suppressor!
- Lead Warning: Once fired, suppressors contain a great deal of lead residue. Wash your hands after handling.
- Always wear eye protection! Back-pressure from the suppressor will cause combustion byproducts to flow rearward from the actions of semi-automatic firearms.
- Only use this suppressor with the calibers for which it is designed.
- **A suppressed firearm is just as dangerous as a non-suppressed firearm and should be treated carefully to avoid causing bodily injury and property damage.**

CLEANING THE SILENT-SR™

DO NOT DISASSEMBLE A DIRTY SUPPRESSOR UNLESS YOU PLAN ON CLEANING IT.

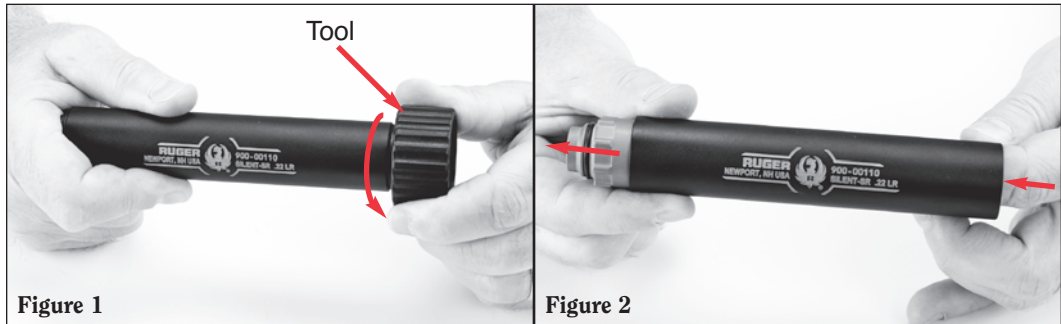
An on-line video demonstrating the proper cleaning procedure for the **RUGER® SILENT-SR™** can be viewed by going to www.ruger.com/resources/videos and then selecting “Ruger Tech Tips.”

A dirty suppressor will not reassemble in the same manner as a clean one. Reassembly of a dirty suppressor will allow carbon and lead to migrate and prevent a tight seal when the suppressor is reassembled. Further firing of the suppressor in this condition will cause lead and carbon to leak in between these newly-formed gaps, which can slowly seize the suppressor baffles to the tube.

IF YOU DISASSEMBLE A DIRTY SUPPRESSOR, ALWAYS CLEAN IT BEFORE REASSEMBLY.

DISASSEMBLY:

1. Using the provided disassembly tool, remove the front and rear caps. (See Figure 1.)
2. Slide the entire stack of baffles out of the rear of the suppressor tube. If necessary, you may tap or push the baffle stack with a wooden dowel. (See Figure 2.)



3. Each component of the baffle stack will need to be snapped apart from the others. While it is suggested to do this by hand (see Figure 3a), you may also place a hex key or punch into the apertures of each component and pry the components apart. (See Figure 3b.)



Figure 3a

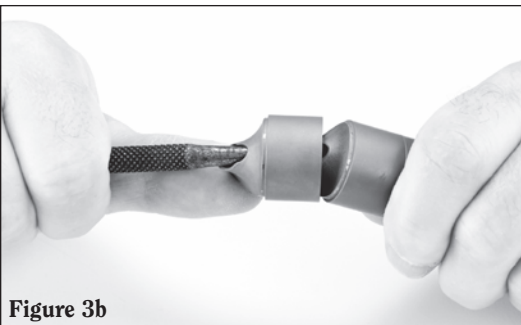


Figure 3b

CLEANING:

Note that the tube and rear cap are made of titanium and aluminum respectively (see Figure 4). **To preserve the finish, do not attempt to ultrasonically clean or scrub at these components with a steel brush. Do not use chemicals that are corrosive to aluminum or titanium.** If these parts require cleaning, you may use a soft brush made from brass, plastic, or cotton.



Figure 4

1. Be sure that the flat, mating surfaces of each baffle are cleaned thoroughly (see Figures 5a & 5b).
2. If an ultrasonic cleaner is available, we recommend that you use it to clean all stainless steel components (muzzle mount, blast baffle, all five primary baffles, and front cap – see Figure 6). If an ultrasonic cleaner is not available, use a wire brush and cleaner to fully clean these components. For tougher deposits use a scraper to remove any carbon and lead.

⚠ Lead Warning: Wash your hands after handling!

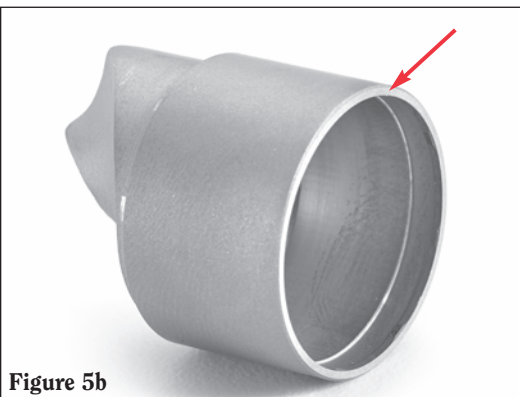
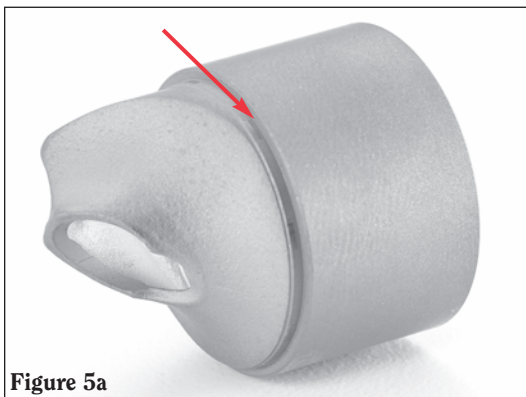


Figure 6

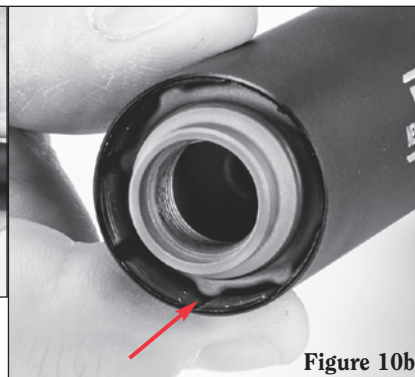


REASSEMBLY:

1. Begin by snapping together the five primary baffles. This is best done by stacking them upwards on a table. The orientation of the baffles does not matter. (See Figure 7.)
2. Snap the blast baffle onto the primary baffle stack. (See Figure 8.)
3. Snap the muzzle mount onto the baffle stack. Inspect the baffle stack to ensure that there are no gaps between the components.



4. Gently insert the baffle stack into the rear of the suppressor tube (see Figure 10a) such that the muzzle mount interlocks with the cuts in the tube. (See Figure 10b.)



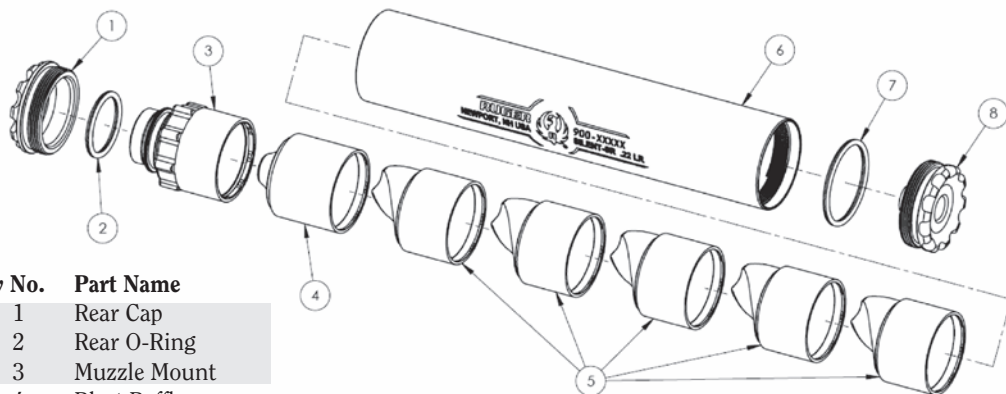
5. Screw on the rear cap until it is hand tight against the tube. Thread the front cap into the tube (see Figure 11a) and use the disassembly tool to tighten. (See Figure 11b.)



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RUGER® SILENT-SR™ **PARTS LIST & EXPLODED VIEW**



Key No.	Part Name
1	Rear Cap
2	Rear O-Ring
3	Muzzle Mount
4	Blast Baffle
5	Primary Baffle
6	Tube
7	Front O-Ring
8	Front Cap