

**RUGER**  
NEWPORT • NH • USA 22 LR



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10/22TD SILENT-SR ISB

# INSTRUCTION MANUAL FOR **SILENT-SR® ISB**

FOR THE RUGER® 10/22 TAKEDOWN® and  
THE 22 CHARGER™ PISTOL TAKEDOWN MODEL



**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 2.)**

## 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.
- As the legal warnings suggest, there are a variety of laws and regulations governing the ownership, use and possession of sound suppressors, and the laws and regulations likely will change with time. It is your responsibility to research and understand how the laws apply to you.



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

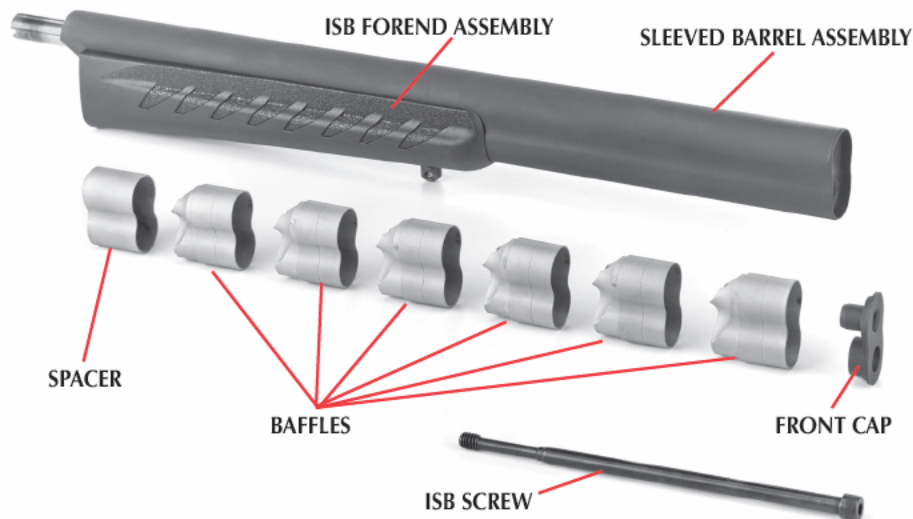
If you have any questions with regard to the performance of your **RUGER® SILENT-SR® ISB** sound suppressor, please call the Customer Service Department at 336-949-5200.

Numerous Federal laws govern the shipment of sound suppressors. If the need arises for you to ship your suppressor to the factory for repair, please contact the Customer Service Department for shipping instructions before you send it to us.

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## NOMENCLATURE



## GENERAL INFORMATION

The **RUGER® SILENT-SR® ISB** .22 LR sound suppressor will drastically reduce the Sound Pressure Level (SPL) of .22 LR 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® ISB** is specifically designed to be disassembled easily and serviced by the user after extensive use. See the section on Cleaning beginning on page 5 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.

- 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.



## FIREARM AND AMMUNITION WARNINGS (cont.)

- Check the tightness of the ISB screw periodically as it can loosen during firing.
- Sound suppressors can get very hot! Be careful when handling 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.
- Do not fire .22 LR shot shells or other multiple projectile ammunition through this suppressor.
- **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® ISB

**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® ISB** can be viewed by going to **Ruger.com/TechTips**.

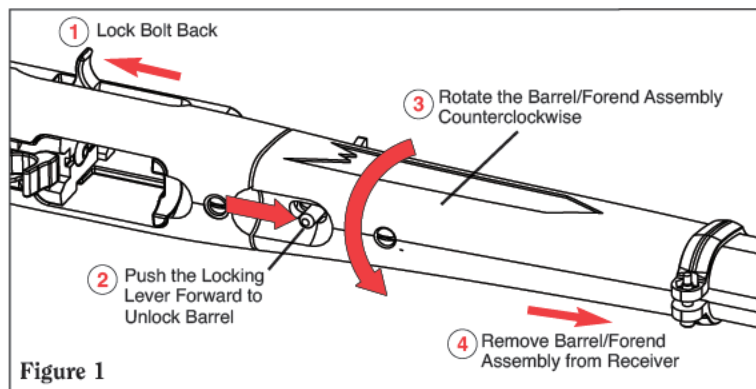
A dirty suppressor will not reassemble in the same manner as a clean one. Reassembly of a dirty suppressor will allow carbon and lead to migrate and prevent a tight seal when the suppressor is reassembled. Further firing of the suppressor in this condition will cause lead and carbon to leak in between 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:**

**BE SURE THE RIFLE IS UNLOADED!**

1. With the rifle pointing in a safe direction, remove the magazine, open the bolt and visually make certain there is not a cartridge in the chamber.
2. Remove the barrel assembly. To remove the barrel assembly, lock the bolt back and push the locking lever towards the muzzle. Next, rotate the barrel assembly *counterclockwise* and pull the barrel assembly out of the receiver. (See Figure 1.)
3. Be sure the muzzle of the barrel is pointed upward. Using a 5/32" Allen wrench, loosen the ISB screw at the front of the muzzle (about 1/4") until it turns freely (see Figure 2), but do not remove.



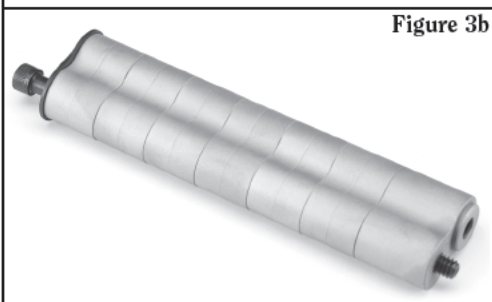
**Figure 1**



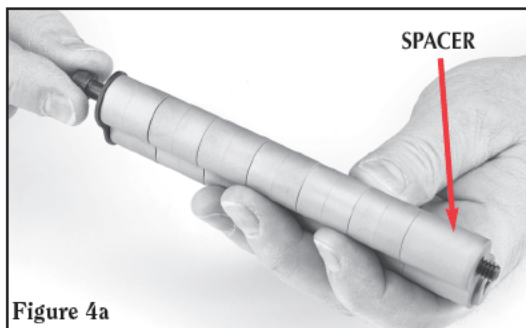
**Figure 2**



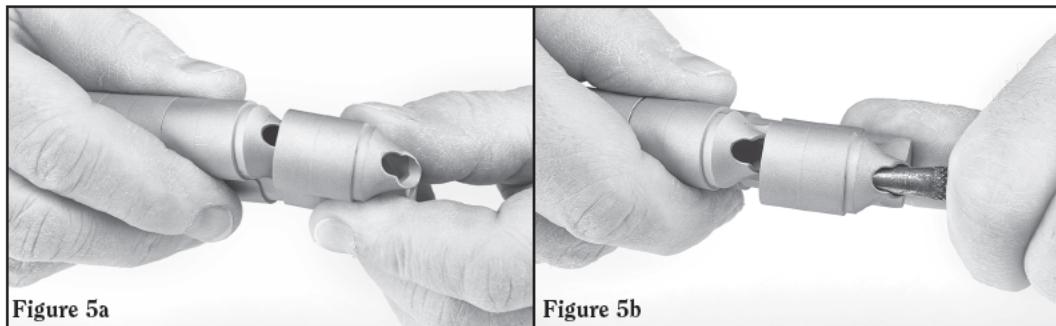
4. Grasp the screw head with your fingers and pull the entire baffle stack out of the sleeve. (See Figures 3a & 3b.)



5. Completely unscrew the ISB screw from the spacer and pull it free. (See Figures 4a & 4b.)



6. 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 5a), you may also place a hex key or punch into the apertures of each baffle and pry the components apart. (See Figure 5b.)



#### CLEANING:

Note that the barrel sleeve is made of aluminum (see Figure 6). **To preserve the finish, do not attempt to ultrasonically clean or scrub at this component with a steel brush. Do not use chemicals that are corrosive to aluminum.** If the barrel sleeve requires cleaning, you may use a soft brush made from brass, plastic, or cotton.





1. Be sure that the flat, mating surfaces of each baffle are cleaned thoroughly (see Figures 7a & 7b).
2. If an ultrasonic cleaner is available, we recommend that you use it to clean all stainless steel components (spacer, baffles, and front cap – see Figure 8). 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!**

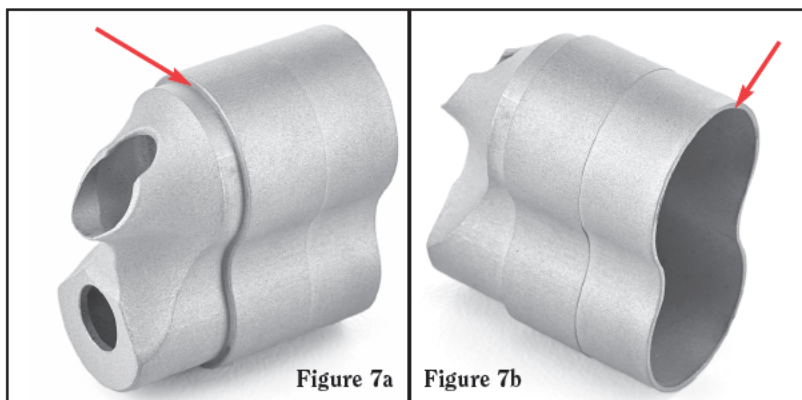
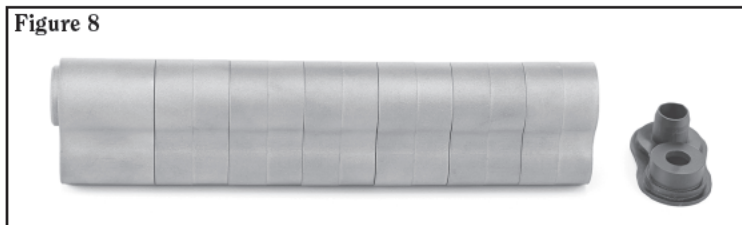
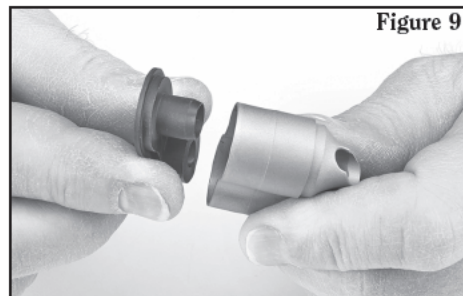


Figure 8

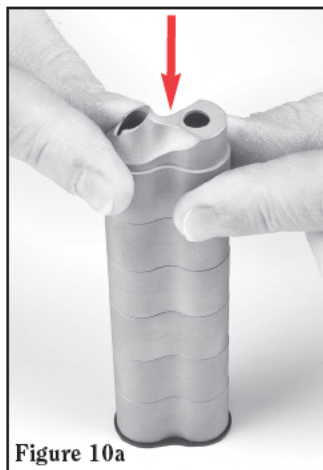


# **REASSEMBLY:**

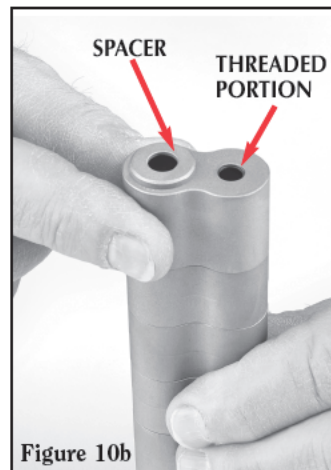
1. Begin by inserting the front cap into one of the six baffles (see Figure 9). The front cap will not align with the baffle if it is not correctly oriented.
2. Continue stacking the rest of the baffles together. This is best done by stacking them upwards on a table. The order of the baffles does not matter, however the orientation of all the baffles must be the same. (See Figure 10a.)
3. Place the spacer on the top of baffle stack. (See Figure 10b.) The spacer will not align with the baffle stack if it is not correctly oriented.



**Figure 9**



**Figure 10a**



**Figure 10b**

4. Insert the ISB screw into the front cap and through the baffle stack until the ISB screw engages the threaded portion of the spacer. Screw the ISB screw into the spacer (see Figure 11). Inspect the baffle stack to ensure that there are no gaps between the components.
5. Gently insert the baffle stack into the sleeved barrel assembly. (See Figure 12.)
6. Tighten the ISB screw and then torque it to a maximum of 95 in-lbs. (See Figure 13.)

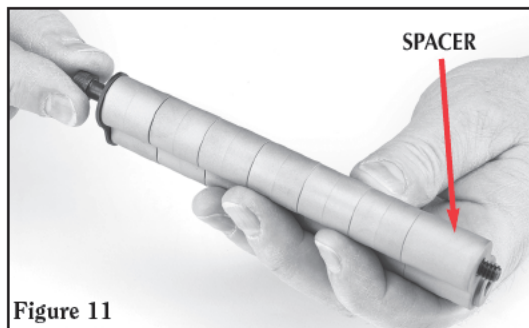


Figure 11

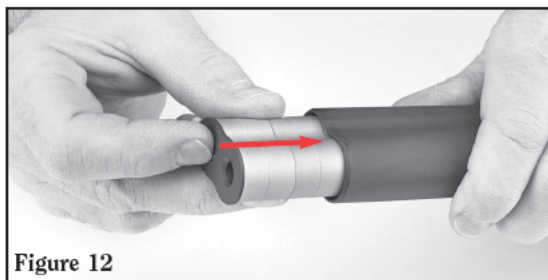


Figure 12

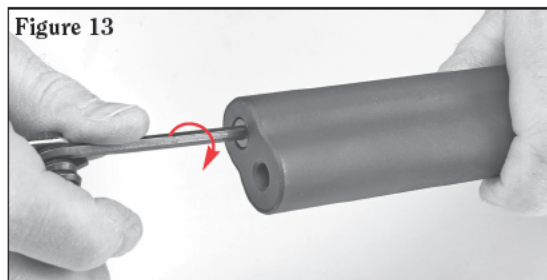


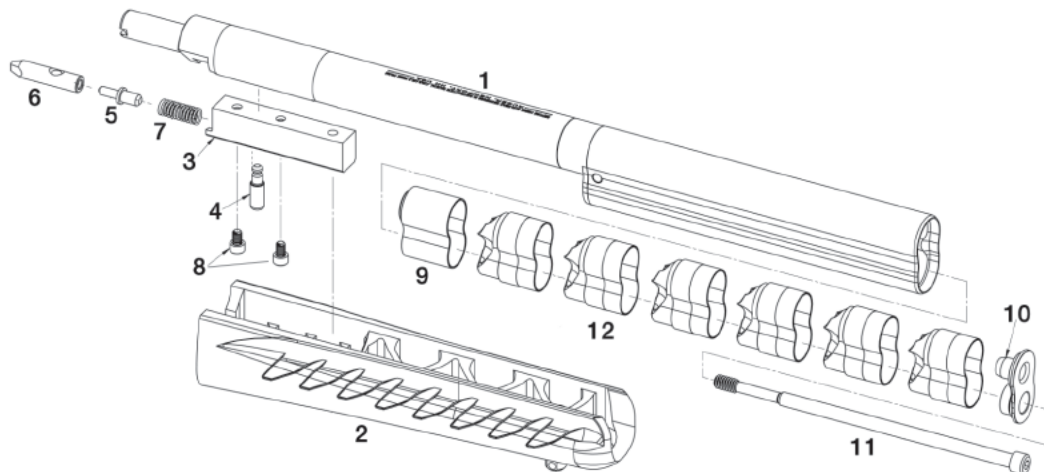
Figure 13

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# RUGER® SILENT-SR® ISB

## PARTS LIST & EXPLODED VIEW



**NOTE:** All suppressor components are factory fit and are not available for re-sale.

Key No.	Part Name
1	Sleeved Barrel Assembly
2	ISB Forend Assembly
3	Block
4	Locking Lever
5	Locking Plunger Detent
6	Locking Plunger

Key No.	Part Name
7	Locking Plunger Spring
8	Mounting Screw, 2 Req'd
9	Spacer
10	Front Cap
11	ISB Screw
12	Baffle, 6 Req'd