



SA22 22LR SUPPRESSOR



U S E R M A N U A L

SYLVAN ARMS

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THE SYLVAN ARMS SA22 is a highly durable, easy to service and very affordable .22LR suppressor. Sleek and modern in its design, it is built of lightweight yet sturdy aluminum baffles, and durable steel tube and end caps. Engineered using the K baffle system for easy dismantling and cleaning, it gives a 40dp reduction for standard velocity .22LR rounds. It is fully auto rated for all .22 caliber ammunition and also has a 1/2-28 direct thread for easy mounting.



SPECIFICATIONS:

Caliber	: .22 LR, .17 HMR, .17 M2, .22 MAG
Silencer Materials	: Grades 5&9 Ti, 17-4 PH SS
Weight	: 4.58 oz.
Length	: 5.25 in.
Diameter	: 1 in.
SPL Reduction	: 40dp

WARNING: Please read the entire manual before using the SA22 22LR Suppressor for instructions on proper use, handling and maintenance of this product. Failure to read this manual and to follow the instructions stated in this manual may lead to injury, damage to property or other more dangerous situations.

STANDARD SAFETY CHECK

Please follow these safety measures before every use, handling and manipulation of any firearm.

1. Set the firearm on its "SAFE" setting.
2. Remove the magazine or ammunition from the firearm
3. Check that there are no remaining rounds in the chamber after removing the magazine.

INSTALLING THE SUPPRESSOR



1. Check the screw thread of your suppressor. Make sure it is clean and free of any foreign materials that may clog the screw or that may burn up due to the heat that accumulates during the suppressors use.
2. Take your firearm and do a **STANDARD SAFETY CHECK**.
3. If your firearm has a muzzle thread protector, remove it to expose the screw thread.
4. Check the thread of the muzzle. Make sure it is clean and free of any foreign materials that may clog the screw or that may burn up due to the heat that accumulates during the suppressors use.
5. Screw in the suppressor on the barrel thread of your firearm. Turn until it gets tight or when the rear part of the suppressor is touching the shoulder of your firearm barrel.

NOTE:

Do not put anything between the suppressor and your firearm such as washers or shims.

WARNING: *The muzzle and the suppressor may get extremely hot after use. It may be necessary to wait for it to cool down or use a pair of heat resistant gloves when handling.*

REMOVING THE SUPPRESSOR



1. Take your firearm and do a **STANDARD SAFETY CHECK**.
2. Unscrew the suppressor from the muzzle of your firearm.
3. If your firearm has a muzzle thread protector, return by screwing it back on.

CLEANING THE SUPPRESSOR



The **SYLVAN ARMS SA22 22LR** Suppressor is good for 1,000 rounds of shooting before it needs a thorough cleaning. When it is time to clean the suppressor, you need to disassemble it first.

DISASSEMBLING THE SUPPRESSOR

1. SAFETY CHECK.

- a. Make sure that the suppressor is not attached to your firearm.
- b. If it is attached to a firearm, follow the instruction on Removing the Suppressor stated above.



2. REMOVING THE FRONT END CAP

- a. Once the Suppressor is detached from your firearm, remove the front end cap of the suppressor by aligning the notches on the supplied end cap removal wrench with the holes on the front end cap.
- b. When these are aligned, turn the end cap removal wrench to unscrew the front end cap until fully unscrewed and remove it from the suppressor tube.



3. REMOVING THE BAFFLES.

- a. After prolonged use lead and other debris will accumulate in the suppressor tube. This may make it difficult to remove the baffles from the suppressor tube. In such cases, use the baffle releasing rod tool to safely remove the baffles from the suppressor tube.
- b. Assemble the baffle releasing rod tool by attaching the brass baffle pusher into the front end of the baffles releasing rod tool.

DISASSEMBLING THE SUPPRESSOR *continued*



- c. Insert the brass baffle pusher end in to the back end of the suppressor tube until the threads of the baffle releasing rod tool aligns with the threads of the back end of the suppressor.
- d. Screw in the baffle releasing rod tool by turning the upper handle (handle nearer the brass baffle pusher) until you get a snug fit.
- e. While holding the upper handle and suppressor tube in place, turn the lower handle of the baffle releasing rod tool clockwise to release the baffles from the suppressor.
- f. If there is too much resistance making it difficult to turn the lower handle, use the appropriately sized wrench or ratchet to assist you in turning.
- g. You will slowly see the baffles coming out from the front part of the suppressor tube.
- h. Continue turning the lower handle until all the baffles are released from the suppressor tube.

WARNING: *Do not remove the rear end cap of the suppressor. It is not necessary to remove this in order to clean it. Removal could cause damage to the suppressor*

CLEANING THE SUPPRESSOR



1. There are of 6 identical baffles with notches on its tops and bottoms. There is also one different baffle that has a thick bottom with no notches. This is the bottom baffle.
2. Insert the bottom baffle in to the suppressor tube first with the thicker side with no notch side going in first facing the bottom of the tube.
3. Insert the remaining 6 baffles one after the other in the same orientation as the bottom baffle (narrower part of the cone facing down).

CLEANING THE SUPPRESSOR *continued*



3. Cleaning the front end cap.
 - a. Remove the O-ring and inspect attached to the front end cap. If it is loose, worn out or broken, replace with a new one.
 - b. If possible, apply a small coat of silicone grease to the O-ring before placing it back on the front end cap. This will help prolong its use.
 - c. Use a pad or swab with solvent to clean the front end cap.
4. Wipe away and make sure there are no remaining traces of the cleaning solvents on all the parts of the suppressor.
5. Apply anti-seize compound on the threads of the front end cap and the threads of the front end of the tube. **DO NOT APPLY** anti-seize compound on the O-ring and the threads on the rear end of the tube.

REASSEMBLING THE SUPPRESSOR



1. There are of 6 identical baffles with notches on its tops and bottoms. There is also one different baffle that has a thick bottom with no notches. This is the bottom baffle.
2. Insert the bottom baffle in to the suppressor tube first with the thicker side with no notch side going in first facing the bottom of the tube.
3. Insert the remaining 6 baffles one after the other in the same orientation as the bottom baffle (narrower part of the cone facing down).
4. After inserting all the baffles, you will notice that the top baffle is almost or is as high as the rim of the front end of the tube.
5. Hold the tube with one hand and press on the top baffle with your pointing finger to keep the top baffle in place.

REASSEMBLING THE SUPPRESSOR *continued*



6. Use your free hand to twist the tube in any direction while keeping the top baffle in place with your pointing finger.
7. You will notice that the baffle will go lower in to the tube as you turn the tube.
8. Continue turning until the top baffle is fully below the threads of the front end part of the tube.
9. Screw on the front end cap to the front end of the tube until tight.
10. If the front end cap can no longer turn but is still not tightly in place, this indicates that the baffles are not yet fully aligned.
11. To fix this, remove the front end cap and repeat steps 5 to 9 of Reassembling the Suppressor.
12. Once the front end cap is tight, you are all done.

AMMUNITION GUIDE: The type of ammunition affects the quality and amount of noise suppression your suppressor can achieve. For maximum noise suppression use subsonic velocity ammunition. When fired from pistol length barrels most ammunition will remain subsonic. The only exception are hyper velocity types ammunition. For rifle length barrels, standard and subsonic velocity ammunition is recommended for the best sound suppression. There are European ammunition manufacturers that produce subsonic ammunition specifically for suppressor equipped firearms. There are also very good U.S. manufactured standard and subsonic velocity ammunition that will work as well.

WARRANTY: We warrant this product against any manufacturing defects in material and workmanship for a period of one (1) year from date of purchase. This warranty is valid only by completion of the warranty card and original or photocopy of sales receipt.

This warranty does not cover any defects or damages caused by the following:

- Misuse of the product
- Negligence or lack of maintenance
- Normal wear on parts
- Use of parts not manufactured by the manufacturer
- Modification or removal of parts

NOTE: DO NOT RETURN THIS PRODUCT TO THE STORE WHERE IT WAS PURCHASED.

To make a claim, write to Sylvan Arms at the address below. Customer Service will inform you of the appropriate procedure to follow. The Warranty Card together with the sales receipt must be presented when Warranty Services are required.

The purchaser is responsible for all related expenses if product is not covered under warranty.

Sylvan Arms 1430 Enterprise Ave. Myrtle Beach, SC 29577

Phone: 888.256.5632

E-mail: sales@sylvanarms.com

WARRANTY SERVICE

Contact the Sylvan Arms helpline for more information regarding obtaining warranty service at 888.256.5632. To obtain warranty service, be ready to provide the following:

- Serial number
- Date and place of purchase
- Original dated sales slip
- Your name and address
- A description of the problem

All repair work will be done by Sylvan Arms or its authorized agents. Any replaced defective parts will not extend this warranty period. Service under warranty will not extend this warranty period.

WARRANTY LIMITATIONS AND EXCLUSIONS

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose. Powerhouse's liability is limited to the cost of repair or replacement of the product. Powerhouse will not be liable for any consequential damages or incidental damages you incur in connection with your purchase and use of your unit. This limitation is not allowed by some states and so this limitation may not apply to you. This warranty gives you specific legal right. You may also have other rights that vary by state.

Sales outside the U.S.A.

FOR SYLVAN ARMS PRODUCTS SOLD OUTSIDE THE U.S.A, CONTACT YOUR DEALER FOR WARRANTY INFORMATION AND SERVICE.

