

RANGER 2

GENERAL INFORMATION

The **RANGER 2™** is small, lightweight, highly efficient thread mounting sound and flash suppressor designed for use on 5.56mm weapons. The RANGER-2 will deliver a lifetime of service under the most demanding conditions due to its fully welded construction of 316 stainless steel and Inconel. The low profile, lightweight design of the RANGER-2 does not interfere with the handling dynamics of the host weapon, and the excellent size to performance ratio can be appreciated by sport and tactical shooters alike. The RANGER-2 is available with standard 1/2-28 TPI threads.

TECHNICAL SPECIFICATIONS

Caliber	5.56mm
Silencer Construction Materials	300 Series SS, Inconel 718
Weight	15.4 oz.
Length (O.A.)	6.0 in.
Diameter	1.50 in.
SPL reduction	28-30 dB
Silencer Finish	Moly Resin™

WARNING

Failure to follow instructions set forth in this manual can create a potentially dangerous situation for the operator and damage to the silencer and host firearm.

MANUFACTURER'S DISCLAIMER

ADVANCED ARMAMENT CORP. shall not be responsible in any manner whatsoever for physical injury or property damage stemming from criminal or negligent misuse, improper or careless handling, unauthorized modifications, defective, improper hand-loaded or reloaded ammunition, neglect, or other influences beyond direct and immediate control of AAC. If you do not understand the instructions in this manual, please contact ADVANCED ARMAMENT CORP. for further clarification.

NOTES ON USAGE

The impressive sound reduction of the RANGER 2™ is achieved through a highly aerodynamic baffle design and advanced construction materials and techniques. Like most compact silencers designed for 5.56mm weapons, the RANGER-2 will increase the back pressure on the moving parts of the host firearm. There are two characteristics related to this phenomenon. First, users may notice a slight increase in the cyclic rate of the host firearm when full auto firing is employed. Also, the increased back pressure forces a small amount of propellant gas back through the ejection port. This quantity of gas may be accompanied by minute particles of unburned powder, so proper eye protection is mandatory.

WARNING

Before initiating Installation/Removal procedures, place the host firearm on "safe", remove the magazine from the weapon, lock the bolt to the rear and visually ascertain the chamber is empty and the host weapon is unloaded.

INSTALLATION OF SILENCER

1) Remove existing flash hider from host weapon following instructions in the host weapon operator's manual. If there is a washer present between the flash hider and the barrel shoulder behind the threads, remove the washer as well.

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NOTE: If the host weapon used a split ring lock washer to keep the original flash hider tight on the barrel, the barrel may have burrs that must be removed before the RANGER-2 is used. Failure to remove the burrs will alter the alignment of the silencer, resulting in damage to the silencer.

NOTE: DO NOT use a washer between the RANGER-2 silencer and the barrel of the host weapon. Doing so will alter the alignment of the silencer, resulting in damage to the silencer.

2) Clean the exposed barrel threads and shoulder of any old adhesive, grease, dirt and rust using a solvent moistened cleaning brush.

3) Screw the RANGER-2 onto the barrel threads hand-tight. The silencer must thread fully onto the host weapon barrel so that the rear of the silencer indexes against the 90° shoulder behind the barrel threads.

4) Since thread mounting silencers are known to unscrew during firing, IT IS OF THE UTMOST IMPORTANCE THAT USERS FREQUENTLY CHECK THAT THE SILENCER REMAINS SECURELY THREADED TO THE BARREL. Please note that the silencer will be very hot during and after firing, so the use of a heat-resistant glove to re-tighten the silencer is mandatory.

ALIGNMENT AND BARREL LENGTH NOTES

Alignment of the RANGER-2 silencer is controlled by the relationship between the rear face of the silencer surrounding the threaded socket and the shoulder on the host weapon barrel behind the threads. The shoulder on the host weapon barrel must be cut perfectly perpendicular to the bore axis and be no smaller than .625" (5/8") diameter.

We guarantee alignment of the RANGER-2 only on factory threaded barrels and those modified by Advanced Armament Corp. or recommended vendors. Do not use the RANGER-2 on barrels modified by other sources without first submitting the proposed barrel to AAC for thread and concentricity verification. Damage to the silencer resulting from improper installation will not be covered under warranty, and Advanced Armament Corp. denies liability for injury or damage caused by improper installation. Any repairs to the unit made necessary by user misuse or neglect will be invoiced to the owner.

Due to the potential risk for damage due to a baffle strike from an unstable projectile, we only warranty the RANGER-2 on weapons using a barrel with a length of 10 inches (254mm) or greater.

WARNING

Silencers for 5.56mm weapons are known to reach temperatures in excess of 600 degrees Fahrenheit under normal use. The RANGER-2 silencer is designed to withstand intermittent full auto fire, and will quickly reach temperatures in excess of 800 degrees. These temperatures can cause severe burns and ignite objects the silencer comes in contact with while at these temperatures. Users must be vigilant in preventing contact between the RANGER-2 and skin, clothing, and combustible objects during use.

WARNING

Before detaching the silencer for cleaning, remove the magazine from the weapon, open the breech and visually ascertain that the chamber is clear and unloaded. The silencer may then be removed from the host weapon after its exterior reaches a temperature where it can be grasped with a bare hand or heat resistant glove.

CLEANING AND MAINTENANCE

The welded 316 stainless steel construction of the RANGER-2 makes it unnecessary to engage in frequent cleaning or maintenance. We recommend cleaning through immersion every 1500-2000 rounds of use. Water based cleanser such as Formula 409 and Simple Green work very well for removing carbon deposits, as do most organic solvents. Lacquer thinner and disk brake cleaner may be also be used. After soaking the unit overnight (or after 30 minutes in an ultrasonic cleaner) the silencer may be drained by standing first on one end and then on the other. The silencer should then be rinsed with clean water and blown out with compressed air. Avoid getting oil on either the inner or outer surfaces of the silencer, as it will smoke upon firing.

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