

**GENERAL DESCRIPTION** – This operator’s card details the proper use and maintenance of the PRODIGY™ silencer. The PRODIGY™ is a compact, light-weight, ultra-high-efficiency thread-mounting silencer for pistols, rifles, and machineguns chambered for .22 Long Rifle ammunition. The PRODIGY™ uses an innovative modular design that enables users to quickly and easily disassemble the silencer into just two components for cleaning and maintenance.

**MANUFACTURERS 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 our direct and immediate control. If you do not understand the instructions and recommendations in this manual, contact ADVANCED ARMAMENT CORP at 770-925-9988 for clarification.

### **THE TEN COMMANDMENTS OF FIREARMS SAFETY**

1. Always keep the firearm pointed in a safe direction.
2. Firearms should be unloaded when not actually in use.
3. Do not rely on the firearm’s safety.
4. Be sure of your target and what’s beyond it.
5. Only use ammunition that exactly matches the markings on your firearm.
6. If your firearm fails to fire when the trigger is pulled, handle with care.
7. Always wear eye and ear protection when shooting.
8. Be sure the barrel is clear of obstructions before shooting.
9. Don't alter or modify your firearm and have firearms serviced regularly.
10. Learn the mechanical and handling characteristics of the firearm you are using. Read your firearm's instruction manual.

**WARNING!** – Failure to follow the instructions and recommendations set forth in this manual can create a potentially dangerous situation for the user and surrounding personnel, and possibly leading to property damage, personal injury and/or death.

**WARNING!** – Discharging silenced firearms can make airborne and/or deposit lead and other substances around, on and in the silencer. Using, handling and/or cleaning a silencer may result in exposure to lead and other substances known to cause birth defects, reproductive harm, cancer and other serious physical injury. Have adequate ventilation at all times and wash hands thoroughly after exposure.

**WARNING!** – Never install or remove a silencer on or from a host firearm that you have not verified to be completely empty and rendered safe. Installing or removing a silencer on or from a loaded firearm may lead to property damage, personal injury and/or death.

**WARNING!** – Always wear eye protection when discharging a firearm equipped with a silencer. Discharging a firearm without wearing eye protection may lead to property damage, personal injury and/or death.

**WARNING!** – Silencers can become extremely hot while the host firearm is being discharged. After shooting, allow the silencer to reach ambient temperature before attempting to remove the silencer from the firearm. If removal is necessary prior to the silencer cooling to ambient and/or the tightness of the silencer on the host firearm barrel must be verified, the use of heat resistant gloves is mandatory. Handling a hot silencer without heat resistant gloves may lead to skin burns and/or personal injury.

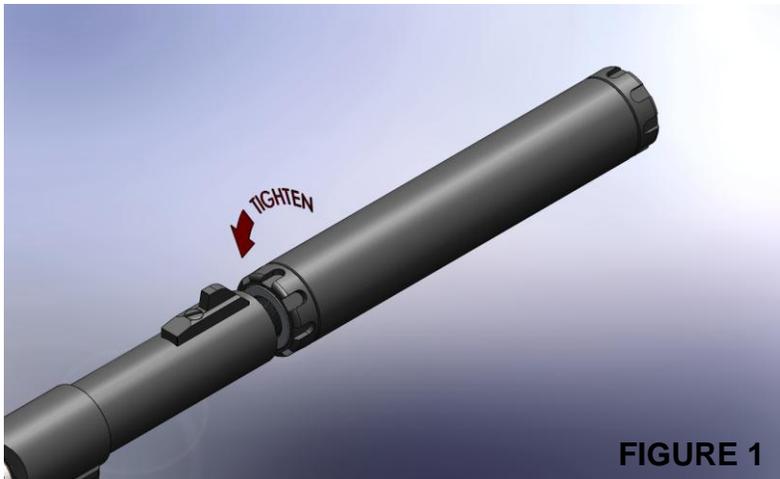
**WARNING!** – The bore through your PRODIGY™ silencer must align concentrically with the bore of the barrel to which it is mounted. A mismatch of the silencer and barrel bores may lead to property damage, personal injury and/or death.

**WARNING!** – The barrel threads must be properly machined to allow proper attachment of a PRODIGY™ silencer. The use of an improperly threaded barrel with a PRODIGY™ silencer may lead to property damage, personal injury and/or death. Barrel threading guides are available on the AAC website at [www.advanced-armament.com](http://www.advanced-armament.com). For further clarification on muzzle threads, contact ADVANCED ARMAMENT CORP at 770-925-9988.

**WARNING!** – Only fire .22 Long Rifle ammunition through a PRODIGY™ silencer. The use of ammunition other than .22 Long Rifle ammunition may lead to property damage, personal injury and/or death.

## **INSTALLING A PRODIGY™ SILENCER**

1. Always keep the firearm pointed in a safe direction.
2. Render the firearm safe by removing the magazine, completely unloading the firearm and engaging the safety to the “SAFE” position. See the firearm’s owner’s manual for detailed instructions.
3. Remove the thread protector from the muzzle.
4. Inspect the muzzle threads to verify they are clean and undamaged.
5. Inspect the threads in the rear of the silencer to verify they are clean and undamaged.
6. Look through the silencer from the rear to ensure the bullet path through the silencer is unobstructed.
7. Examine the silencer for any signs of damage.
8. Carefully thread the silencer fully onto the host firearm. See Figure 1.



9. Tighten the silencer with sufficient torque to keep the silencer securely attached to the barrel during operation.

**WARNING!** – Never attempt to attach a PRODIGY™ silencer to muzzle threads that are dirty or damaged, as this may lead to property damage, personal injury and/or death.

**WARNING!** – Never attempt to attach a PRODIGY™ silencer with dirty or damaged attachment threads to a firearm, as this may lead to property damage, personal injury and/or death.

**WARNING!** – Never use a silencer with an obstructed bore, as this may lead to property damage, personal injury and/or death.

**WARNING!** – It is the responsibility of the user to ensure the silencer stays securely threaded to the barrel of the host firearm during use. Failure to ensure the silencer stays securely threaded to the host firearm may lead to property damage, personal injury and/or death.

### **VERIFYING SECURE INSTALLATION OF A PRODIGY™ SILENCER**

1. Always keep the firearm pointed in a safe direction.
2. Render the firearm safe by removing the magazine, completely unloading the firearm and engaging the safety to the “SAFE” position. See the firearm’s owner’s manual for detailed instructions.

**WARNING!** – Silencers can become extremely hot while the host firearm is being shot. Heat resistant gloves must be worn when verifying the security of the installation of a PRODIGY™ silencer on the host firearm. Handling a hot silencer without heat resistant gloves may lead to skin burns and/or personal injury.

3. Carefully tighten the silencer fully onto the host firearm.

## REMOVING A PRODIGY™ SILENCER

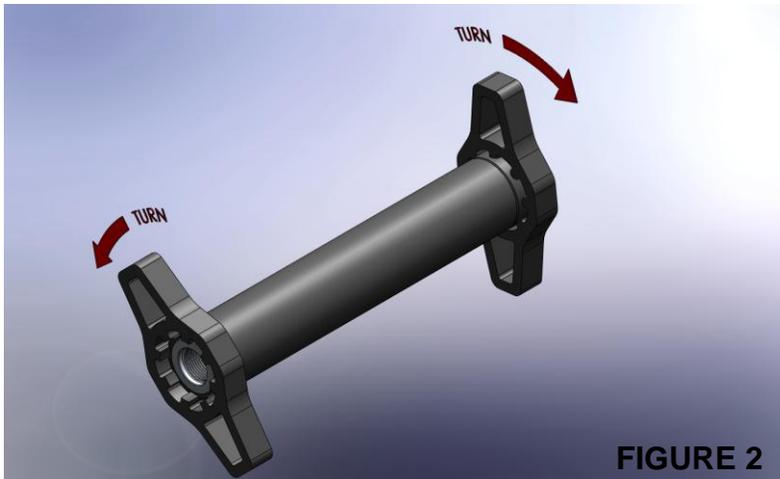
1. Always keep the host firearm pointed in a safe direction.
2. Render the firearm safe by removing the magazine, completely unloading the firearm and engaging the safety to the “SAFE” position. See the firearm’s owner’s manual for detailed instructions.
3. Verify the silencer is at ambient temperature. If the silencer is hot, allow it to cool.
4. Grasp the silencer by the rear gripping surfaces and carefully unscrew the silencer from the host firearm’s muzzle threads.

**WARNING!** – Never handle a hot silencer without protective gear, as this may lead to property damage, personal injury and/or death.

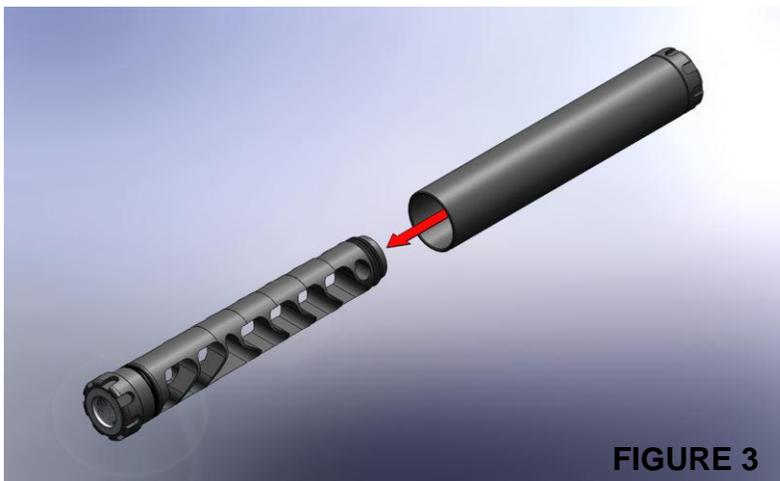
**CLEANING A PRODIGY™ SILENCER – Every 200 Rounds** - It is recommended that users dismount the PRODIGY™ silencer from the host firearm after every 200 rounds of use and remove the tube from the core assembly. Frequent removal of the tube from the core assembly will make future disassembly easier by fracturing lead and carbon fouling that can solder the tube to the core assembly.

**WARNING!** – Only perform disassembly, cleaning, and maintenance procedures on silencers that are not mounted to a firearm. Attempting to clean or perform maintenance on a mounted silencer could lead to property damage, personal injury and/or death.

1. See “Removing a PRODIGY™ Silencer” in these instructions.
2. While holding the silencer securely by hand over the gripping surfaces at either end, unscrew the tube from the core assembly. A pair of PRODIGY™ disassembly tools (AAC Part Number 102928), available separately, can provide additional leverage and torque for unscrewing the tube from the core assembly. See Figure 2.



3. Once the core assembly and tube have been separated, the two can be screwed back together by hand. DO NOT use the PRODIGY™ disassembly tools to reassemble or tighten the core assembly and tube, as over-tightening the tube to the core assembly can make future disassembly difficult. See Figure 3.



4. The PRODIGY™ may now be re-installed on the host firearm. See “Installing a PRODIGY™ Silencer” in these instructions.

**CLEANING A PRODIGY™ SILENCER – Every 600 Rounds** - It is recommended that users dismount the PRODIGY™ silencer from the host firearm after every 600 rounds of use, separate the tube and core assembly, and perform a complete and comprehensive cleaning.

**WARNING!** – Only perform disassembly, cleaning, and maintenance procedures on silencers that are not mounted to a firearm. Attempting to clean or perform maintenance on a mounted silencer could lead to property damage, personal injury and/or death.

**WARNING!** – Only clean the PRODIGY™ silencer using a solvent that is not harmful to anodized aluminum, such as acetone, paint thinner, or lacquer thinner. Exposing the anodized aluminum components of the PRODIGY™ silencer to a solvent that is not aluminum friendly can weaken the structural design of the silencer. Using a PRODIGY™ silencer with a weakened structure may lead to property damage, personal injury and/or death.

**WARNING!** – Only use solvents in a well ventilated area away from open flames. Exposure to solvents may lead to property damage, personal injury and/or death.

**WARNING!** – Always wear protective gear, such as eye protection and rubber gloves when working with any solvent. Unprotected exposure to solvents may lead to property damage, personal injury and/or death.

**WARNING!** – Do not clean a PRODIGY™ silencer using an ultrasonic cleaner. Ultrasonic cleaners can damage aluminum components and weaken the structural design of the silencer. Using a PRODIGY™ silencer with a weakened structure may lead to property damage, personal injury and/or death.

1. See “Removing a PRODIGY™ Silencer” in these instructions.
2. While holding the silencer securely by hand using the gripping surfaces on the tube and core assembly, unscrew the tube from the core assembly. A pair of PRODIGY™ disassembly tools (AAC Part Number 102928), available separately, can provide additional leverage and torque for unscrewing the tube from the core assembly. See Figure 2.
3. Using solvent and a small plastic bristled brush or cotton swab to remove deposits of carbon, lead, and unburned powder from the baffles and baffle supports on the core assembly. See Figure 4. Be sure to use a solvent that is safe for use on anodized aluminum such as paint thinner, lacquer thinner, or acetone.



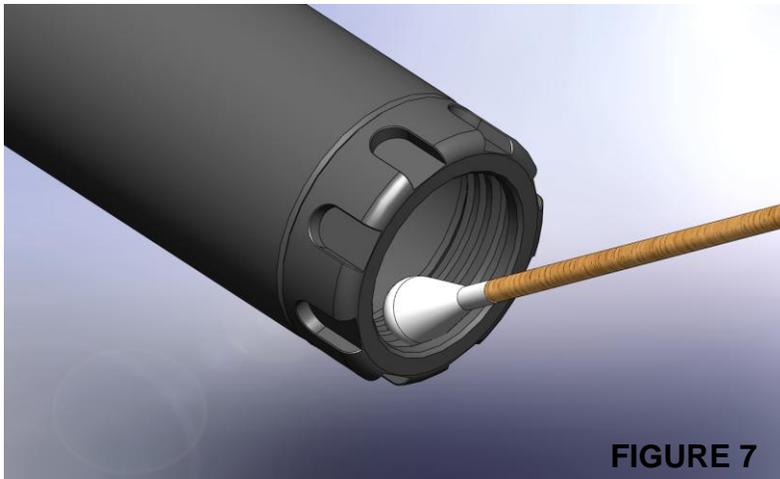
4. Using solvent and a small plastic bristle brush or cotton swab, clean the female threaded socket in the rear of the core assembly. See Figure 5.



5. Using solvent and a small plastic bristle brush, clean the interior of the tube. See Figure 6.



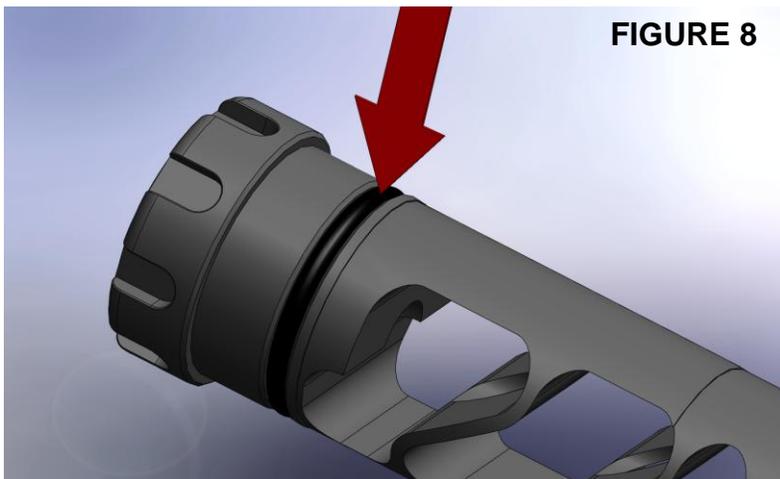
6. Using a small plastic bristle brush or cotton swab and solvent, clean the threaded socket in the front of the tube. See Figure 7.



7. Rinse all traces of solvent from the core assembly and tube with warm detergent water.

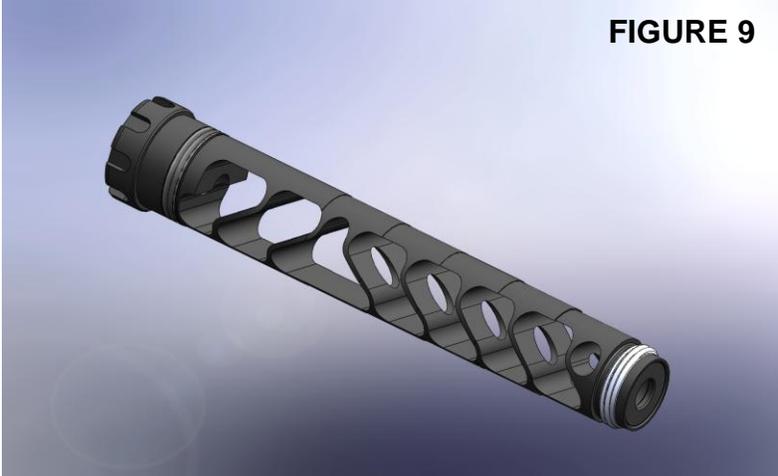
**WARNING!** – All traces of solvent must be rinsed from the core assembly and tube assembly with hot detergent water prior to use. Failure to remove all solvent from the silencer may lead to property damage, personal injury and/or death.

8. Inspect the o-ring located on the outside-rear of the core assembly. Replace it if it has become worn or frayed. Replacement o-rings can be bought from McMaster Carr – Part Number 9263K185 – 19mm I.D. x 23mm O.D. See Figure 8.



9. Apply a small amount of white lithium grease to the exterior of the o-ring and to the male threads on the front of the core assembly. See Figure 9.

**FIGURE 9**



10. *Using no tools and hand strength only*, thread the core assembly and tube assembly back together. See Figure 3.