

# **BAM MACHINE**

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## **BM10 SILENCER**

**OWNER'S MANUAL**

**READ BEFORE USE**

# INTRODUCTION

Thank you for choosing Bam Machine for your recent silencer purchase. If you have any questions regarding the proper use of your silencer, you are encouraged to use the contact information at the end of this manual to contact Bam Machine.

**YOU MUST READ THIS MANUAL IN IT'S ENTIRETY BEFORE USING THIS PRODUCT. FAILURE TO DO SO MAY RESULT IN DAMAGE TO PROPERTY, BODILY INJURY TO SELF OR OTHERS, AND/OR DEATH.**

**FIREARMS ARE DANGEROUS AND MISHANDLING THEM CAN RESULT IN IN DAMAGE TO PROPERTY, BODILY INJURY TO SELF OR OTHERS, AND/OR DEATH. IF YOU HAVE NOT RECEIVED PROFESSIONAL TRAINING IN THE SAFE HANDLING AND USE OF FIREARMS DO NOT ATTEMPT TO USE THIS PRODUCT. STOP AND SEEK PROFFESIONAL TRAINING BEFORE HANDLING AND USING YOUR FIREARM WITH A SILENCER.**

# INSTALLATION

Before installing or removing a silencer on any firearm, always make sure of the following:

- 1) Read and understand the owner's manual of your host firearm. Verify that the installation of a silencer will not void your firearm's warranty.
- 2) Ensure the firearm's muzzle is always pointed in a safe direction and that your fingers, hands, and other small objects are always kept far from the trigger.
- 3) Remove any magazine or ammunition from the firearm and visually check that the firearm's chamber is unloaded, always leaving the firearm's action open during installation or removal of your silencer from the firearm. Never install or remove a silencer from a firearm with a closed action.
- 4) Remove all ammunition and/or magazines from the room where you will be installing or removing the silencer from your firearm.

Your BM10 Silencer features SAAMI Rimfire specified 1/2" x 28tpi mounting threads. Verify that the muzzle threads of your host firearm are compatible before attempting to mount the silencer to your firearm.

A simple solution of dish soap and water applied with a nylon brush and blown dry with compressed air is all that is typically needed to clean threads. If threads have become carbon fouled, a carbon solvent may be needed instead. Never use abrasives such as metal wire brushes to clean threads. Make sure to always wear proper Personal Protective Equipment when handling solvents or using compressed air to clean threads.

Once threads are verified to be clean, thread the silencer onto the muzzle threads of your firearm, making sure the silencer is fully seated against the shoulder of the muzzle threads using your hand to lightly torque and snug the silencer into place.

IF YOU EXPERIENCE ANY TYPE OF RESISTANCE WHILE THREADING THE SILENCER ONTO THE MUZZLE THREADS, STOP IMMEDIATELY! NEVER ATTEMPT TO FORCE THE SILENCER TO THREAD ONTO THE MUZZLE THREADS. DOING SO MAY RESULT IN PERMENANT DAMAGE TO YOUR SILENCER.

Gently back the silencer back off the muzzle threads if you encounter any resistance and double check to verify that your threads are clean.

If both threads are completely clean and you are still encountering resistance, it is entirely possible that the muzzle threads were manufactured slightly out of tolerance. If you suspect this, please contact the barrel manufacturer to discuss a remedy.

If you will be removing the silencer from your firearm on a regular basis, it is recommended to use a small amount of white lithium grease on the threads of the silencer and muzzle threads to ease removal and aid in cleaning of threads.

# CONCENTRICITY CHECK

Before using any combination of silencer and firearm for the first time, a concentricity check will need to be performed before live fire.

This check can normally be completed by a simple visual inspection with the silencer installed on the firearm.

Quadruple check that the firearm is unloaded and that no ammunition is present in the same room as the firearm while conducting a visual check.

With the silencer installed on the firearm, shine a flashlight into the chamber of the firearm to illuminate the bore of the firearm and silencer while looking down the bore of the silencer.

If any portion of the bore of the silencer's endcap or the bore of any baffle appears to overlap the bore of the firearm, it is extremely important not to attempt live fire with this combination of silencer and firearm. Failure to do so may result in bullets striking and damaging baffles or the endcap and create unsafe operating conditions while using your silencer.

It is entirely possible that the muzzle threads of the firearm you are attempting to use were not manufactured concentric to the bore of the barrel. If you suspect this, please contact the barrel manufacturer to discuss a remedy.

If the visual check does not show any overlap and all parts look uniform and concentric to each other, your silencer should be safe for live fire.

# REMOVAL

Removal will be the opposite of installation with the exception that the safe handling / unloading precautions previously outlined should always be observed before beginning removal of the silencer from the firearm.

Use your hand to grip the silencer when unthreading the silencer from a barrel. Always allow several minutes for your silencer to cool after firing before attempting to touch your silencer with your bare hand.

If the silencer tube begins to unthread from the mount rather than the mount unthreading from the barrel, use the supplied 1" open-ended wrench installed over the two flats on the mount to break the mount free from the barrel threads. Continue to use your hand to grip the silencer for the remainder of removal.

**IF YOU ENCOUNTER DIFFICULTY REMOVING YOUR SILENCER FROM A FIREARM, STOP IMMEDIATELY AND SEEK PROFESSIONAL HELP. FAILURE TO DO SO MAY RESULT IN PERMANENT DAMAGE TO YOUR SILENCER.**

# DISASSEMBLY & CLEANING

The BM10 silencer is user-serviceable to allow disassembly for cleaning. Cleaning frequency will vary depending on the type of ammunition used. It is recommended to clean your silencer after the first use to familiarize yourself with the process and gauge future cleaning intervals. It is recommended to clean your silencer at least every 1,000 rounds or sooner thereafter.

To disassemble your silencer, use the following steps:

- 1) Unthread the mount from the tube.
- 2) Unthread the end cap from the tube.
- 3) Slide the baffle stack out of the tube on the end where the end cap was installed. Make special note of the appearance of the first, seventh, and ninth baffles (first baffle being the one closest to the barrel). All three of these have slight differences, and they should be reinstalled in the stack at their intended positions after cleaning.

If the baffle stack does not slide out, never attempt to push on it with your thumb or fingers. This may result in severely cutting yourself on the baffles or tube edge. Instead, use a piece of wooden dowel or plastic pipe to LIGHTLY tap out the baffle stack from the tube. Never stand the tube upright on a hard surface such as a counter or metal bench when tapping on the baffle stack. Use a semi-soft surface such as a hand towel or scrap 2x4 lumber to perform this task if necessary.

If light tapping does not remove the baffle stack it is recommended to increase cleaning intervals. Soak the inside of the silencer with a solvent such as CLR cleaner to safely remove the baffle stack if it will not tap out. To do this, reinstall the end cap, insert a silicone plug to seal the bore of the end cap, fill the silencer with CLR cleaner, and allow the silencer to soak for several hours or overnight. Drain and dispose of cleaner according to local regulations and rinse out any remaining residue with clean water. It may take 2-4 soakings to be able to remove a stuck baffle stack depending on the amount of build-up that accumulated.

Once disassembled, clean all threads and inside of the tube with a small nylon brush and cleaning solvent of your choice. Avoid abrasive cleaning pads or tools such as Scotch Brite Pads or metal wire brushes to clean any threaded portion or the exterior of your silencer. The exterior of your silencer may be periodically cleaned with a soft cloth and cleaning solvent or gun oil of your choice.

Baffles may be cleaned in a sonic cleaner, tumbled with or without media, or simply cleaned by hand with the solvent of your choice. Stubborn carbon and/or lead deposits around the bore, clips, and ports of the baffles should be removed mechanically with a tool such as a machinist's scribe or dental pick.

# REASSEMBLY

To reassemble the silencer after cleaning, use the following steps:

- 1) Stack baffles one on top of another in their appropriate order with tips facing upwards. Start with the ninth baffle and end with the blast chamber spacer as the top piece in the stack. The thicker end of the blast chamber spacer should be facing up to make contact against the mount upon reassembly. Double check to make sure all pieces are fully seated against each other.
- 2) Install the mount into the tube and torque firmly by hand.
- 3) Slide the tube over the baffle stack and gently tip assembly to one side using your finger to keep baffle stack inside tube as you tip the assembly upwards.
- 4) Install end cap and torque firmly with the provided end cap wrench.

If baffles are installed with clips aligned, first round pop will be minimized and should not be noticeable. If baffles are installed without clips being aligned, there will likely be a noticeable first round pop, but sound meter testing has shown that the remaining shots will be as quiet or slightly quieter compared to installing baffles with aligned clips.

# **RESTRICTIONS**

**THE BM10 SILENCER IS ONLY FOR USE WITH RIMFIRE FIREARMS OF 22 CALIBER OR SMALLER.**

Do not attempt to use your silencer on firearms that are large than 22 caliber or on a firearm that uses centerfire ammunition. This will create permanent damage to your silencer along with extremely dangerous operating conditions.

**THE BM10 SILENCER MUST NOT BE USED UNDER FIRING CONDITIONS THAT REACH 800 DEGREES FAHRENHEIT OR GREATER.**

Normal use should not approach this temperature range, but it is your responsibility to physically check the temperature of the silencer with an accurate thermometer if there is any risk that your activity with the silencer will approach this temperature range.

# GENERAL PRECAUTIONS

Your silencer is a federally regulated firearm under the National Firearms Act (NFA) that requires certain legal responsibilities for ownership. It is important that you understand and follow all federal, state, and local laws regarding silencer ownership. Consult an attorney experienced in NFA Law if you have any questions regarding the legal possession, transportation, or storage of your silencer.

Always make sure your silencer is properly secured and installed to the firearm while you are firing. Check between strings of fire or at reloads to make sure your silencer has not worked loose at any threaded connection.

A silencer that has worked even slightly loose while firing can cause bullets to strike and damage the baffles or end cap and create unsafe operating conditions while using your silencer.

Silencers can become extremely hot and burn your skin if touched, even after only a few rounds of fire. Never touch a silencer with your bare hand until several minutes after firing.

Never rest your silencer against a meltable or flammable surface after firing until several minutes have elapsed and the silencer has cooled to room temperature.

# **WARRANTY**

Your silencer is covered by a limited lifetime warranty against all manufacturing defects. It is at the sole discretion and determination of Bam Machine if any damage to your silencer is the result of a manufacturing defect covered by this warranty. It is also at the sole discretion and determination of Bam Machine if damage to your silencer deemed to be covered by this warranty shall be remedied by method of repair, replacement, or refund of purchase price.

This warranty does not extend to incidents involving criminal acts, alterations, modifications, abuse, use of defective ammunition, normal wear to exterior finish or baffles, or neglect, including neglecting to follow any restrictions, precautions, or guidelines previous outlined in this manual.

If you happen to experience damage to your silencer you are encouraged to contact Bam Machine to inquire if it is eligible for repairs covered by this warranty. Never send your silencer to Bam Machine for warranty service without prior approval and the required BATFE paperwork.

# **REPAIR**

Repairs can often be made for minimal costs if you happen to experience damage to your silencer due to incidents not covered under warranty.

You are encouraged to contact Bam Machine with pictures of the damage and a description of the repair you are seeking in order to receive a repair quote for your silencer. Never send your silencer to Bam Machine for repair work without prior approval and the required BATFE paperwork.

# DISCLAIMER

By purchasing this product, the registered owner of this product acknowledges that this product is potentially dangerous and deadly, and as such, assumes all levels of liability, whether direct or consequential, including but not limited to damages to any and all types of properties, injury to self or others, and death of self or others that may result from the use of this product by the registered owner or any other user, intentional or otherwise, of this product. Furthermore, by purchasing this product, the registered owner releases the manufacturer and any other wholesaler, retailer, or dealer of this product from all liability, whether direct or consequential, including but not limited to damages to any and all types of properties, injury to self or others, and death of self or others that may result from the use of this product by the registered owner or any other user, intentional or otherwise, of this product.

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