CGS MOD 9 SUPPRESSOR MANUAL

CGS Suppressors LLC worked for many months to design and produce one of the lightest, quietest, and most versatile 9mm handgun and pistol caliber carbine silencers currently available. This silencer has a shielded baffle stack comprised of 7075 T6 aluminum which has been Type III Hardcoat anodized to military specifications. It also features a blast baffle and piston housing assembly made of 17-4PH stainless steel. The serial number is located on the stainless steel piston housing, so in the event of a failure of the tube, where the serial number would normally be located, you won't have to wait for a new tax stamp because the serialized portion will be unaffected. This means CGS can have the silencer repaired and back to your door within just a few days.

Before using this product, please take a moment to read and understand this manual. If you have any questions, please feel free to call us at any time!

PRODUCT FEATURES

- Capable of metering 114dB in accordance with MIL-STD-1474D when mounted on a Glock G17 firing Freedom Munitions Hush 165gr 9mm ammunition.
- Utilizes second generation Orion baffles for the best sound reduction available.
- Serial number located on the stainless steel piston housing.
- Uses special cut pistons to reduce first round pop.
- Twelve points of secure piston engagement allows users to easily adjust point of impact shift on different host firearms.
- The baffles, the piston housing, and the front cap shield the tube from carbon and debris.
- Comes with a 1/2x28 TPI piston for compatibility with common hosts. Additional pistons with threads such as M13.5x1LH and 1/2x36 TPI are available for purchase.
- Easy to remove baffles allow for quick user serviceability.

PRODUCT SPECIFICATIONS

- Caliber – 9mm
- Default Piston Thread Spec – 1/2 x28 TPI
- Length – 7.7"
- Diameter – 1.375"
- Weight – 10oz

MATERIAL SPECIFICATIONS

- Tube – 7075 T6 Aluminum
- Blast Baffle – 17-4 Stainless Steel
- Baffles – 7075 T6 Aluminum
- Piston Assembly – 17-4 Stainless Steel
- Finishes – Type III Mil Spec Hardcoat Anodized Aluminum and Black Nitrided Stainless Steel

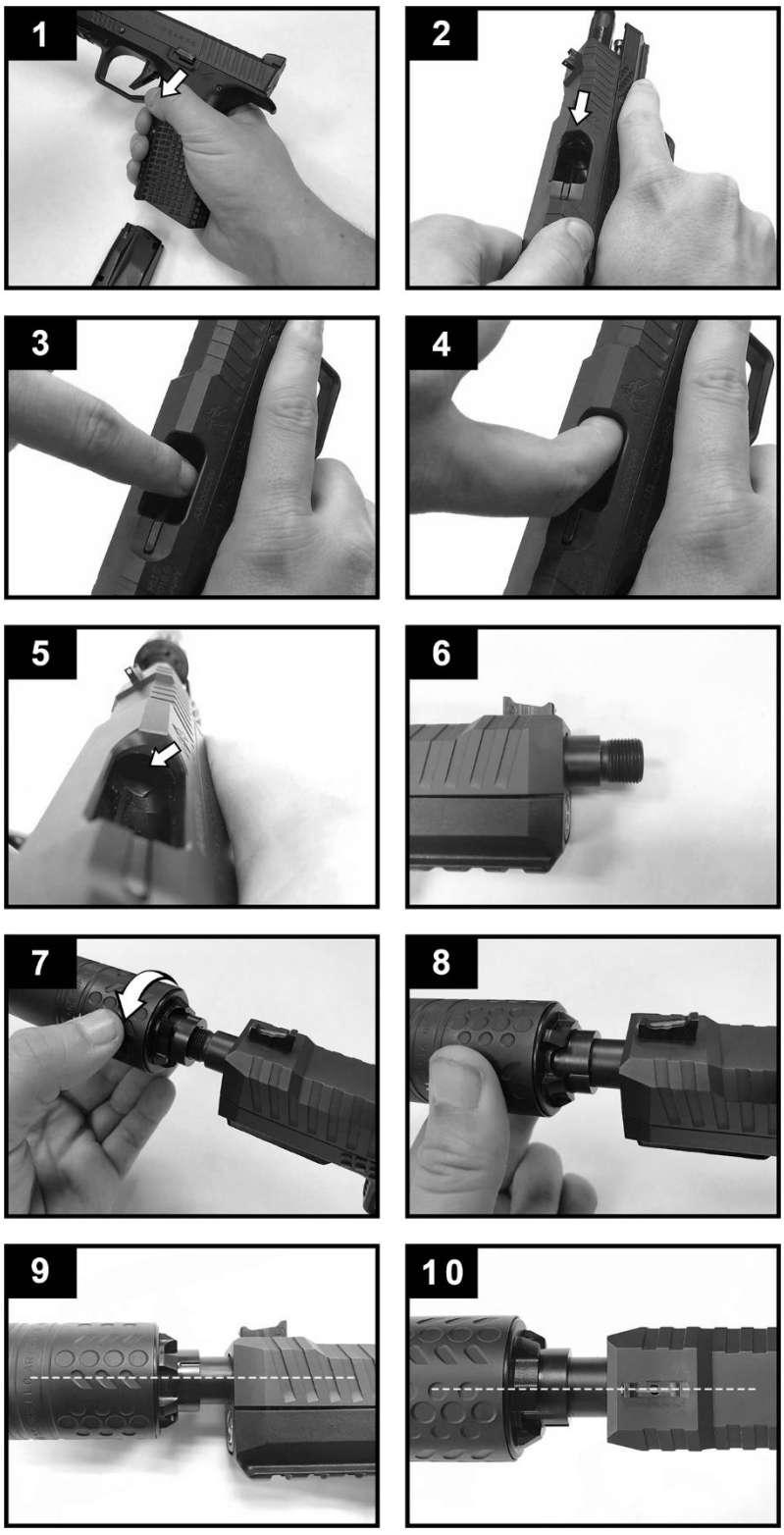
Prior to use, ensure all threaded junctions are properly shouldered against their corresponding surfaces and tightly secured. Ensure that the shaft of the piston as well as the O-ring in the rear cap are lubricated for reliable operation.

INSTALLATION

1. Remove the magazine from the firearm, then visually and manually check and clear the action and chamber of the firearm. Make sure the host firearm is unloaded at all times. (Images 1-5)
2. Check the barrel threads to ensure they are clean and free of debris. (Image 6)
3. Thread the silencer clockwise onto the barrel threads, being careful not to cross thread them. M13.5x1LH pistons need to be threaded on counterclockwise to install. (Image 7)
4. Thread the silencer on until hand tight and secure against the shoulder of the barrel. Depending on the length of the host firearm barrel threads, 1/2x28 TPI pistons will shoulder on either the shoulder behind the threads or the shoulder on the muzzle. (Image 8)
5. Visually inspect that the suppressor is mounted straight to the centerline of the bore. Ensure that it is not tilted or canted in any way, and that it is fully shouldered and secure on the barrel. (Images 9-10)

NOTE:
If the suppressor appears to be misaligned, stop the installation process and contact CGS.

Use of the suppressor if not properly mounted will cause damage to the suppressor and firearm and could cause injury to the shooter.



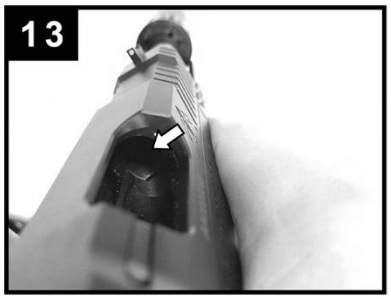
ADJUSTING POINT OF IMPACT

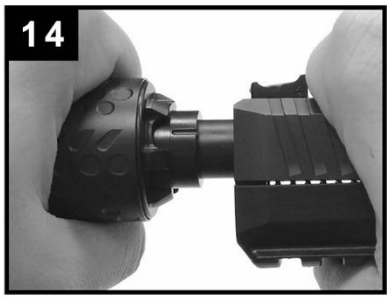
There are 12 piston engagement points for adjusting point of impact (POI) shift for various host firearms.

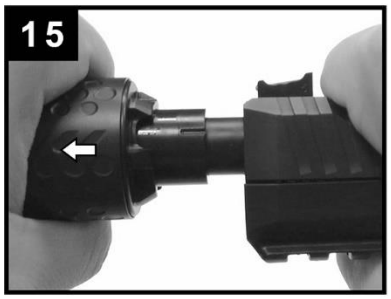
1. Make sure the firearm is unloaded before making any adjustments to the suppressor.
2. Remove the magazine from the firearm, then visually and manually check and clear the action and chamber of the firearm. (Images 11-13)
3. CAUTION! Make sure the suppressor is not hot before proceeding to next steps.
4. With the suppressor mounted on the firearm, grasp the suppressor's stainless steel piston housing in one hand while holding the firearm firmly with the other hand. (Image 14)
5. With muzzle pointed in a safe direction, pull the suppressor away from the firearm. There will be mild resistance from the piston spring and then you will be able to freely rotate the suppressor body around the piston. (Image 15)
6. Always rotate the suppressor clockwise to ensure you do not loosen any of the threads, while grasping the stainless steel piston housing. Rotate counterclockwise in the case of pistons threaded M13.5x1LH (Image 16)
7. Rotate the suppressor 30 degrees and release, you will feel the suppressor lock back into engagement with the piston. If the suppressor does not immediately lock back into position when released, continue to rotate the suppressor clockwise until it does. (Image 17)

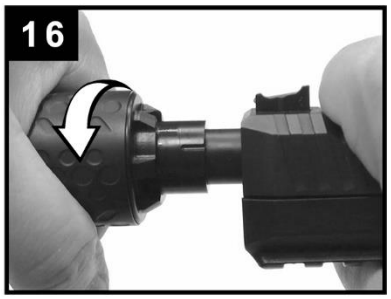
NOTE:
The amount of POI shift for each adjustment will vary depending on the ammunition and host firearm used, we recommend test firing after each adjustment.

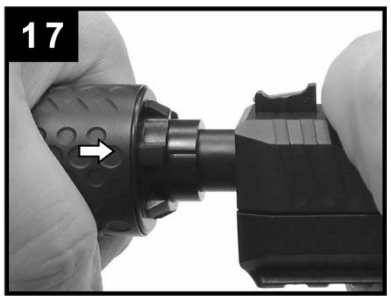
Repeat steps 1 through 7 until the desired POI is achieved.







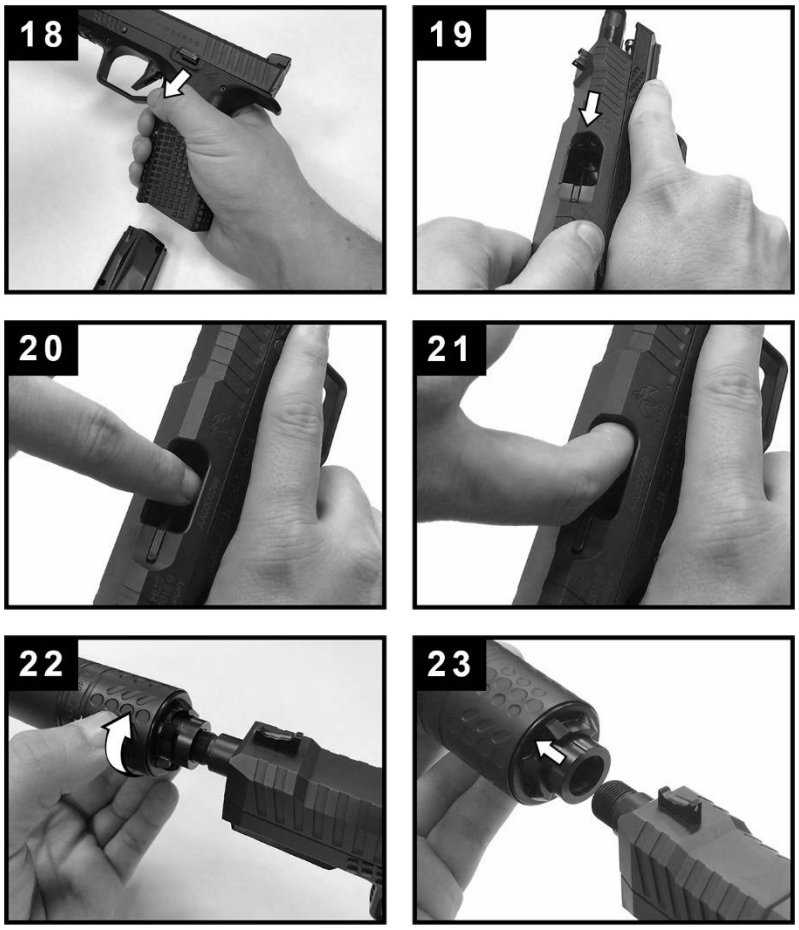




REMOVAL

CAUTION! Do not attempt to remove the suppressor if it is hot.

1. Check to make sure the firearm is safe and unloaded. (Images 18-21)
2. Rotate the suppressor counterclockwise until it has been removed from the muzzle of the weapon. Clockwise in the case of pistons threaded M13.5x1LH. (Images 22-23)



DISASSEMBLY

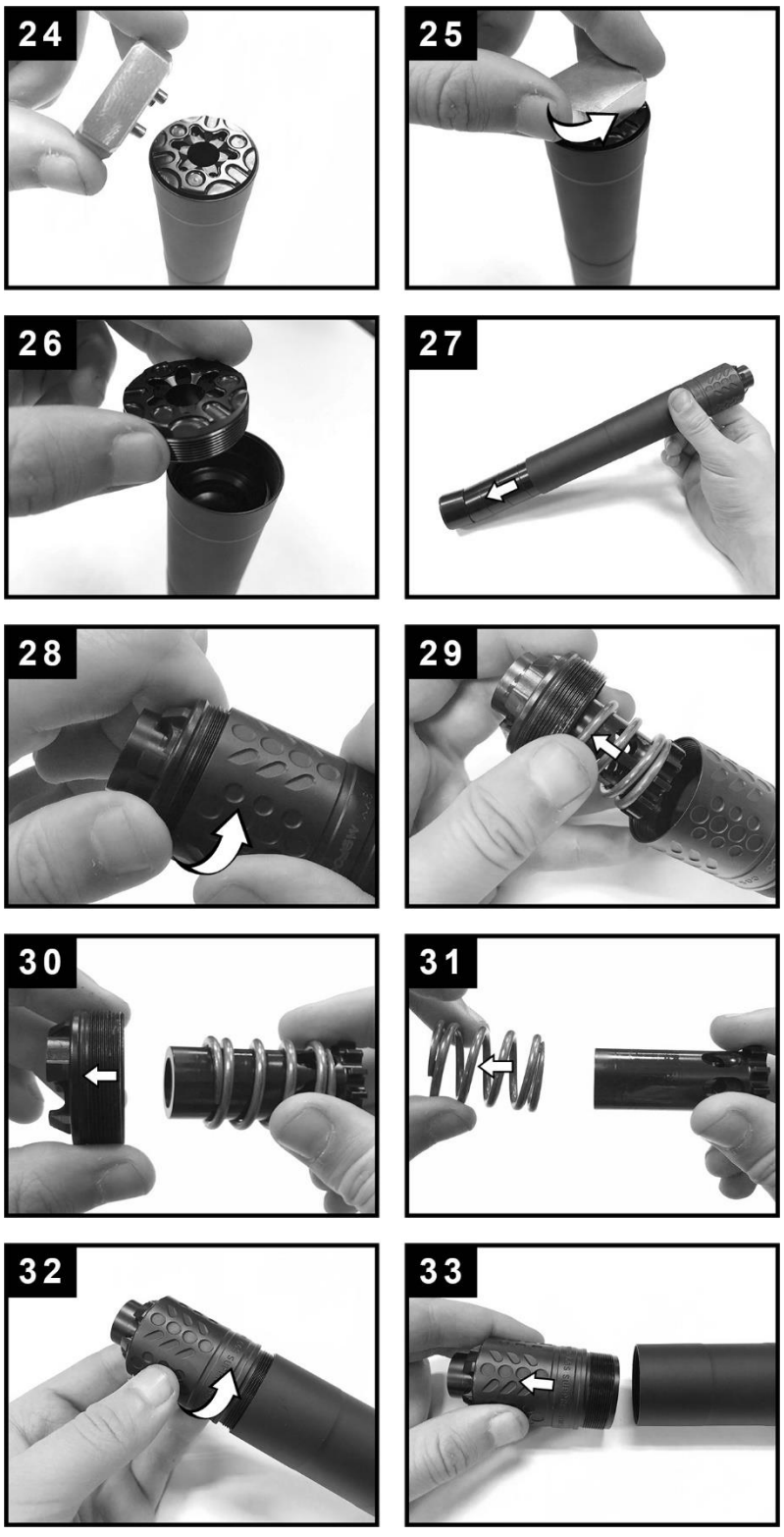
1. With the suppressor removed from the firearm and using the included tool, unscrew the front end cap and remove it from the suppressor. (Images 24-26)
2. Remove the baffle stack from the front of the tube. (Image 27)
3. Unscrew the rear end cap from the rear of the piston housing and remove piston and spring. (Images 28-29)
4. Remove the rear end cap from the piston. Because of the tight fit of these two parts, you will need to rotate and pull. (Image 30)
5. Remove spring from piston. (Image 31)
6. Unscrew the piston housing from the rear of the tube. (Images 32-33)

The suppressor is now completely disassembled and ready for cleaning.

NOTE:
Prior to cleaning rear cap with by chemical means or by using a soda blaster, remove the O-ring from the groove in the inner diameter using a dental pick and install and lubricate a new O-ring after cleaning is complete. O-rings are recommended to be replaced each time the suppressor is cleaned, or when otherwise worn.

Rear Cap O-Ring: Part # 1201T29

Prior to reassembly, ensure all joint overlapping and seating surfaces are free of debris. This will ensure a good seal.



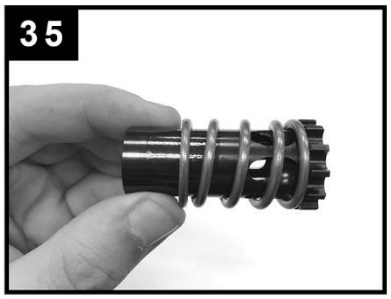
REASSEMBLY

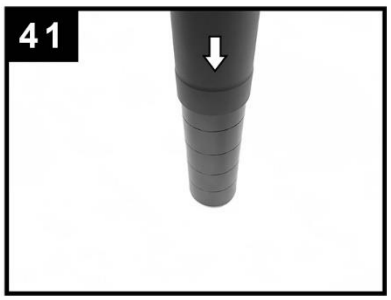
1. Screw the piston housing back into the tube. (Image 34)
2. Replace the spring on the piston. (Image 35)
3. Place the rear end cap over the piston. (Image 36)
4. Insert into the piston housing. (Image 37)
5. Screw the rear end cap on until hand tight. Note: Extra pressure is required to compress the spring and O-ring. Use caution to not over tighten. (Image 38)
6. Stack the baffles together with the cones facing upward and with the ports in the baffle cones facing toward you. Find the blast baffle, the shortest, heaviest baffle different from all the others, and stack it on top with the cone pointing upward. (Image 39-40)
7. Slide the tube over the stack of baffles and tilt sideways using your hand to ensure the baffles don't spill out. Turn the suppressor so the open end with the baffles is facing upward. (Image 40-42)

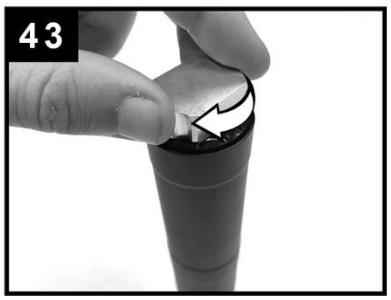
NOTE:
The six aluminum baffles are all identical and it is not critical to line up the ports in the cones, though for point of impact consistency it is recommended to align the ports in the baffle cones.

8. Carefully thread the front end cap into the tube and tighten it hand tight using the included tool. (Image 43)
9. Double check to make certain that the bore of the suppressor is not obstructed, and the tube and end caps are properly seated and correctly oriented.

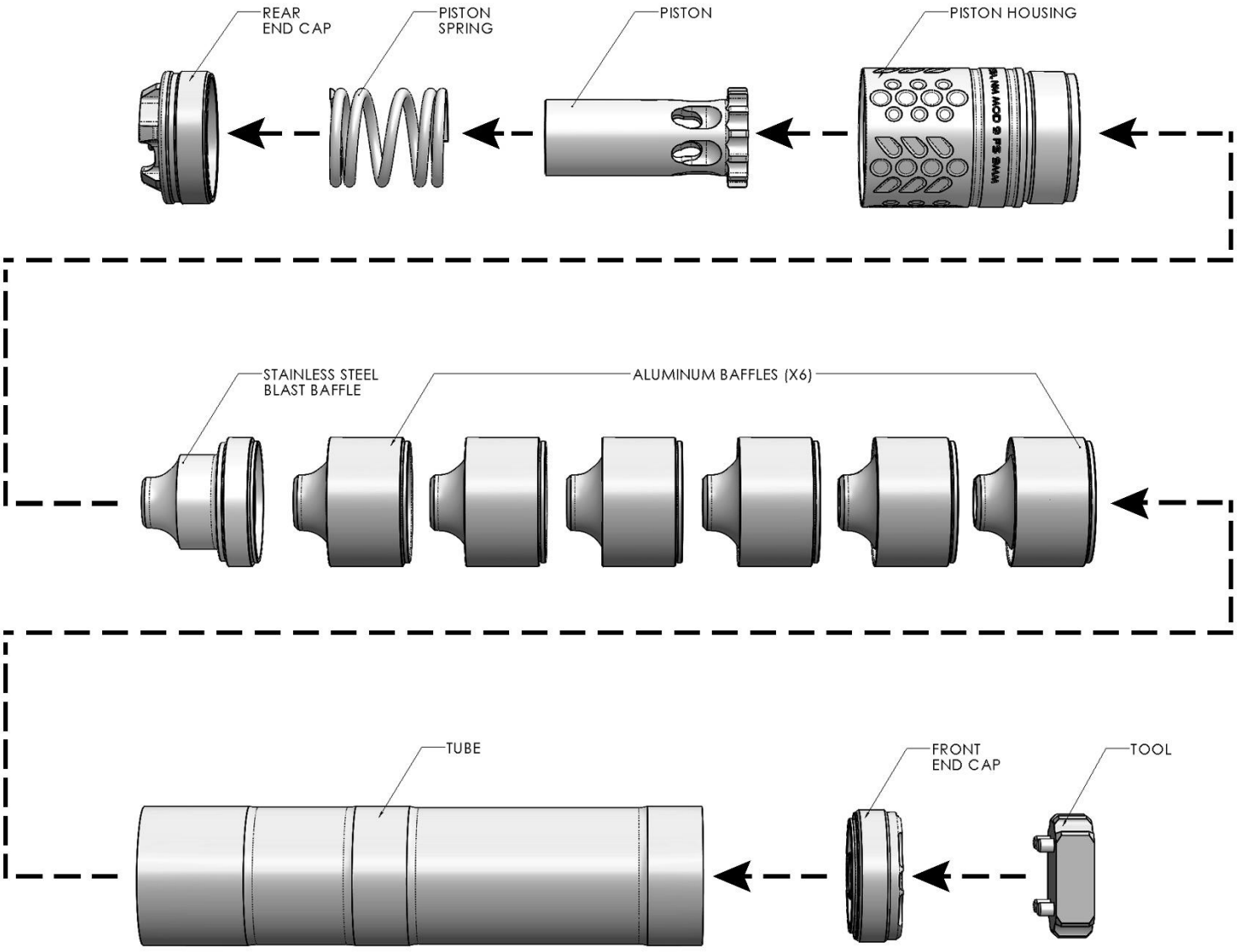
NOTE:
There should be no visible threads when the suppressor is correctly assembled.



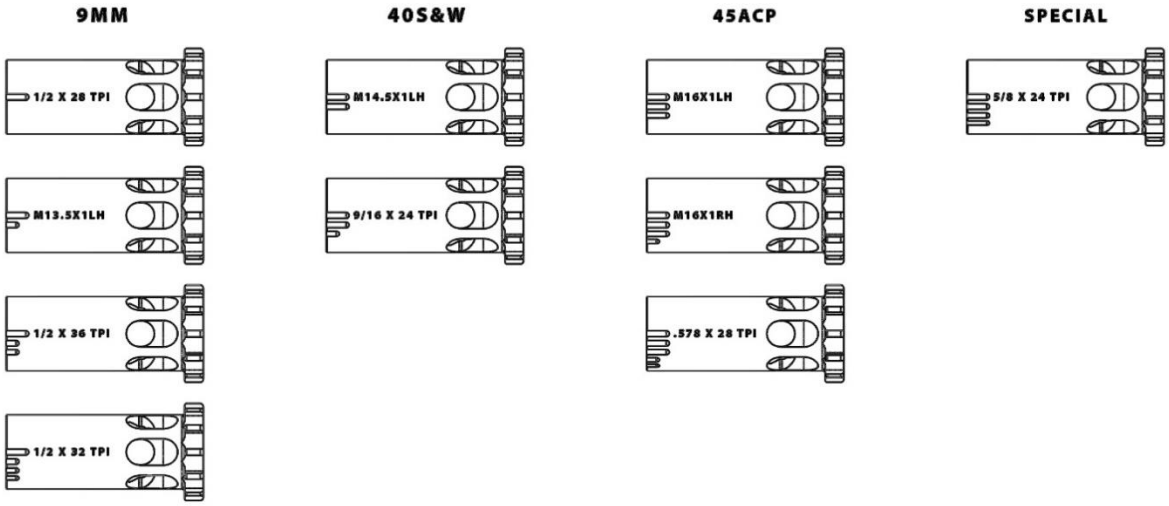




MOD 9 SUPPRESSOR PARTS DIAGRAM



CGS SUPPRESSORS LLC
MOD 9/KRAKEN/NAUTILUS PISTONS



DESCRIPTION: Pistons for the KRAKEN/NAUTILUS series silencers allow the user to attach the silencer to any firearm that has barrel threads matching the piston threads. The Kraken has 12 index points for the piston (for adjusting point of impact shift) and has special porting on the piston to help limit first round pop. The piston system on the Kraken works so that at any point in the recoil cycle, 6 of 12 spokes are always keeping the piston aligned while the other 6 are sliding over the ports in the housing. This piston system is also self aligning and the piston itself has a very positive spoke lock to the housing.

MOD 9/KRAKEN/NAUTILUS PISTON SPECS

OVERALL LENGTH
2″

WEIGHT
1.3 OUNCES (+/- .2 OZ)

DIAMETER
1″

MATERIALS
17-4PH STAINLESS STEEL (NITRIDED)
RUBBER O-RINGS (METRIC ONLY - INTERNAL)

CHAOSGEARSUPPLY
CGSGROUP
CGSGROUP.COM

MAINTENANCE

1. It is recommended that the suppressor be disassembled and cleaned at intervals of 500-1000 rounds depending on the ammunition being used.
2. With the suppressor removed from the firearm and completely disassembled, clean each component with a hydrocarbon based solvent and nylon brush and wipe dry. For easier cleaning, a soda blaster is highly recommended.
3. If you have trouble removing any part of the suppressor, soak the part in solvent to release the carbon build up.
4. Do not use a bore patch or jag to clean the suppressor.
5. After cleaning a light coat of oil should be applied the baffle stack, tube, and all threads before reassembly.

WARNINGS AND DISCLAIMERS

- Always practice the basic rules of firearms safety when using the suppressor.
- Silencers may loosen during firing. It is important that you frequently verify that your suppressor is securely tightened during use. It is recommended that you check for tightness every 30 rounds and use gloves or another barrier to ensure you are not burned.
- CGS is not responsible or liable for damages or injuries resulting from the improper use of this product; it is the user's responsibility to read and completely understand the instructions in this manual before using this product.

AMMUNITION RECOMMENDATIONS

- The MOD 9 was designed for semi auto firing of SAMMI 9mm Luger ammunition only. Contact CGS regarding other types of ammunition.
- We recommend the use of high quality factory loaded ammunition with this product for best sound performance, accuracy, and reliability.
- Suppressors are designed to attenuate the muzzle blast of a firearm, but they do not alter or suppress the sonic crack caused by supersonic projectiles as they break the sound barrier. For best sound suppression we recommend the use of subsonic ammunition. For 9mm this is commonly 147gr, 158gr, and 165gr.

WARRANTY

Subject to restrictions, CGS warrants this suppressor to be free from any manufacturing defects for life. In the unlikely event that you received a defective product, CGS will repair or replace the suppressor; it is at the discretion of CGS to determine if a particular defect or condition is covered by this warranty.

If a repair is necessary, please contact CGS at Sales@CGSGroup.com for a CGS representative to make arrangements for the proper and legal return of the product.

Please do not ship anything to CGS without first contacting CGS.

CGS Group, LLC

Customer Service

Sales@CGSGroup.com