

TM - NEXUS III™

OPERATIONAL INSTRUCTIONS FOR
SOUND SUPPRESSOR MODEL

NEXUS III™



MANUFACTURED BY

AWC SYSTEMS TECHNOLOGY

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GENERAL DESCRIPTION

The Nexus III suppressor is a muzzle mounted device designed to be compatible with most .45 caliber pistols. This suppressor, in addition to significantly reducing muzzle blast, is also effective in the elimination of muzzle flash, and felt recoil. Although the unit is designed to be fired with artificial environment to obtain the optimal suppression, it can also be fired dry. This unit does not contain any type of mesh packing or wipes. The Nexus III suppressor is constructed of corrosion resistant titanium, stainless steel, 17-4 heat treated steel & 6061T6.

IMPORTANT

It is important that the suppressor be kept tight at all times. We suggest checking for tightness after firing each full magazine or less. Improper barrel threading is the main cause of bullet strikes. The complete system is guaranteed to function accurately when an AWC suppressor tuned barrel is used. Bullet strikes inside the suppressor will not occur with AWC furnished barrels or properly threaded barrels, and the suppressor is kept tight during firing sessions.

HK USP TACTICAL PISTOL ADVISORY

These pistols utilize left hand threads on the barrel. Contrary to the so called "Experts" claims that a left hand thread will stay locked tighter than a right hand thread, you must check the suppressor to insure that it is tight on the barrel. You will notice that there is very little thread area on this barrel. This does not help in keeping a silencer tight.

BARRELS

Careful consideration must be employed when selecting a replacement threaded barrel for your pistol. You must look at the complete system as a finely tuned instrument. AWC offers match barrels threaded and specifically tuned by us for use with a silencer - cost is at present \$295.00 and available. Some fitting of non-suppressor tuned match barrels may be necessary for proper functioning. AWC can perform the fitting at a cost of \$49.00 including return shipping. Once the barrel is properly installed, the suppressor will mount on the muzzle threads of the barrel.

MOUNTING SYSTEMS

The Nexus III allows for extreme versatility utilizing the interchangeable mounts in the following configurations:

37/64x24; 37/64x28/.578x28; 16x1LH; 16x1RH; Custom

Mounting systems can be purchased and shipped directly to Nexus III operators.

AMMUNITION

We recommend factory production 230gr FMJ cartridges for use with the Nexus III. We have found the Federal Hydra-Shok® cartridge to be acceptable as well. A major Federal Tactical Unit has reported high performance using the Remington Golden Sabre cartridge. Users with requirements for other types of ammunition should submit these requirements to AWC for analysis and evaluation prior to their use.

IMPORTANT! An unidentified source at H&K USA has cautioned that only M1911 ball ammunition may be used with a silencer. We believe this is due to the recoil sensitive nature of this pistol design. We Cannot Confirm that we ever discovered a problem with other types of ammunition. We have a number of Nexus III suppressors in service on military issue Mk23 pistols and have not heard of any ammunition problems.

MAINTENANCE

When the shooter perceives that the suppressor needs to be recharged the user can do this with the medium & syringe recharge tool provided. A charge of 6-7cc can be injected into the suppressor from the front or rear. Best results are achieved when the nozzle of the syringe is introduced from the rear. After injecting the medium twist the syringe tool 360 degrees and pull out. This will assist in clearing the bore. If the suppressor is totally dry from cleaning (although this is not necessary) then inject approximately 10cc of grease. The user may also use many other types of medium such as a light oil, ultra sonic gel, and wire pulling gel.

The recoil assist mount portion is a precision device and does

have some moving parts. It is therefore, necessary to periodically clean and lubricate the internal parts. We suggest performing this after 100 rounds or if the device becomes sluggish. The service life of the spring part of this system is between 4000-5000 rounds. Due to the functionality of some firearms the spring life may diminish more rapidly. Replacement springs can be purchased directly from an authorized AWC dealer or directly from AWC.

DISASSEMBLY AND LUBRICATION OF PISTON

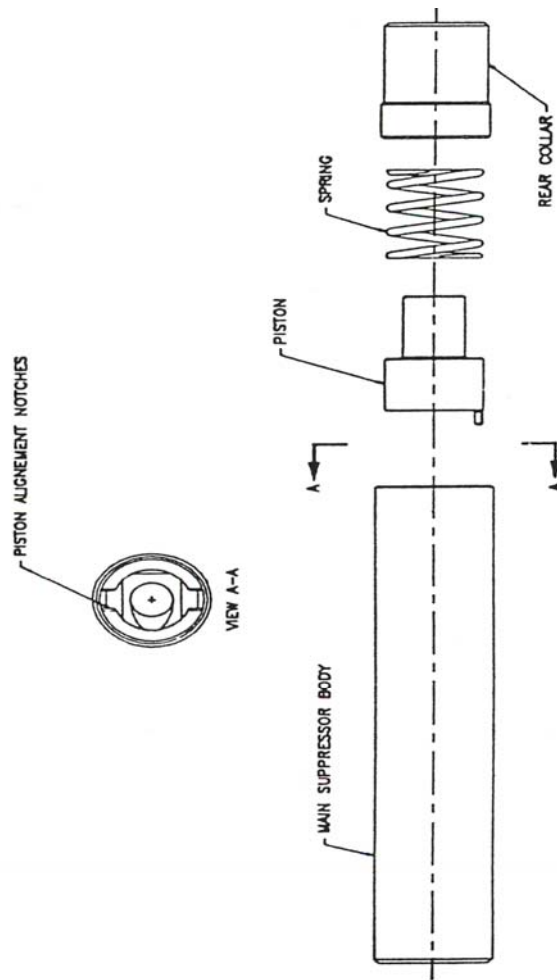
Insure that the firearm is unloaded, magazine removed, and the chamber is empty.

1. Remove the Nexus III™ suppressor from the pistol by turning the main suppressor body counter clockwise.
2. Unscrew the rear collar from the main body. This is simply accomplished by holding the main body in the weak hand and turning the collar counter clockwise with the strong hand. Once the collar has been removed, lay the main suppressor body aside.
3. Separate the collar assembly from the piston and spring. You should now be looking at 4 components: the main suppressor body, the piston, the spring and the rear collar.
4. Wipe the collar, piston and spring clean with a paper towel or cloth.
5. Smear fresh lubricant onto the piston and inside the collar. This will assure free movement of components and consequently reliable pistol operation.

RE-ASSEMBLY

1. Insert the wide end of the piston into the rear of the suppressor body. Make sure that the tangs protruding from the piston enter two of the four slots cut into the baffle retention ring.
2. Place the spring over the piston shaft.
3. Place the collar over the piston shaft. While pushing down, engage the threads and screw the collar down by hand until the threaded end of the piston is flush with or slightly extending from the rear of the collar, and the collar seats inside the main suppressor body.

Make sure the piston shaft remains centered in the collar during re-assembly and that it freely seats into chamber. Improper or incomplete re-assembly could cause damage to these components if fired.



It is recommended that the main body of the Nexus III suppressor not be cleaned. However, if the owner feels he must do something either flush with WD-40, Rem-Oil or Tri-Flow and let drain.

AWC offers a suppressor water jet cleaning tool to assist in the cleaning process which attaches directly to standard water hose spec threads. The tool is not a regulated item and can be purchased and shipped directly to a user at any address.

Users also may ship the suppressor to our plant for a complete detailed cleaning, inspection and refinish if the need ever arises.

These procedures are intended to insure a long service life of your AWC Nexus III Suppressor System.

LOCKED BREECH FIRING

EXTREME CAUTION MUST BE EXERCISED WHEN SELECTING LOCKED BREECH FIRING MODE. Do not attempt to select locked firing mode when the firearm is loaded! Make sure the magazine is removed and the chamber is clear and empty.

ONCE THE WEAPON HAS BEEN RENDERED SAFE:

- 1) Close the slide on the empty chamber and lower the hammer.
- 2) Carefully check to determine if the main suppressor body is cool enough to grasp. During prolonged firing the body can get very hot. If it is too hot to hold allow it to cool before changing the mode of fire.
- 3) While holding the weapon in the strong hand, reach forward with the weak hand and grasp the main body of the suppressor.
- 4) Pull the suppressor away from the pistol, and turn the main suppressor body clockwise (in the same direction as in tightening the suppressor to the barrel). Turn the suppressor approximately 1/4 of a turn. If the body is rotated 1/2 of a full turn it will return to semi auto mode. Be aware that as you pull the suppressor, you are compressing a spring, so some effort is required.
- 5) When the weapon is loaded and fired, the pistol will not extract or eject the fired case. The next round will have to be loaded by manually cycling the slide to eject the fired cartridge case and feed a live round from the magazine.
- 6) To return to semi auto mode, simply turn the silencer another 1/4 turn (90°). You will feel the silencer snap back into position.

Important! It is advised not to fire H&K .45 pistols in the “locked breech” firing mode. We recommend that this feature be used only in situations where it is mission essential to do so.

Not all .45 pistols will function in this mode as it was originally designed to work with the 1911A1 weapon and properly fitted barrel.

We can supply a piston, collar, spring, and barrel to make an existing Nexus suppressor compatible to any of the 1911A1 type pistols, including the Kimber and Para Ordnance version. These highly robust pistols may be used with any commercial or military .45 cartridge. These types of pistols do not require “cautious use” and may be fired in the “locked breech” mode as often as needed. Owners of the Nexus III suppressor should contact AWC Systems Technology, not the dealer, with any questions concerning this suppressor.