

TM - TITANIUM ABRAXAS™

OPERATIONAL INSTRUCTIONS FOR
SOUND SUPPRESSOR MODEL

TITANIUM ABRAXAS™



MANUFACTURED BY

AWC SYSTEMS TECHNOLOGY

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GENERAL DESCRIPTION

The AWC Titanium Abraxas™ suppressor was designed to meet specific requirements. The primary design goals are:

- 1) The suppressor should be compact and light weight - dimensions should preferably be similar in bulk to the slide assembly of the pistol
- 2) The construction should be 100% corrosion resistant & non-magnetic 6AL4V Titanium - No internal mesh packing or wipes used
- 3) Sound reduction efficiency should be significantly better than the "Hush Puppy" type suppressor
- 4) Accuracy should be considerably better than the "wiped" Hush Puppy suppressor.

The Titanium Abraxas exceeds all of these objectives. It is a highly effective 9mm pistol suppressor in a package that is smaller than most conventional .22 caliber devices.

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 threaded barrels or properly threaded barrels, and the suppressor is kept tight during firing sessions. Each AWC Titanium Abraxas™ Suppressor is precision bored in the quality control phase of manufacturing.

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 for Beretta, Browning, Glock, Sig, M&P, XD and selected others. 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.

AMMUNITION

The lowest operational sound signature will be obtained by using a subsonic cartridge. We recommend the use of 148gr JHP, 158gr FMJ and 147gr FMJ subsonic cartridges as acceptable ammunition.

SPECIAL NOTE:

If the suggestion that the 9MM subsonic cartridge is “down loaded” should come up, users should be aware that this is not an anemic load. For example the 148gr FMJ subsonic cartridge produces muzzle energy of 362 Ft. Lbs. at 1050 FPS. Comparing this to the 230gr .45 ACP at 322 Ft. Lbs. you can see that the subsonic load is a very effective cartridge.

MAINTENANCE & CLEANING

Due to the radical, non-traditional design of this unit no cleaning is necessary. Most conventional suppressors rely on mesh packing or wipes for efficiency. Every time you introduce the fresh lubricant into the AWC Titanium Abraxas™ you have essentially “rebuilt” the suppressor.

OPERATION INSTRUCTIONS

The AWC Titanium Abraxas™ suppressor is capable of extreme efficiency if the following simple operational instructions are followed. The suppressor is shipped with a charge of the Lithium base grease already applied in the first three chambers of the threaded end of the sound suppressor. This lubricant is necessary in order to obtain maximum sound reduction. (Remember, this small unit has to deal with the same cartridge that is normally suppressed by a device twice its size.) The Lithium base grease also prevents carbon from “baking” onto the internal parts. A cartridge of Lithium base grease is shipped with each AWC Titanium Abraxas™ suppressor. This grease is available commercially from hardware and automotive parts retailers or from AWC.

It is up to the individual user to determine the frequency that the suppressor should have a grease charge of lubricant. As sound levels increase grease should be added. We usually add more

grease after 1-2 magazines. Since the suppressor was designed for handgun application it was not anticipated that the user would be firing a large number of shots between convenient opportunities for adding additional lubricant. Users can easily carry the syringe supplied and follow syringe directions for recharge. Only 4cc of the grease is to be injected into the rear of the suppressor. If the suppressor is totally dry from cleaning then inject 7-8cc of grease. Best results are achieved when the nozzle of the syringe is introduced from the rear; however, you can attempt to do so from the front if it is satisfactory to you. Do not remove the black tip as it is permanently affixed. You will remove the plunger of the syringe to fill the syringe.

WARNING

DO NOT plug the bore of the suppressor with the lubricant. Push the lubricant away from the threads and into the baffle chambers if you are applying the lubricant with anything other than the recharge tool. If you are using a lubricant-loading tool it will clear the path as you withdraw the tool.

Additional suppressor syringe recharge tools are available for purchase by contacting AWC.