

# TM - JUPITER EYE™

OPERATIONAL INSTRUCTIONS FOR  
SOUND SUPPRESSOR MODEL

JUPITER EYE™



MANUFACTURED BY

**AWC SYSTEMS TECHNOLOGY**

MAILING: P.O. BOX 41938  
PHOENIX, AZ 85080-1938

SHIPPING: 1515 W. DEER VALLEY RD  
SUITE A-105  
PHOENIX, AZ 85080

TELEPHONE 623 780 1050 FACSIMILE 623 780 2967

[WWW.AWCSTECH.COM](http://WWW.AWCSTECH.COM)

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## **GENERAL DESCRIPTION**

The Jupiter Eye™ suppressor is a muzzle mounted device designed to be compatible with most 9mm, 10mm and .40 caliber pistols. This suppressor, in addition to significantly reducing muzzle blast, is also effective in the elimination of muzzle flash, and it does all of this as a dry suppressor when used in the 9mm configuration. Optimal suppression with a .40cal/10mm Jupiter Eye is achieved by introducing artificial environment. This unit does not contain any type of mesh packing or wipes. The Jupiter Eye 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.

## **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 Jupiter Eye allows for extreme versatility utilizing the interchangeable mounts in the following configurations:

1/2x28; 13.5x1LH; 1/2x28B; 14.5x1LH; 9/16x24;1/2x32; 1/2x36; Custom

Mounting systems can be purchased and shipped directly to Jupiter Eye operators.

## **AMMUNITION**

The lowest operational sound signature will be obtained by using a subsonic cartridge. We recommend the use of 148gr FMJ, 158gr FMJ & 147gr FMJ subsonic cartridges as acceptable ammunition, as these will allow the 9mm pistols to function in a reliable semi-auto mode. For .40 cal pistols we suggest using the heaviest bullet.

## **MAINTENANCE**

It is recommended that the Jupiter Eye™ body does not need any cleaning. However, if the owner feels he must do something flush with WD-40, Tri-Flow or Rem-Oil and let drain.

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.

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 Jupiter Eye Suppressor System.

## DISASSEMBLY AND LUBRICATION OF PISTON

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

1. Remove the Jupiter Eye™ 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.

