

# TRIAD TI™

OPERATIONAL INSTRUCTIONS FOR  
SOUND SUPPRESSOR MODEL

TRIAD TI™



MANUFACTURED BY

**AWC SYSTEMS TECHNOLOGY**

TELEPHONE 623 780 1050 FACSIMILE 623 780 2967

**[WWW.AWCSILENCERS.COM](http://WWW.AWCSILENCERS.COM)**

## GENERAL DESCRIPTION

The Triad Ti™ suppressor is a muzzle mounted device designed to be compatible with most 9mm, 10mm, .40 and .45 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 or .45 Triad Ti™ is achieved by introducing a wet environment. This unit does not contain any type of mesh packing or wipes. The Triad Ti™ suppressor is constructed primarily of corrosion resistant titanium, and also utilizes stainless steel, 17-4 heat treated steel & 6061T6.

## IMPORTANT

It is important that the suppressor be kept tight on the barrel 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. Bullet strikes inside the suppressor will not occur with properly threaded barrels, and if the suppressor is kept tight during firing sessions.

## HEIGHTENED SUPPRESSION—WET ENVIRONMENT

On the 10 mm, .40 and .45 suppressor, it is optional to add lithium grease to the internals. We recommend using a 2 oz./60 ml syringe with a 3-4" extension of 3/8" poly tube. Drill 1/8" alternating holes through tube approximately every inch and plug the end.



**Fill syringe with lithium grease. Use tube to coat internal bore sections of suppressor baffles. The intent is to create a better seal along the projectile path. IT IS IMPORTANT THAT YOU DO NOT BLOCK THE BORE WITH GREASE AS OVER-PRESSURE MAY OCCUR. Do not completely fill the suppressor with grease.**

## REPAIR POLICY

Should the sound suppressor require repair or modification, the owner should contact AWC Systems Technology by telephone because many problems can be handled without returning the unit. If it is determined that the suppressor should be returned to the manufacturer for repair or modification, our representatives will provide you the appropriate shipping location.

If repairs are required due to a defect in manufacturing or materials within the warranty period, there will be no charge for repairs. Otherwise, the cost may include both time and materials required.

## LIMITED WARRANTY

AWC warrants that all sound suppressors manufactured by them are free of defects in materials or workmanship for a period of one year from the date of the initial transfer from the manufacturer to first transferee. The warranty covers defects discovered during normal use of the sound suppressor and **excludes** the **exterior finish**. The company further disclaims liability for damage to internal parts caused by disintegration of partially jacketed bullets, neglect, abuse, and damage due to misalignment of the suppressor when used on a weapon other than the one to which the suppressor was fitted.

The warranty is voided if the suppressor is utilized on a caliber other than intended or if attached to an improperly threaded barrel. The warranty is also voided by unapproved modification of the suppressor.

AWC Systems Technology further denies any liability resulting from the use, abuse, or criminal misuse of this product.

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## MOUNTING SYSTEMS

The Triad Ti™ allows for extreme versatility utilizing the interchangeable mounts in the following configurations:

1/2x28; 13.5x1LH; 14.5x1LH; 9/16x24; 1/2x32; 1/2x36; 37/64x24; 37/64x28(.578); 16x1 LH or RH; Custom (addl. fee)

Mounting systems can be purchased and shipped directly to Triad Ti™ operators as they are not regulated items.

## 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 or JHP 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. For .45 Auto we recommend 200gr or 230gr FMJ or JHP

## MAINTENANCE

It is recommended that the Triad Ti™ body does not need any cleaning. However, if the owner wishes to clean the internals 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 with a heavy duty lithium grease. 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.

These procedures are intended to insure a long service life of your AWC Triad Ti™ Suppressor System.

## MAINTENANCE OF RECOIL ASSIST MOUNT (PISTON)

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

1. Remove the Triad Ti™ suppressor from the pistol.
2. Unscrew the rear collar from the main body. This is accomplished by holding the main body in the weak hand and turning the collar counter clockwise with the strong hand.
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. Standard cleaning methods and materials may be used if desired.
5. Smear fresh heavy duty lithium grease 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.

