REMOVING THE SILENCER

1. Set the host rifle on "SAFE". Remove the magazine, open the bolt, and verify the chamber is empty.
2. Depress the thumb pad on the ratchet latch (indicated by the arrow), and unscrew the silencer from the muzzle brake in the indicated direction (See Figure 2).

FIGURE 2

NOTES ON MUZZLE FLASH REDUCTION

Operational circumstances may require the complete elimination of muzzle flash. In this instance, the use of water to create an artificial environment is warranted.

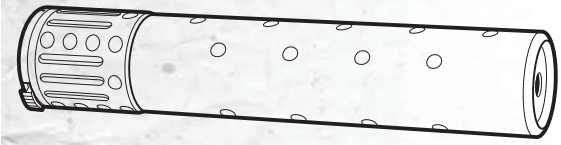
To wet the interior of the silencer:

1. Detach it from the host weapon and submerge it in water.
2. Rotate the silencer around its vertical axis to drain excess water from the interior of the silencer. *Note: If submersion in water is not possible, 5cc's (approximately 1 cap full from a water bottle) may be poured into the rear of the detached silencer.*
3. Shake the silencer several times to help distribute water within the environment cells of the silencer.

If the host weapon is not discharged after water is added, the water will remain inside the silencer for up to 36 hours, depending on the ambient temperature.

TiTAN-QD™

SILENCER TECHNICAL MANUAL



GENERAL DESCRIPTION

The TiTAN-QD™ is a light-weight, ultra-high-efficiency, fast-attach, multi-caliber silencer and flash suppressor designed for use on precision rifles chambered for the .338 Lapua Magnum, .300 Winchester Magnum, and 7.62mm Nato cartridges. Through the use of a proprietary muzzle brake, users of the TiTAN-QD™ are able to attach or detach the silencer in less than five seconds. Constructed of welded Titanium alloy, the TiTAN-QD™ will provide a lifetime of service under the most demanding conditions. Patented HYPOSONE® technology gives the TiTAN-QD™ an excellent size to performance ratio and delivers unparalleled sound, flash, and recoil reduction while maintaining pinpoint accuracy.

TECHNICAL SPECIFICATIONS

Caliber	.338 LM, .300WM, 7.62mm Nato
Silencer Construction Materials	Titanium Alloy
Compensator Construction Materials	Stainless Steel
Weight	20 ounces
Length (O.A.)	9.5 inches
Diameter	1.8 inches
Silencer Finish	Flat Black, Dark Earth, or Desert Tan
Compensator Finish	SCARmor™

⚠ WARNING

Failure to follow the instruction set forth in this manual can create a potentially dangerous situation for the operator and damage to the silencer and host firearm.

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INSTALLATION OF AAC MUZZLE BRAKE

The TiTAN-QD™ silencer couples to a proprietary muzzle brake that attaches to the existing threads on the muzzle of the host weapon. The following are instructions for installation of the AAC muzzle brake.

The AAC muzzle brake attaches to the existing muzzle threads of the host firearm. To maximize recoil reduction and minimize the disturbance of sand, dirt, and vegetation when firing prone without the silencer installed, the ports of the muzzle brake must be oriented at 9 and 3 o-clock. The ideal method of achieving this orientation is to have a depot level armorer machine a stainless steel washer of the proper thickness that allows the muzzle brake to thread on at the recommended torque so that the ports align at 9 and 3 o-clock. The following instructions will enable armorers in the field to achieve this orientation using the provided shim set.

1. Parts Required:
   (1) AAC Muzzle Brake - AAC SUPPLIED
   (1) Open end wrench (Varies)
   (1) Wrench, Torque (NSN: 5120-00-640-6364)
   (1) Adapter for Torque Wrench
   (1) Protective Vice Jaws (For host weapon receiver)
   (1) Solvent (Acetone, Lacquer or Paint Thinner)
   (1) ROCKSETT® sealant - AAC SUPPLIED
   (1) Seven Piece Shim Kit - AAC SUPPLIED
2. Remove the factory muzzle brake from the host rifle following the procedure set forth in the host rifle operators manual.
3. Clean shoulder of barrel and exposed barrel threads thoroughly with solvent. Rust, grease, oil, and other contaminates MUST be removed.
4. Thoroughly de-grease and dry the threads on the inside the AAC muzzle brake.
5. Thread the AAC muzzle brake onto the barrel threads of the rifle with 20 to 30 ft-lbs of torque. If the muzzle brake is not aligned so that the ports in the muzzle brake are aligned at 9 and 3 o-clock, install a shim or combination of shims that will allow the muzzle brake to thread onto the barrel in this orientation at the specified torque.
6. When the optimum combination of shims has been installed on the barrel of the host rifle and the muzzle brake has been test fit to the threads, remove the muzzle brake and once again de-grease the threads on the barrel and the mating threads inside the muzzle brake.
7. Install the shim or shims with the thinnest shim placed on the barrel first.
8. Apply and distribute one or two drops of ROCKSETT® to the muzzle threads of the weapon and the threads inside the muzzle brake.
9. Screw the AAC muzzle brake onto the muzzle threads and up against the washer or shim stack.
10. Set the torque wrench for a value between 20 and 30 ft-lbs. Position the torque wrench and 3/4" adapter as far to the rear of the wrench flats as possible and torque the AAC muzzle brake onto the host weapon barrel.
11. Wipe off any excess ROCKSETT® sealant. Allow sealant to cure overnight for best results.

MOUNTING THE SILENCER

1. Set the host weapon on "SAFE". Remove the magazine, open the bolt, and verify the chamber is empty.
2. Inspect the threads on the exterior of the AAC muzzle brake and interior of the TiTAN-QD™ silencer to ensure they are free from damage and/or obstructions.
3. With the muzzle pointed away from you, slide the silencer over the AAC muzzle brake until the external threads on the muzzle brake engage the internal threads of the silencer. Rotate the silencer hand-tight Counter-Clockwise 1.5-2 turns, until the 45° shoulder behind the muzzle brake threads engages a mating 45° surface within the silencer and will no longer turn (See Figure 1). Teeth on the ratchet latch will engage mating teeth on the AAC muzzle brake and prevent the silencer from inadvertently unscrewing during use.

FIGURE 1