



## Care and Use Manual Pantera Precision Rifle Silencer

TSS Two-Stage Suppression/Separation

Acadian Armament - Predator Silencers.com



MADE

### LIMITED LIFETIME WARRANTY

Acadian Armament, LLC warrants to the initial retail purchaser that products manufactured by, or at the direction of, Acadian Armament (Acadian Armament products) and purchased from authorized Acadian Armament dealers are free from defects in material and workmanship. This warranty covers, and is limited to, service, repair and/or replacement, at our sole discretion, of Acadian Armament products. This warranty is unlimited in duration for the initial retail purchaser.

This express limited lifetime warranty is the **ONLY** warranty and no other express or implied warranties are otherwise provided. **ACADIAN ARMAMENT PRODUCTS ARE SOLD "AS IS" AND HAVE NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.**

#### LIMITATIONS:

This warranty does not cover damage to firearms, devices or other products with which Acadian Armament products are used. This warranty does not cover damage to any Acadian Armament product due to normal wear and tear; careless, negligent or abusive acts, whether those acts are deliberate or accidental in nature; user's failure to follow care, use and/or safe handling instructions; unauthorized adjustments or modifications, misuse, or any illegal activity or possession; the use of reloaded, defective, inappropriate, hand loaded or non-SAAMI/NATO specification ammunition; and/or the use of any Acadian Armament product outside of the specified restrictions and limitations for that product.

#### MANUFACTURER'S DISCLAIMER:

**ACADIAN ARMAMENT ASSUMES NO RESPONSIBILITY, AND SHALL HAVE NO LIABILITY, FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. FURTHER, ACADIAN ARMAMENT ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY, PROPERTY DAMAGE, OR ECONOMIC LOSS. THIS DISCLAIMER EXTENDS TO DAMAGES RESULTING FROM ANY AND ALL ACTS IDENTIFIED IN THE "LIMITATIONS" SECTION ABOVE.**

**\*\*NOTE\*\*** This Limited Lifetime Warranty, including the Limitations and Manufacturer's Disclaimer, is subject to all applicable laws and as such may grant the purchaser additional rights as well as limit the terms of this warranty.

#### WARRANTY REPAIRS:

To initiate a repair order, the owner should first contact Acadian Armament by completing and submitting a Repair Order Form (found on our website [www.acadianarmament.com](http://www.acadianarmament.com)), as many issues can be handled without having to return a product. Repair Order Forms should be submitted to [service@acadianarmament.com](mailto:service@acadianarmament.com).

If it is determined that returning a product to Acadian Armament is required, a copy of the Repair Order Form must be included with the product along with a legible copy of the owner's approved BATFE Form 3, 4 or 5. (It is advised that the owner keep a copy of the Repair Order Form for his/her records.)

A determination as to whether a damaged product is covered by this warranty, and whether service, repair and/or replacement of a product is required, is solely at the discretion of Acadian Armament. Shipping and insurance costs to the manufacturer are the responsibility of the product owner. Should it be determined that a damaged product is covered by this warranty Acadian Armament will cover the cost of service, repair, and/or replacement as well as any reasonable shipping and insurance costs to return the product to the owner.

If for any reason a damaged product is not covered by this warranty, Acadian Armament will service, repair or replace said product for a fair and reasonable price.



**Acadian Armament**

MADE IN THE USA

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### SECTION 1 - PRECAUTIONS

**Read and understand all the following precautions before installing and using this silencer.**

**WARNING:** This silencer is intended for use on devices classified as firearms or dangerous weapons by the Bureau of Alcohol, Tobacco, Firearms and Explosives. The use of such weapons is potentially lethal!

THE USE OF THIS SILENCER (aka SUPPRESSOR or MUFFLER) MAY GIVE THE USER OR OBSERVER THE IMPRESSION OF REDUCED DANGER OR LETHALITY.

**THE USE OF THIS SILENCER DOES NOT REDUCE DANGER OR LETHALITY**

**CAUTION:** Carefully read this Care and Use manual which gives basic instruction on the proper installation, use and maintenance of this silencer. It is the user's responsibility to become familiar with the proper use, handling and function of this silencer and the weapon upon which it is installed PRIOR TO USE.

**CONDITION:** This silencer was carefully inspected before packaging. Acadian Armament cannot control handling after it leaves the factory so examine the silencer carefully at the time of purchase and before use. Your dealer will be pleased to assist you in making this examination at the time of purchase.

### SECTION 2 – GETTING TO KNOW YOUR SILENCER

Pantera is configured with caliber-specific components sized to improve bullet flight characteristics.

Model	Design Caliber	Mount	Weight	Dim.
Pantera	6mm (243 caliber) 6.5mm (270 caliber) 30 caliber	Direct thread 1/2"-28 tpi 5/8"-24 tpi	13.2 ounces	7.1" L x 1.5" Ø

Pantera is a Two-Stage Suppression (TSS™) Silencer.

**TSS™ SILENCERS ARE DESIGNED FOR SEMI-AUTOMATIC AND BOLT ACTION RATES OF FIRE (ROF).**

#### CONTACT INFORMATION

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## Pantera with TSS™ Two-Stage Suppression

The Two-Stage Suppression (TSS™) design considers shot consistency and bullet stability as the primary performance objectives. The TSS™ method separates the tasks of blast suppression and separating muzzle gases from the bullet as substantially separate events. The first stage of suppression contains the muzzle blast and the second stage prevents expanding muzzle gases from advancing with the bullet. This method results in significant reductions of yaw and drag on the bullet, improved recoil management and weapon control.

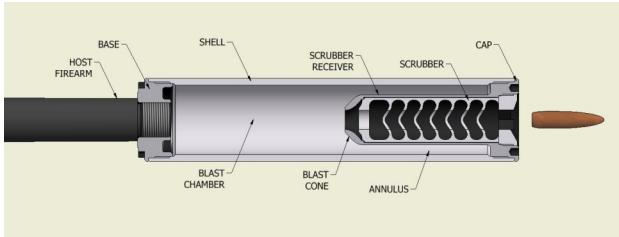


Figure 1: Pantera Components and Features



Figure 2: Pantera Disassembled

**Device Function:** The unique design of TSS™ silencers provide unsurpassed ballistic stability and accuracy by managing the forces about the bullet while suppressing the muzzle blast. The bullet is quickly isolated from the muzzle blast in the first stage where solid propellant is captured and prevented from leaving the suppressor unburned. In the second stage, muzzle gases expanding from the bullet are prevented from advancing with the bullet as those gases become turbulent. The bullet leaves the device substantially free of muzzle gases.

**Cleaning:** All silencer/suppressor devices capture solid material from the muzzle blast. Accumulated deposits within those devices will affect the harmonics of the assembly and can affect performance, point of impact, etc.

TSS™ are designed to be completely disassembled for cleaning. Most deposits can be cleaned using conventional solvents and detergents. Cleaning frequency depends on use and conditions. Do not use acid-based cleaners on the aluminum Shell or Scrubber. Prolong soaking in acid-based cleaners can damage the SBN®-/QPQ® surface treatment of the steel components.

## SECTION 3 – INSTALLING YOUR SILENCER

Inspect the silencer to ensure there is no obstruction or debris. If an obstruction or debris is found, disassemble the silencer as necessary and clear before proceeding.

**NEVER ATTEMPT TO INSTALL, REMOVE OR MAINTAIN A SILENCER ON A LOADED FIREARM.** Always ensure the weapon is unloaded and safe before proceeding.

Pantera has stainless steel base threads which attach directly to the firearm muzzle thread. If the muzzle thread is also stainless steel, apply anti-seize compound to prevent metal-to-metal galling.

**Direct Mount** silencers are preferred when simplicity and accuracy are significant considerations. Pantera mounts directly to the host weapon via the thread on the host barrel muzzle and are designed to be used without the crush washer in place.

**STEP 1:** Remove the thread protector or flash hider and crush washer from the barrel of the host weapon.

**NEVER USE A CRUSH WASHER WITH A PANTERA**



Figure 3: Flash Hider and Crush Washer

**STEP 2:** Thread the base onto the barrel. Pantera is designed for use without a crush washer and must be threaded completely to the shoulder on the muzzle thread.

Tighten to approximately 10-15 ft-lbs. Ensure there is no gap between the shoulder and base.

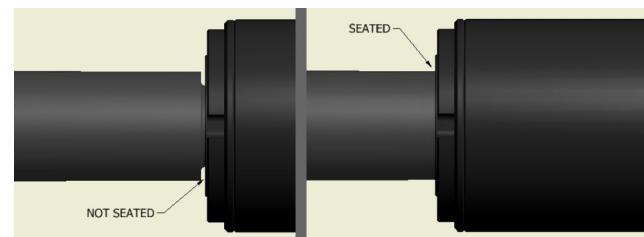


Figure 4: Seating the base to the muzzle thread shoulder.

**Inspect the silencer seating during use to ensure proper seating. Repeated firing may cause the connection to loosen.**

**WARNING: SILENCERS CAN BECOME VERY HOT DURING USE.**

## SECTION 4 – DISASSEMBLING & ASSEMBLING

Pantera is designed to be completely disassembled for cleaning, inspection, maintenance and repair. (Fig 2)

The cap and base of your Pantera can be removed with a 3mm pin spanner wrench. Holes in the face of the base allow use of the spanner wrench to remove the silencer from the weapon. An AR castle-nut wrench will fit the notches of the base for installation, removal or disassembly.

**NOTE: The Base and Cap can become difficult to remove after prolonged use. Please consult your Dealer or AcadianArma-ment.com for service tips.**



Figure 5: Using a hex wrench to remove the Scrubber

Remove the Scrubber using a hex wrench (9mm wrench for 30-cal; 8mm wrench for 6.5mm, 7mm wrench for 6mm) in the hex broach.

**WARNING: Firing the weapon with the hex wrench in place WILL cause a catastrophic and dangerous failure.**

**It is a BEST PRACTICE to remove the silencer from the host weapon before removing the scrubber.**

**It is a BEST PRACTICE to never leave the wrench unattended in the scrubber for any reason.**

To assemble your Pantera, simply reverse the disassembly procedure. Use approximately 10-15 ft-lbs of torque when assembling the base and cap to the shell.

**Apply anti-seize or a silicon/PTFE compound to threads before reassembly. When cleaning with water and/or detergents, allow to dry thoroughly before reassembly.**

Once installed, the Pantera becomes a component of the host weapon. When the barrel and suppressor are warm, re-torque the suppressor to the muzzle. Check periodically to assure the suppressor remains tight on the muzzle thread and that the components have not loosened. Allow to cool before attempting to remove or disassemble.

**CAUTION: Ensure the host weapon is unloaded and made safe before attempting to service, install or remove any silencer.**