

# CAT CACM Suppressed Rifle System

## Owner's Manual



<https://specterscat.com/product/cacm-556/>



---

## Table of Contents

1. SAFETY WARNINGS & LEGAL NOTICE
  2. INCLUDED COMPONENTS
  3. SYSTEM OVERVIEW & CONTROLS
  4. SAFETY AND HANDLING BASICS
  5. LOADING & UNLOADING THE FIREARM
  6. ATTACHING & REMOVING THE SUPPRESSOR
  7. OPERATION & FUNCTION CHECKS
  8. MAINTENANCE & CLEANING
  9. STORAGE, TRANSPORT & TRAVEL
  10. TROUBLESHOOTING
  11. TECHNICAL SPECIFICATIONS
  12. WARRANTY & CONTACT INFORMATION
-

## 1. SAFETY WARNINGS & LEGAL NOTICE

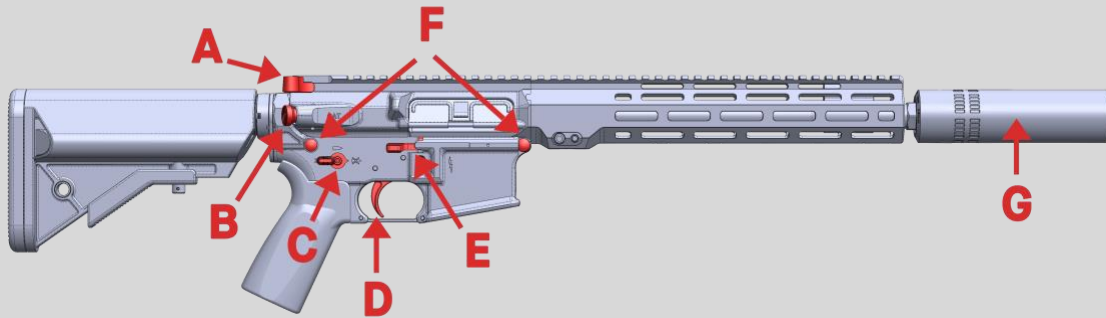
- **TREAT EVERY FIREARM AS LOADED** – even if you are certain it is unloaded.
- **MUZZLE CONTROL** – always keep the muzzle pointed in a safe direction, including during cleaning or transport.
- **TRIGGER DISCIPLINE** – keep your finger off the trigger until ready to fire.
- **TARGET AWARENESS** – be certain of your target, surroundings, and what lies beyond.
- **AMMUNITION** – use only manufacturer-recommended ammunition; improper ammo can cause injury or damage.
- **LEGAL COMPLIANCE** – follow all federal, state, and local laws regarding possession, transport, and use.
- **MODIFICATION** – do not modify the suppressor, barrel, or mounting hardware outside of CAT specifications.
- **INSPECTION** – routinely inspect your firearm and suppressor for damage, obstructions, or wear before each use.
- **PROTECTIVE EQUIPMENT** – always wear eye and ear protection while shooting.

## 2. INCLUDED COMPONENTS

The CACM Suppressed Rifle System includes:

- **CACM 5.56 Rifle Assembly** – fully assembled upper and lower receivers.
- **CACM Suppressor** – engineered for maximum sound reduction and tuned along with the rifle gas system for optimal performance on M193 (55gr 5.56x45mm ammo).
- **AI Nano Muzzle Device** – ensures positive engagement and precise alignment between the rifle and suppressor for safe operation.
- **Sentry Manufacturing Charging Handle** – configured for lockout mode. Push button on the rear of the handle to free the release levers. **Roll pin included** to lock out the push button.
- **Swag** – Large T-Shirt (if you don't wear a large, this is a cleaning rag, not a t-shirt) and stickers.
- **Chamber Lock** – Lock bolt to the rear and route the cable lock through the ejection port and down/out the bottom of the magazine well. Don't lose the key.

### 3. SYSTEM OVERVIEW & CONTROLS



#### Primary controls and components:

- **(A) Sentry Charging Handle** – used to chamber a round, clear a malfunction, or check the firearm.
- **(B) Forward assist** – helps fully seat the bolt if it fails to close completely.
- **(C) Safety Selector** – rotates between SAFE and FIRE; always engage SAFE when not actively firing.
- **(D) Trigger** – If you know, you know.
- **(E) Ambi Bolt catch / release** – holds or releases the bolt from both left and right side. Left side functions as any AR-15 bolt catch. Right side functions up to lock, down to release.
- **(F) Takedown Pins** – Used to disassemble upper from lower receiver.
- **(G) CACM Suppressor** – Serial matched and tuned to your rifle.
- **Magazine catch / release** – secures the magazine; allows quick magazine changes.
- **Ejection port & cover** – protects internal components; ensures proper ejection of spent casings.

### 4. SAFETY AND HANDLING BASICS

- Always confirm the firearm is unloaded before handling, cleaning, or storing.
- Wear eye and ear protection at all times during operation.
- Inspect the suppressor and muzzle device threads for cleanliness and integrity prior to installation.
- Install and remove the suppressor according to Section 6 instructions.
- Never look directly into the muzzle or suppressor.
- Cease fire immediately if you notice abnormal sounds, excessive backpressure, or unusual performance.
- Keep children and unauthorized users away from firearms.

## 5. LOADING & UNLOADING THE FIREARM

### Loading:

1. Ensure the firearm is pointed in a safe direction.
2. Engage the **safety selector** to SAFE.
3. Insert a loaded magazine into the magazine well until it clicks securely.
4. Pull the **charging handle** fully rearward and release to chamber a round.
5. Visually and physically inspect the chamber to ensure the round is seated properly.
6. Keep the firearm on SAFE until you are ready to fire.

### Unloading:

1. Ensure the firearm is pointed in a safe direction.
2. Engage the **safety selector** to SAFE.
3. Remove the magazine by pressing the **magazine release**.
4. Pull the **charging handle** fully rearward and lock the bolt open using the **bolt catch**.
5. Visually and physically inspect the chamber and magazine well to confirm it is empty.
6. Release the bolt forward only after confirming the chamber is empty.

## 6. ATTACHING & REMOVING THE SUPPRESSOR

### Attaching the suppressor:

1. Ensure the firearm is unloaded, lock bolt to the rear and the engage safety.
2. Inspect threads on both the muzzle device and suppressor for carbon build up, debris or damage.
3. Hand-thread the suppressor onto the barrel adapter counter-clockwise (“lefty tighty”); do not force it.
4. Ensure suppressor is seated properly and hand-tighten like you mean it.

### Removing the suppressor:

1. Confirm firearm is unloaded, safety is engaged and bolt is locked to the rear.
2. Allow suppressor to cool if recently fired.
3. Remove the suppressor by rotating clockwise (“righty loosey”).
4. While suppressor is removed, take time to clean threads and tapered mounting surface.

## 7. OPERATION & FUNCTION CHECKS

- Perform unloaded safety function checks before firing.
- Observe for unusual sounds or backpressure; stop immediately if observed.
- Verify proper cycling and ejection of rounds.
- Test the **safety selector**, **bolt catch**, and **magazine catch** during initial operation.

## 8. MAINTENANCE & CLEANING

- Inspect and clean the CACM System after each range session... or run it dirty.
- The suppressor can be cleaned using CAT206 per the CAT206 instructions.
- Remove carbon, debris, and fouling using nylon or brass brushes and solvents designed for firearms.
- Inspect suppressor threads, tapered surface, blast chamber, endcaps, and exit apertures for wear or damage.
- Apply lubrication to the bolt carrier group and barrel extension. Then wipe off the lubrication you applied. A little goes a long way and prevents carbon and dirt build up.
- Your barrel does not require a “break in procedure” but if you are so inclined, we won’t stop you. Cleaning the copper fouling out of your barrel after the first 20-50 rounds is an adequate break in if it makes you nervous to not do something!
- Verify all parts are properly reassembled before next use.

## 9. STORAGE, TRANSPORT & TRAVEL

- Store firearms and suppressors securely in a locked cabinet or safe.
- Follow all federal, state, and airline regulations when storing and transporting.
- Keep NFA paperwork (Form 4 for SBR and Suppressor) accessible and secure.
- Use hard-sided, locked cases for transport.
- Allow suppressor to cool before storing it.

## 10. TROUBLESHOOTING

- **Difficult suppressor removal:** First, remember that the suppressor unscrews in a clockwise (righty loosey) direction. If you’re twisting the correct way and still having trouble, allow to cool and apply a strap wrench and/or mild penetrating lubricant. Clean penetrating lubricant thoroughly before firing again.
- **Accuracy decrease or POI shift:** Ensure proper mounting of suppressor.
- **Failure to feed / eject:** Inspect magazine, chamber, and bolt function. Clean and lube.

## 11. TECHNICAL SPECIFICATIONS

- **Caliber:** 5.56MM
- **Collapsed Length:** 28"
- **Extended Length:** 31"
- **Weight:** 5.2 lbs
- **Color:** MIL Gray (Custom Cerakote)
- **Lower/Upper Receiver:** Custom Forged 7075
- **Rail:** 11.2" TSF Combat Gen 4 7075
- **Internal Coating:** Special Projects
- **Bolt Carrier Group:** AI SMU (Chrome)
- **Bolt:** AI SMU Dual Ejector (Chrome)
- **Barrel:** 12" TSF Precision Fluted 1:8
- **Gas System:** Mid Length
- **Optimized Round:** 193 FED
- **Charging Handle:** Deadlock CQB
- **Muzzle Device:** AI Nano
- **Trigger:** 2 Stage Geissele / SS Springs
- **Safety:** Hybrid Selector Ambi
- **Bolt Release:** Combat Ambi
- **Mag Release:** Milspec Ambi
- **Lower Parts Kit:** Milspec
- **Ejection Cover:** Magpul Enhanced
- **Titanium Parts:** Lock Plate & Castle Nut / Takedown Pins / Hammer Pin
- **Buffer Assembly:** JP Silent H2
- **Buffer Tube:** 7075 Dry Film
- **Stock:** B5 Bravo
- **Grip:** B5 23 P-Grip
- **Suppressor:** CACM 556

## 12. WARRANTY & CONTACT INFORMATION

- **Limited Warranty:** CAT Suppressors warrants products to be free from defects in materials and workmanship under normal use. Proof of purchase (Form 4s) required.
- **Service / Support:** [warranty@specterscat.com](mailto:warranty@specterscat.com)
  - Include serial number, photos, proof of purchase (Form 4s), and description of the issue.