



SP10-M MANUAL
Rifle | Semi-Automatic





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READ AND UNDERSTAND THIS MANUAL PRIOR TO OPERATING THE FIREARM.

CAUTION:

This is a rifle. If carelessly or improperly handled, negligent discharges can occur potentially causing injury, death, or damage to property.

NOTICE:

Seekins Precision, LLC shall not be responsible for injury, death or damage from intentional or negligent discharge of this firearm when used for any purposes or when employed in a manner other than designed.

Careless or improper handling, unauthorized adjustment or parts replacement, neglect, poor storage and the use of the wrong ammunition other than recommended in this manual will void any warranty extended by Seekins Precision.

Some firearms require a suppressor to be installed prior to firing. These firearms are shipped without a suppressor and with the hand-guard extending past the end of the barrel. Do not fire without the use of a suppressor, muzzle blast can severely damage anything in the blast area.

Rules of Gun Safety

1. Treat every firearm as if it were loaded.
2. Never point your firearm at anything other than your target.
3. Protect your vision and hearing by using eye and ear protection when shooting.
4. Keep your trigger finger off the trigger and out of the trigger guard until you intend to fire, and keep the safety on until you intend to fire.
5. Be sure of your target and what lies beyond it.
6. Keep all firearms properly stored out of the reach of children.
7. Do not operate a firearm while under the influence drugs or alcohol.



SP10-M SPECIFICATIONS

Receivers: iRMT-3 Billet Upper & Lower Receivers

Barrel Specs: 16" 1x10 5R 416S Match Stainless Barrel - ArmorBlak Finish

Overall Length: 37"

Handguard 13" SP3R Handguard

Attachment Options: Picatinny Rail at the 12 o'clock position
MLOK attachment points at 3, 6, and 9 o'clock

Trigger: Timney Targa AR Trigger

Buttstock: Magpul PRS

Pistol Grip: Magpul MOE+

Additional Features: Ambidextrous Bolt Catch and Release,
Magazine Release, and Safety Selector

Operating System: Direct Gas with Suppressor Gas Block

Weight: 10 lbs

Colors: FDE or Black

Magazine Capacity: 10 round Magpul Magazines (2 magazines included)

Muzzle Device

Accessories Included: Operators Manual

SP10-M (RIGHT SIDE)



- A** Butt Stock
- B** Buffer Tube
- C** Take Down Pin
- D** Ambi Safety Selector
- E** Charging Handle
- F** Bolt Catch and Release

- G** Trigger
- H** Trigger Guard
- I** Magwell
- J** Magazine Release
- K** Pivot Pin
- L** Ejection Port

- M** Gas Tube
- N** Handguard
- O** Adjustable Gas Block
- P** Barrel
- Q** Muzzle Device

SP10-M (LEFT SIDE)



- A** Butt Stock
- B** Buffer Tube
- C** Take Down Pin
- D** Ambi Safety Selector
- E** Charging Handle
- F** Bolt Catch and Release

- G** Trigger
- H** Trigger Guard
- I** Magwell
- J** Pivot Pin
- K** Gas Tube
- L** Handguard

- M** Adjustable Gas Block
- N** Barrel
- O** Muzzle Device

WEAPON FEATURES

The Seekins Precision SP10-M Rifle is similar to the standard M4/M4A1 weapon systems. Upgraded features on the SP10-M include the following:

Billet Lower Receiver: The Billet Lower Receiver features an oversized winter trigger guard, quick-access magazine release, and a beveled magazine well. Screw-in pins instead of roll-pins are utilized for precise, non-marring assembly. It also contains the following enhancements:

Ambidextrous Safety Selector Lever: The SP10-M Rifle has an ambidextrous safety selector located on both sides of the lower receiver. The selector lever functions as the manual safety of the firearm. The receiver is marked with pictograms: SAFE and SEMI-AUTOMATIC modes.

Trigger: The SP10-M Rifle is equipped with a CMC Single Stage 3.5lbs non-adjustable trigger system.

Enhanced Bolt Catch: We have equipped the SP10-M rifle with an enhanced bolt catch with a larger paddle to facilitate easier operation with wet conditions or when wearing gloves.

Ambidextrous Bolt Release and Catch: The SP10-M is equipped with an ambidextrous bolt release located below the ejection port cover on the right side of the weapon. Individuals can either lock back or release the bolt forward with the firing hand without removing the non-firing hand from the handguard assembly.

Ambidextrous Magazine Release: The SP10-M rifle has a traditional magazine release button located on the right side of the Lower Receiver. In addition, we have an Ambidextrous Magazine Release located on the catch assembly on the left side of the Lower Receiver.

Billet Upper Receiver with SP3R Handguard

The Seekins Precision iRMT-3 Upper Receiver integrates the rail mounting points into the upper, retaining the stiffness of a true monolithic upper. Our 15" SP3R handguard attaches to this upper receiver and provides a top Picatinny Rail in addition to MLOK mounting points at the 3, 6 and 9 o'clock positions of the handguard. This handguard assembly provides a solid firing platform for improvised shooting surfaces and can lock easily into positions such as windows and firing ports.

DISASSEMBLY & REASSEMBLY

The SP10-M Rifle can be disassembled using the same steps required for the standard M4/M4A1 weapons.

Note: Below are the basic steps for disassembly of the SP10-M Rifle. Due to their similarity, additional information on disassembly of the M4/M4A1 platform can be found in USMC TM 05538/10012-IN or Army TM 9-1005-319-23&P..

DISASSEMBLY

- Remove the magazine and clear the weapon
- Push the rear Takedown Pin to the right and open the receivers
- Remove the Bolt Carrier Group and Charging Handle from the Upper Receiver
- Push the front Pivot Pin to the right and separate the receivers completely
- Depress the Buffer Retainer and remove the Buffer and Action Spring
- Disassemble Bolt Carrier Group:
 - Removing the Firing Pin Retaining Pin
 - Slide Firing Pin from back of Bolt Carrier
 - Ensure that you do not lose the Firing Pin Spring
 - Remove the Cam Pin
 - Remove the Bolt from the front of the Bolt Carrier
 - Remove the Extractor Retaining Pin and the Extractor

REASSEMBLY

Inspect all parts for damage or excessive wear. Replace as needed.

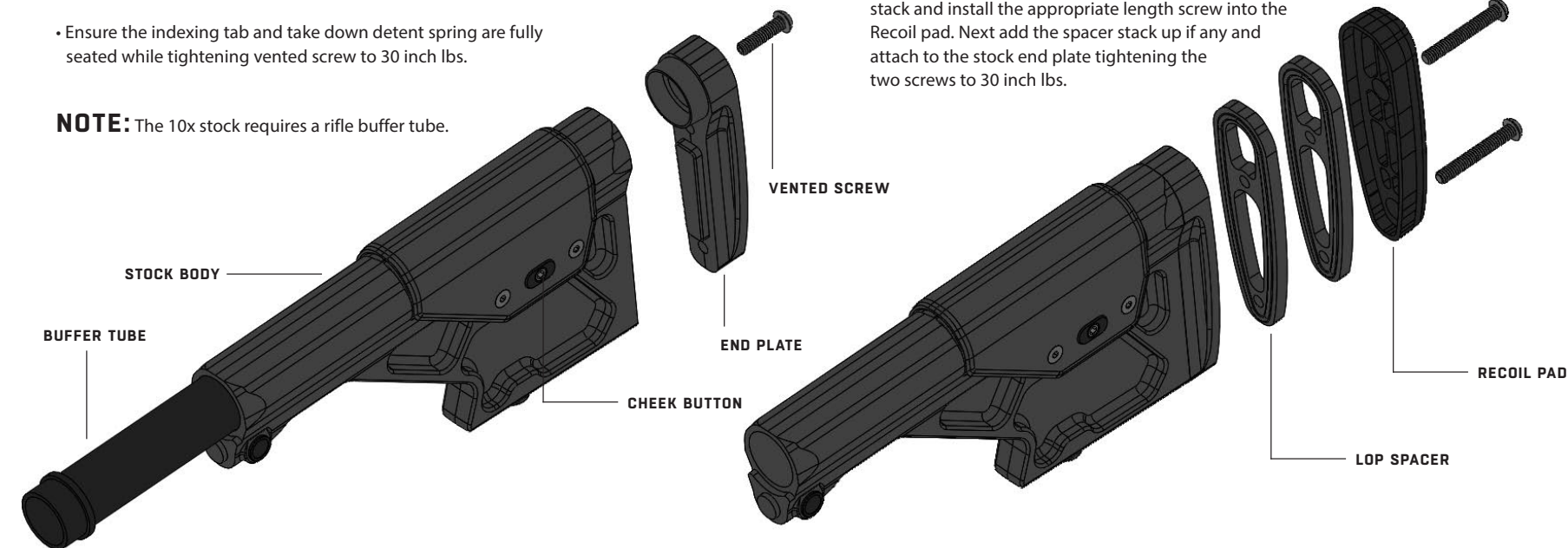
- Reassemble the Bolt Carrier Group:
 - Install the Extractor and insert the Extractor Retaining Pin
 - Slide Bolt into the Bolt Carrier Group ensuring Extractor is on the right
 - Insert the Cam Pin
 - Ensure that the Firing Pin Spring is properly installed
 - Insert the Firing Pin and fully seat into the back of the Bolt
 - Insert the Firing Pin Retaining Pin
- Install the Buffer Spring and Buffer into the Receiver Extension
- Insert the Charging Handle and Bolt Carrier Group into Upper Receiver.
- Install the Buffer Spring and Buffer into the Receiver Extension.

PROCOMP 10X ASSEMBLY

STEP 1

- Slide stock body over rifle buffer tube.
- Install End Plate onto the rear of the Stock Body and attach with Vented Screw.
- Ensure the indexing tab and take down detent spring are fully seated while tightening vented screw to 30 inch lbs.

NOTE: The 10x stock requires a rifle buffer tube.



ADJUSTING COMB HEIGHT

Comb height is adjusted by depressing the Cheek Button. Press and hold in while adjusting to the desired height. Once a position is chosen, tighten the button screw to solidly lock the cheek piece in position.

PLEASE NOTE: Without a buffer tube installed the cheek piece can easily be removed. To re-install depress the button and slide the cheek piece back onto the stock pillars.

STEP 2

Your 10x stock comes with a spacer system for adjusting the length of pull (LOP). The spacers are installed between the End Plate and Recoil Pad using the proper length screw. Select the desired spacer stack and install the appropriate length screw into the Recoil pad. Next add the spacer stack up if any and attach to the stock end plate tightening the two screws to 30 inch lbs.

ADJUSTING THE LENGTH OF PULL (LOP)

LOP is adjusted in 1/4" increments by adding or removing the supplied spacers underneath the recoil pad. Three sets of LOP screws are included in the kit depending on the spacer stack up.

Zero LOP spacers installed = Short screw set
One LOP spacers installed = Medium screw set
Two LOP spacers installed = Long screw set



Figure 1
Unsuppressed Gas Position



Figure 2
Suppressed Gas Position

SUPPRESSOR GAS BLOCK

The Suppressor Gas Block is designed and intended for weapons that are primarily fired with sound suppressors installed. The fully adjustable gas block allows the individual shooter to reliably switch from suppressed to non-suppressed fire by increasing the gas volume used in the gas system. Once properly adjusted, this is a two position gas block; unsuppressed (see Figure 1) and suppressed (see Figure 2). The positioning of the suppressor gas block varies by model. Some caliber's have the suppressor outside of the handguard while others have it beneath the handguard (see Figures 3 and 4).



Figure 3



Figure 4

TUNING THE SUPPRESSOR GAS BLOCK

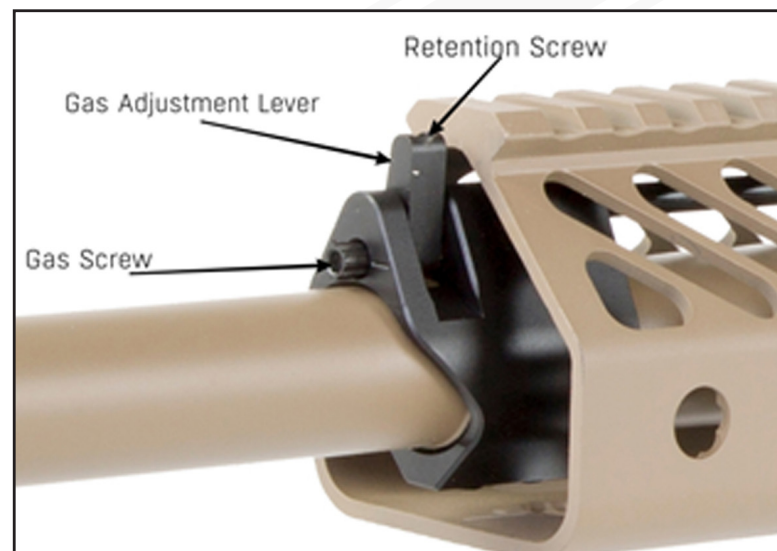
Note: It is best to adjust the weapon in the condition that it will be mostly fired in. As in "always clean" or "field dirty" to function in the worst conditions. The sound suppressor may have to be removed to adjust the Suppressor Gas Block Assembly.

- 01** Loosen the retention screw on the gas adjustment lever using a 5/64 Allen wrench.
- 02** Using a 7/64 Allen wrench, tighten the gas screw all the way down (clockwise) until it is snug. Then open it back up three clicks as this is a good starting point for adjustment.
- 03** Insert a magazine loaded with one cartridge into the weapon.
- 04** Firmly hold the weapon to ensure a proper firing cycle and fire one round.

If bolt **DID** lock to the rear: To prevent over gassing close the gas adjustment screw 1 click toward the "-" and repeat steps 03 and 04. Continue this process until the weapon DOES NOT lock back. Add gas by moving the gas adjustment screw 1 click back towards the "+". Gas block will be set proceed to step 05.

If bolt **DID NOT** lock to the rear: Open gas adjustment screw one click toward the "+" and repeat steps 03 and 04. Continue this process until the weapon locks to the rear. Gas block is set proceed to step 05.

- 05** Slide the gas adjustment lever fully to the side marked (-) and seated to the rear. Tighten the lever retention screw locking the lever into position.
- 06** Your Suppressor Gas Block is ready for use.

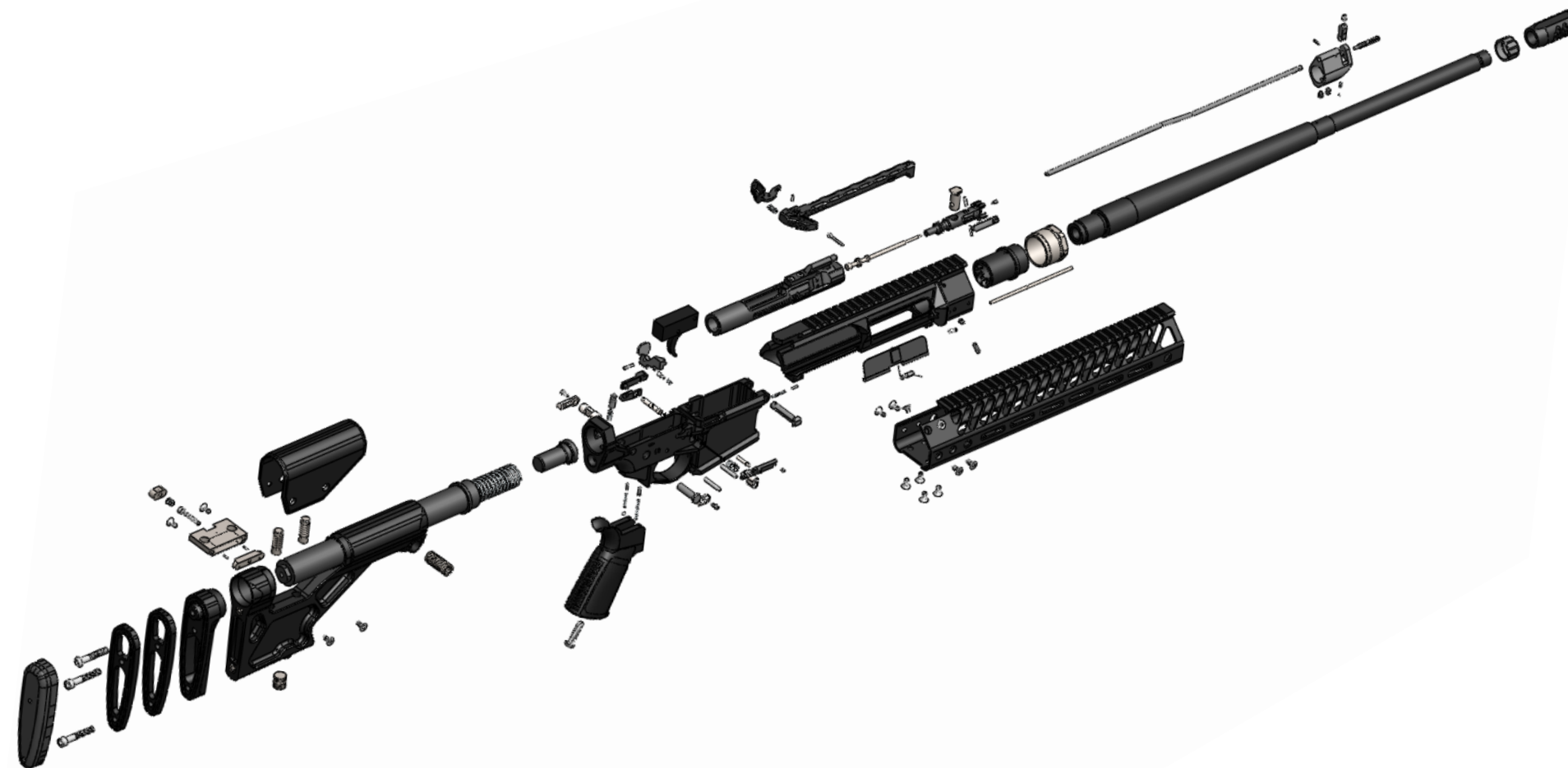


GAS BLOCK OPERATIONAL ADJUSTMENT

If you are firing the weapon suppressed insure that the muzzle break is the correct make and model for your chosen suppressor. If an increase in gas is needed for the weapon to cycle properly, rotate the gas adjustment lever one click at a time towards the “+” until weapon functions correctly. This will increase the gas flow into the weapon required for sustained fire or adverse conditions.

If you remove your sound suppressor, you will need to adjust the gas system to reliably function. Rotate the gas adjustment lever towards the (+) side one click at a time until the bolt will lock to the rear. Your weapon is now enabled to function reliably without the sound suppressor.

**For emergency use in adverse conditions (weapon is cycling slow, misfeeding, not locking to the rear, or there are problems with the suppressor) move gas lever fully toward “+”. This will over gas the weapon but it will continue to function until the environment allows for a more detailed tune of your gas block.*



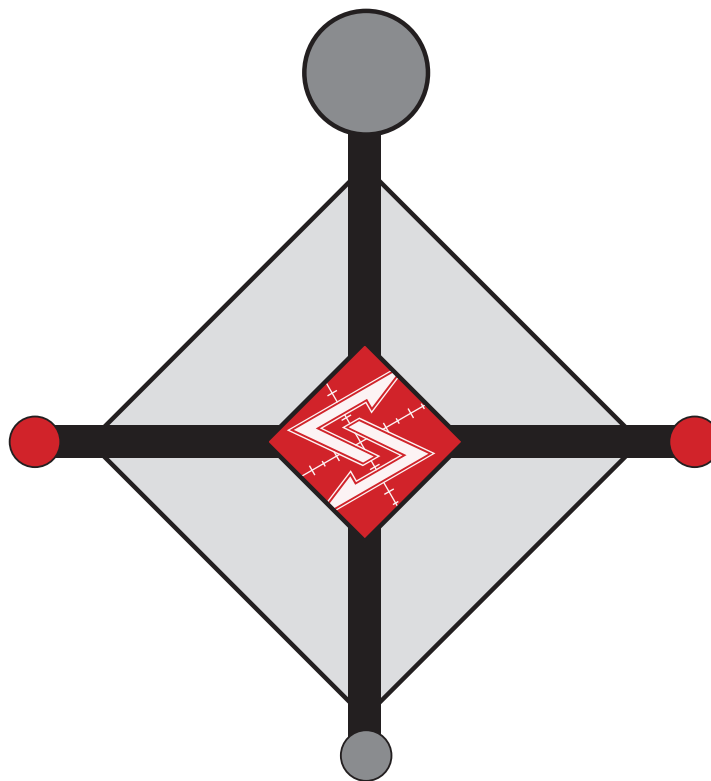


WEAPONS PROGRAM POINT OF CONTACT

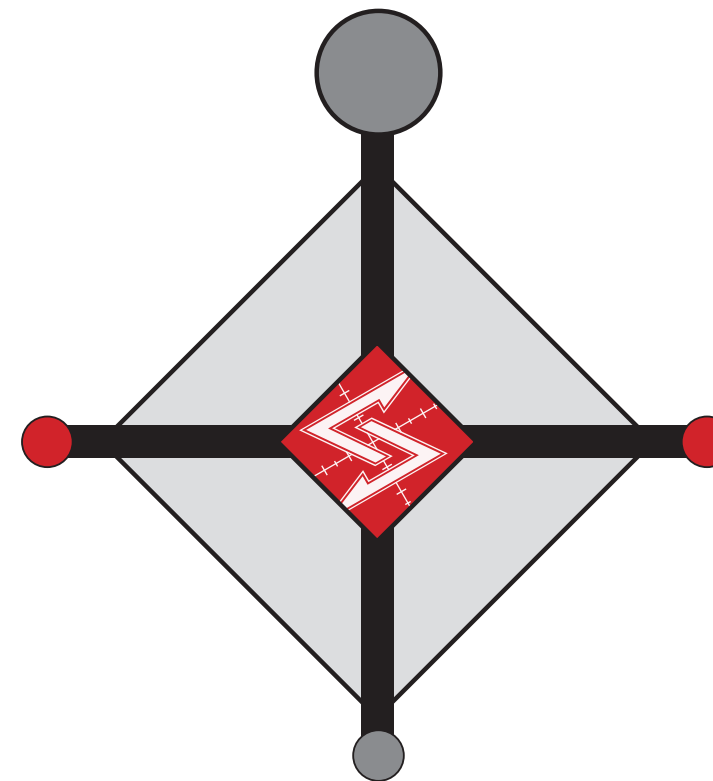
POC FOR ALL ACTIONS TO INCLUDE QUESTIONS,
ADDITIONAL INFORMATION, OR SUPPORT:

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GROUP A	Gun Caliber		Primer	
	Powder		Case	
	Grains		Group Size	
	Bullet		Velocity	
	Seat Depth			



GROUP B	Gun Caliber		Primer	
	Powder		Case	
	Grains		Group Size	
	Bullet		Velocity	
	Seat Depth			



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