SUPERLATIVEARMS®
PISTONKIT
AR-15 PISTON DRIVEN GAS SYSTEM

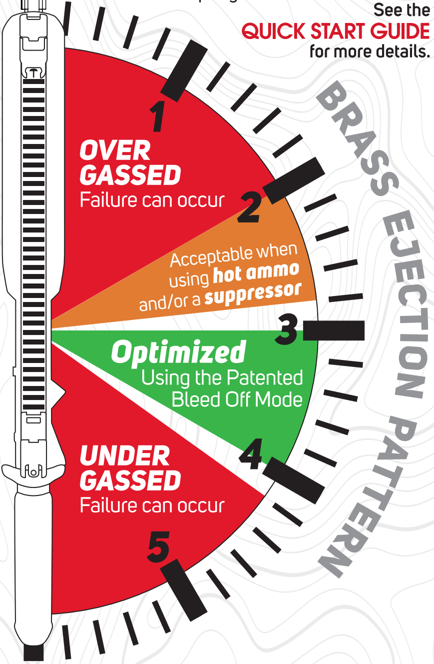
SCAN THE QR CODE FOR A FULL SET OF INSTALLATION AND ADJUSTMENT INSTRUCTIONS

or download from

https://suparms.com/instructions.html

Use the brass ejection pattern to help tune your rifle. If you have made maximum adjustment and you are still over gassed or reached optimization, we recommend increasing your buffer weight and/or buffer spring tension.

See the **QUICK START GUIDE** for more details.



PATENTED BLEED OFF® MODE

BENEFITS: Proper cycling of the bolt carrier group.

Less felt recoil allowing for faster follow up shots.

Less heat and carbon fouling, keeping your operating system cooler and cleaner.

Minimize wear on the internal components.

Adjustment screw is not exposed to high heat, high pressure, or carbon fouling.

Please read before heading to the range, training, or duty.

QUICK START GUIDE

The gas block comes from the factory with the adjustment screw in the closed position.

DO NOT FIRE THE WEAPON WITH ADJUSTMENT SCREW IN CLOSED POSITION.

0 (CLOSED)		48 (MAX)
1-17 CLICKS	**18 CLICKS**	**20-48 CLICKS**
Restrictive Mode	**Fully Open, Full Pressure**	**Bleed Off® Mode**
(Not recommended)	(Starting position)	(Recommended)

STEP 1 | BEFORE FIRING

START by backing out the gas adjustment screw from the closed position to the **starting position** using the provided 3/32" Ball-end Allen tool **counterclockwise** (CCW) 18 clicks or 4 ½ revolutions (4 clicks per revolution) to a fully open, full pressure position. This is equal to a non-adjustable gas block at full pressure.

Also, make sure your piston plug is in the correct firing position. Tighten down CW all the way and then back it out 180° CCW with the large notch facing 6 o'clock and the small notch facing 12 o'clock.

STEP 2 | LOCK & LOAD

Load 3-5 rounds into your rifle's magazine using the lowest pressure ammo that you plan to use. Keeping your rifle pointed in a safe direction (down range), insert the magazine and charge the rifle. In a safe manor, fire consecutively at the intended target.

IS YOUR RIFLE CYCLING PROPERLY?

✗ Not at all, not ejecting, or cycles but doesn't lock back on an empty magazine.

STOP HERE! Do not make any adjustment to the gas block. You may be dealing with an under gassing issue or another variable that is affecting the operation. Some examples are: **Buffer/buffer spring too heavy, low pressure ammunition, adjustment screw not at the starting position, or another rifle component: poor installation / out of spec / tolerance issue.**

Extreme over gassing failures can be similar to under gassing failures and can be resolved by using a heavier buffer weight and/or heavier spring after maximum adjustment has been made.

✓ Yes, perfectly between 3 and 4 o'clock!

No adjustment is required as your rifle is optimized. If you shoot higher pressure ammo or add a suppressor you may experience over gassing. If you do, MOVE ON TO STEP 3.

✓ Yes, but I'm experiencing over gassing.

This where you can make adjustment to the gas screw. MOVE ON TO STEP 3.

STEP 3 | TIME TO OPTIMIZE

Continue backing out the gas adjustment screw **counterclockwise** from the **starting position** into the Bleed Off Mode one full revolution at a time until you achieve the desired brass ejection pattern. If you have made maximum adjustment and you are still over gassed or reached optimization, we recommend increasing your buffer weight and/or buffer spring tension. This will allow the adjustment screw to come back in so you are not running at the maximum setting and allow for more adjustability.

WARNING | Always practice safe firearm handling procedures when using or maintaining firearms. Superlative Arms® is not responsible for damage, injury, or death caused by your own intentional, accidental, or negligent discharge or misuse of the firearm.

LAST UPDATED 9/1/25