

**Product Installation & Adjustment Instructions:**

★ ★ ★ We recommend having a gunsmith install all components. ★ ★ ★

**MAKE SURE THE WEAPON IS UNLOADED BY DOING THE FOLLOWING:**

- 1. Make sure the firearm is pointed in a safe direction, with the safety selector in the safe position.
- 2. Remove the magazine and lock the bolt carrier back.
- 3. Physically and visually inspect the chamber to make sure it is clear.

**Installing the Gas Block**

- 1. Start with a barreled upper receiver (minus the handguard, flash hider, or muzzle device). Attach a gas tube (not included) using the 5/64 x 5/16 roll pin (provided) to the gas block.
- 2. Carefully slide the gas block towards the shoulder, allowing for a .025 gap (use feeler gauges) between the shoulder of the barrel and the back of the block. This will locate the gas hole in the barrel with the gas hole in the block.
- 3. Lightly snug both clamping screws using a 7/64 allen wrench (not included).
- 4. Visually align the top radius of the gas block with the center of the clover in the receiver.
- 5. Using a torque wrench (inch lb.), slowly tighten the (2) clamping screws to **30 not to exceed 34 inch lbs.**

**PATENTED ADJUSTMENT DESIGN**

Unlike conventional adjustable gas blocks, the Superlative Arms block is adjusted by bleeding the pressure out of the block, ("BLEED OFF") instead of restricting the pressure. This allows the rifle to run cooler and cleaner (less carbon in the bolt carrier group) with no adjustment screw erosion.

**Adjusting the Pressure**

**1. Setting the gas screw positions:**

**A. FULLY CLOSED**

To fully close the gas pressure so the rifle will not cycle, turn the gas screw clockwise (CW) until it bottoms out. Do not over tighten the screw.

**B. MAXIMUM GAS PRESSURE**

Place the screw in the Fully Closed position then turn counter clockwise (CCW) 4.5 revolutions. This position will allow the maximum pressure.

**C. BLEED - OFF POSITIONS**

Starting from the Maximum Gas Pressure position, turn the screw (CCW) until you obtain the desired setting for your rifle.

**2. Adjusting the system for the least amount of recoil:**

**A.** With the adjustment screw set at the Maximum Gas Pressure position load one round in a magazine. Fire the round.

**B.** If the bolt carrier locks back on the empty magazine, clear the magazine from the rifle and **visually inspect the chamber to make sure it is empty.**

**C.** Turn the gas screw CCW 1/2 revolution and repeat step (2B) until the rifle ejects an empty case and the bolt carrier **does not** lock back on the empty magazine.

**D.** Once the bolt carrier does not lock back on an empty magazine, turn the screw CW 1/4 revolution and repeat step (2C) until the bolt carrier locks back on an empty magazine. Once you have obtained this setting turn the screw another 1/4 revolution and the rifle should be set to the least amount of recoil.

