DICTATOR
ADJUSTABLE GAS BLOCK

TUNING INSTRUCTIONS

NOTE: This gas block will have a minimum of 9 positions, including the fully closed "off" positions. Your gas block may have 1 or 2 additional open positions because of the timing of the threads and notches.

By design, there are 3 different tools you might use to adjust your regulator. The first is the custom wrench provided with the gas block. It is designed with a finger loop that will also allow it to be attached to your keychain. It also is small enough for storage in many grips. The custom wrench has a unique shape, because it has been optimized for use with POF-USA handguards. However, it can be used if you have installed your DIctator™ with a handguard that does not extend past the gas block. The second method is a 3/32" hex wrench. The third is a flat head screwdriver.

1. Remove any magazines or ammunition feeding devices from the firearm and make sure the rifle is clear and unloaded.
2. Turn the regulator in towards the gas block until it can no longer rotate. This is the "off" position. In this position, the gas will be completely blocked from entering the gas tube. In this setting, you will have to cycle the gun manually.
3. Turn the regulator in the opposite direction as step 2. You should hear and/or feel a "click". Each click is one position. Turn the regulator to the first click. You have slightly opened the gas port.
4. Load one round in a magazine and insert it into your firearm. Following the rules of gun safety, fire the weapon.
5. Observe whether the bolt carrier cycled back and was held open by the bolt catch. On the first position, it is not likely.
6. Remove the magazine and clear the firearm.
7. Repeat steps 3-5 to open the gas flow incrementally until the bolt carrier cycles back and is held open by the bolt catch.
8. Remove the magazine and clear the firearm.
9. Load a few rounds in the magazine and insert the magazine into your firearm. Following the rules of gun safety, fire the weapon consecutively and observe the ejection pattern of the brass. If the muzzle is 12 o'clock and the buttstock is 6 o'clock, you are looking to achieve consistent ejection at 3 o'clock.
10. If the ejection is somewhere between 6 o'clock and 3 o'clock, repeat the clearing, firing, observing, clearing, and adjusting cycle, until the ejection does reach 3 o'clock. Your rifle is set.
11. After shooting over time, you may notice your ejection becoming sluggish and moving back towards 6'oclock. If this is the case, remove the magazine, clear the firearm, and turn the regulator to open the gas flow.

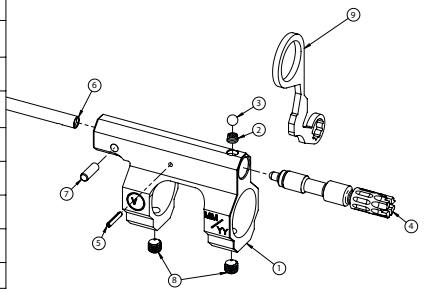
MAINTENANCE AND CLEANING

After extended use, it may become difficult to adjust the regulator. Below are the instructions for disassembly and cleaning. Note: The included diagram may be referenced for part descriptions and information.

1. Remove any magazines or ammunition feeding devices from the firearm and make sure the rifle is clear and unloaded.
2. Using a drift pin punch, remove the Regulator Retaining Pin (Item 5) from the gas block.
3. Spray some carbon cleaner into the hole at the top at the top of the Gas Block (Item 1), and allow it to soak in. Liberal application may be required.
4. Using the custom POF-USA wrench, a flat screwdriver or 3/32" hex wrench, work the regulator (Item 4) back and forth to break up the carbon built up on the threads.
5. Using the custom POF-USA wrench, a flat screwdriver or 3/32" hex wrench, turn the regulator until it is completely unthreaded. If it will not completely unthread, repeat steps 3-4 until it will. Once you have passed the threads, the Regulator Detent Ball (Item 3), may engage them when attempting to remove the regulator from the gas block. If this occurs, it is recommended to continue "unthreading" the regulator until the threads have cleared the ball.
6. Remove the regulator from the gas block. Be aware of the location of the ball detent.
7. Remove the ball detent and store in a safe location.
8. The ball detent spring (item 2) will likely be held in place by force. For replacement purposes, please know that the spring is an AR15/M16 extractor spring. You may choose to remove it or not.
9. Spray carbon cleaner into the open bore. Scrub and flush out the built up carbon.
10. If you removed the ball detent spring, reinstall it. Push it all of the way down into the counter bore. The ball detent spring is tapered. It must be installed with the larger diameter side on the bottom. This will ensure free range of motion for the ball detent.
11. Place the ball detent into the pocket in the bore. It should rest in place.
12. Taking care not to displace the ball detent, carefully install the regulator. If there is resistance when the threads interact with the ball detent, "screw" the threads over the detent. When the threads on the regulator come into contact with the threads on the gas block, you may want to twist the regulator in the unthreading direction while lightly pressing it into the gas block. You should be able to feel the thread starts align. Screw the regulator all the way in.
13. Reinstall the regulator retaining pin.

ITEM NO.	QTY REQ'D	DESCRIPTION
9	1	WRENCH, REGULATOR
8	2	CONE POINT SET SCREW 10-32 X 3/16
7	1	STEEL DOWEL PIN, Ø1/8 X 3/8 LONG (GAS TUBE RETAINING PIN)
6	1	GAS TUBE
5	1	STEEL COILED SPRING PIN, Ø1/16 X 3/8 LONG (REGULATOR RETAINING PIN)
4	1	GAS FLOW REGULATOR
3	1	STEEL BALL, Ø5/32 (REGULATOR DETENT)
2	1	AR15/M16 EXTRACTOR SPRING (DETENT SPRING)
1	1	GAS BLOCK

DICTATOR



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