



DUAL-LOK 556MG

OWNERS MANUAL



**GRIFFIN
ARMAMENT**

DUAL-LOK 556MG

INSTALLATION & MAINTENANCE GUIDE



**FAILURE TO READ AND UNDERSTAND THIS MANUAL
PRIOR TO USE MAY RESULT IN INJURY OR DAMAGE**

WELCOME

Griffin Armament® has been satisfying customers for over two decades with cutting edge sound suppressors.



Suppressors offering active retention systems are fairly important for belt fed machine gun applications. A mounting system allows the suppressor to be removed for cleaning of the barrel, and for compact transportation of the system. Griffin's patented DUAL-LOK® mounting system, the subject of one of several patents related to the series, was designed to provide rigid, sealed locking in a system free of ratcheting wear prone components.

DISCLAIMER

Neither the manufacturer nor reseller from whom you received the product(s) are responsible for any improper use or resulting damage. Firearms and their accessories can be dangerous if not handled correctly, and it is the user's own responsibility to understand this manual and product for safe operation. If there are any unanswered questions, Griffin's experienced customer service team will gladly assist at (262)-200-0003.



Still have questions? Check out our [video channel](#) for an in-depth briefing on the DUAL-LOK® products and their accessories.

PRODUCT SYNOPSIS / ROF SPECIFICATIONS

The DUAL-LOK® 556MG™ AM suppressor provides sound reduction, a flash suppressor mount that retains compatibility with the M249 Blank Firing Adapters. With suppressor mounted, the 5.56mm M249 can conduct 2 minutes at rapid rate of fire (200 rounds / minute) prior to barrel change. It can also conduct 10 minutes at sustained rate of fire (100 rounds / minute) prior to barrel change. It can also fire 800 rounds at cyclic rate of fire, prior to barrel change. The sound suppressor reduces sound, flash, and ground disturbance, enhancing the survivability of the machine gun team. The suppressor was designed to meet the 25,000 round service lifespan of the barrel, when fired 200 rounds prior to cooling to room temperature, in 125 cycles.

* MUZZLE SPL & SPECIFICATIONS

556MG™ AM

M249 SAW

5.56x45mm NATO

Std 18.3" Barrel

Muzzle 134.7 dBA

Ear Avg 132.65 dBA

13.7" Para Barrel

Muzzle 136.0 dBA

Ear Avg 134.0 dBA

6.9" x 1.87"

Weight: 30.0 oz



This suppressor is additively-manufactured from Griffin's proprietary Nickel 625X™ superalloy yielding a ~68% more durable suppressor than INCONEL 625® at lower weights, with higher service temperature, and corrosion resistance. The 556MG™ AM is a heavy-duty suppressor with no compromises made to durability or performance.

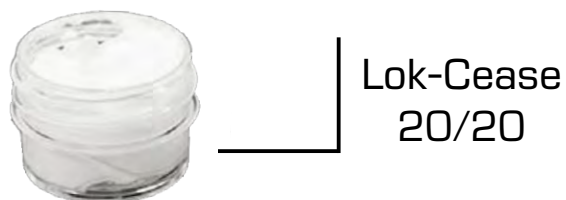
AVAILABLE
CLOSED TIME
FLASH HIDERS



9/16x24 LH 1/2x28

RECOMMENDED USER TOOL KIT

The recommended tool kit for Griffin's DUAL-LOK 556MG™ AM consists of 3/4" Maintenance Pipe Brush, Lok-Cease 20/20, and a 5.56mm alignment rod. Griffin offers a 5.56mm alignment rod which can be supplied with the suppressors if requested:



The brushes are all that is needed to clean the internal bore of the mounting system and corresponding taper and threads. The Lok-Cease should be used on the internal taper of the suppressor and threads/taper of the muzzle device. A light coat will ensure ease of suppressor removal after heavy use.

See page 7 of this manual for more information on checking alignment before firing to prevent damage to the suppressor due to a baffle strike.



REMOVE ALL ROUNDS FROM THE FIREARM AND CLEAR THE CHAMBER BEFORE PERFORMING ANY MAINTENANCE OPERATION

ARMORERS:

Griffin's DUAL-LOK silencers require few critical accessories, most of which are supplied or available through our website. These tools will assist in the proper use of the DUAL-LOK products and ensure they function as intended. Substantial efforts are taken in the manufacturing and inspection of the Griffin product line to ensure customers are fitted with the highest of quality parts. A preset or needle style torque wrench is required to set accurate torque.



A 3/4" open ended crowfoot wrench is ideal. Griffin armorer tools also have been designed around these procedures and are available at www.GriffinArmament.com

The supplied muzzle device is a stainless tool steel material and very robust, but care should be taken when applying torque to not mar the finish or wrench flat edges.

TOOLS REQUIRED FOR MOUNTING MUZZLE DEVICE



Torque Wrench

3/4" Open-Ended Wrench



Supplied Muzzle Device



Supplied Silencer

MOUNTING THE MUZZLE DEVICE

First, clear the firearm in accordance with its manufacturer's user manual. Next, prepare a dry fit installation of your muzzle device. Clean muzzle threads and face with a brass brush. **Dry fit muzzle device and torque to 45-47ft/lbs.** Application of ROCKSETT may be beneficial if available. The 1/2x28 mount for the 18" barrel uses timing shims for positioning the closed bottom of the flash hider toward the gas regulator. Reducing dust signature when firing without the suppressor.

This suppressor was designed for DUAL-LOK specific muzzle devices. The muzzle device integrates 60 machined anti-rotation grooves which are effectively doubled by the collar's two locking positions. How is this achieved? The collar's two locking positions are machined out of phase of one another by 3 degrees which provides the system with 120 different locations to lock and ensures that when the suppressor is firmly screwed onto the taper a locking spline will be at an ideal location to ensure a rigid and locked suppressor in a sealed taper seated configuration.

When the suppressor is firmly attached, only one of the two lock positions will work, allowing the spring to push the locking collar rearward over the splines.





IMPROPER ALIGNMENT CAN CAUSE PERMANENT DAMAGE TO YOUR SUPPRESSOR

ARMORER: CONFIRM ALIGNMENT BEFORE INITIAL USE

Immediately after mounting the muzzle device, firmly attach the silencer in the **UNLOCKED** position to installed muzzle device. Look down the silencer bore through the barrel, illuminating the bore with light. Confirm visual alignment by ensuring the bore of the silencer is in the center of the firearms barrel. Gunsmiths can provide this service, or you can use a Suppressor Alignment Check Rod, which can be found on our website for an easier confirmation at

www.griffinarmament.com/suppressor-alignment-check-rod/



PERFECT



ACCEPTABLE



MISALIGNED

Check rods are the most accurate and safe tool for assuring your silencer has a safely shootable bore condition. Installation and use of this tool is simple and should prevent baffle strikes or any unexpected issues once you get to the range.

Griffin Armament has gone to great lengths to manufacture a precision ground lab grade check rod which can quickly and easily prove alignment. These rods can be bent very easily however and must be handled with extreme care in order to remain useful. Store on a flat supportive surface in a dry climate.

HOW TO USE SUPPRESSOR ALIGNMENT CHECK RODS:

- Properly mount silencer to the 249. Barrel may be removed for convenience..
- Insert check rod down bore of the silencer and into the barrel bore until the end of the rod is flush with the end cap.
- Observe alignment and confirm rod is positioned near the center of the silencer bore (refer to images above).
- 249 barrel may oriented horizontal to the ground and rotated around bore to confirm alignment due to tolerance between the bore and check rod.
- If the mount and silencer are in alignment the rod will not touch the suppressor.

Remove the rod before shooting!

- If the rod is touching contact your qualified factory armorer for trouble shooting.



**FAILURE TO UNLOCK THE MOUNT BEFORE INSTALL
WILL CAUSE DAMAGE TO THE SYSTEM**

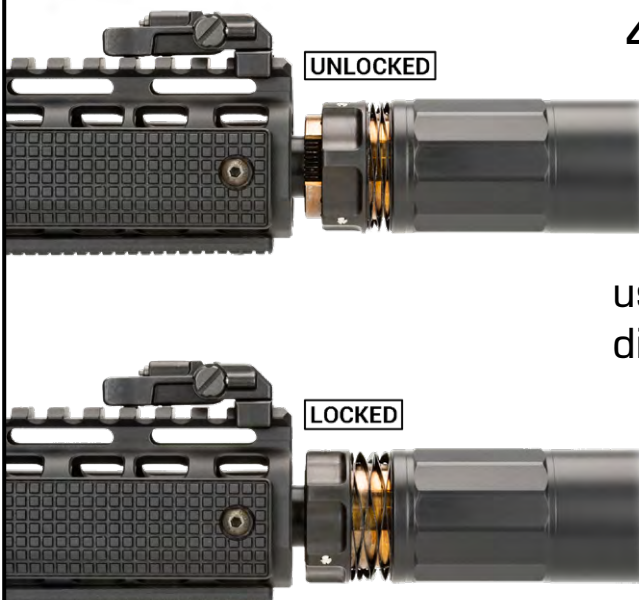
MOUNTING THE SUPPRESSOR

1) Ensure DUAL-LOK™ is in the **UNLOCKED** configuration (see hand model below). Thread DUAL-LOK™ silencer onto DUAL-LOK™ muzzle device. Tighten silencer firmly by hand.

2) Rotate collar clockwise or counter-clockwise until collar springs rearward over tines and rear face of the collar is flush with the rear face of the tines (Fig. **LOCKED**). Pin will be in left or right side of the U shaped DUAL-LOK™ slot. When the device is tight, only one of the locking positions/sides will work.

3) Once done firing, **ALLOW SUPPRESSOR TO COOL** to ambient temperature. Material temperatures can reach in excess of 1500°F under normal use. After the suppressor has cooled, push down the collar which will compress the wave spring and turn either left or right to find the neutral position (Fig. **UNLOCKED**). Tines will be exposed in this position.

4) Unscrew suppressor completely. It is advised to store the suppressor in the locked configuration as this will protect the tines from the possible abuse of daily handling. This mount is not end user serviceable. It should not be disassembled or modified in any way. This should only be done by Griffin's technical service department in the highly unlikely event it is necessary.



FIRST ROUND FLASH ELIMINATION - DUTY APPLICATIONS ONLY

There are two methods Griffin recommends for wetting your suppressor to eliminate 1st round muzzle flash. The first method would be to detach the suppressor and rotate at a 45 degree angle while pouring 5cc's of water slowly into the mount interface. Ensure the bores are drained of all excess water. Then mount the suppressor. **DRAINING EXCESS WATER** is critical to ensure that water does not seep back into the bore causing potential barrel damage. The second method is to submerge your suppressor entirely detached from host firearm. Shake the suppressor vertically multiple times to allow excess water to drain, end cap up. From here, simply install the suppressor and fire as normal. Accuracy and point-of-impact shift should be completely unaffected.

CLEANING THE SUPPRESSOR

Clean and re-apply Lok-Cease to the mount interface of the silencer after every use to prevent your suppressor from becoming stuck on the muzzle device. Remove excess carbon from the muzzle device OD with a fine wire brush or wheel. No other maintenance is required with this silencer. An Oatey 3/4" pipe cleaning brush can be used to clean the inside mount interface of the suppressor. **DO NOT USE** motorized course or medium wire wheels or brushes, as this can cause damage to your mount. IE Pedestal grinder with wire wheel brush is not applicable.



THREAD PITCHES SUPPORTED:

1/2x28 TPI (Standard M249 Barrel)
9/16x24 TPI (Para Saw Barrel)

GOVERNMENT PRODUCTS WARRANTY

Warranty of Supplies of a Noncomplex Nature - Product Warranty for Government Procurements Only

1. Coverage/Extent of Obligations: Griffin Armament ("Griffin") warrants that firearms and suppressor products manufactured by Griffin Armament shall be free from defects in materials and workmanship and shall conform to applicable specifications for a period of one (1) year from the date of delivery of shipment (the "Warranty Period").

This warranty covers only defects discovered during the Warranty Period. It does not cover damage caused by the purchaser, end user, or any third party, including damage resulting from improper use, handling, installation, or maintenance. Griffin's obligations under this warranty are limited to defects in material and workmanship or failure to conform to published specifications. This warranty does not extend to the usefulness or adequacy of the design itself beyond conformance to those specifications.

TO THE MAXIMUM EXTENT PERMITTED BY LAW, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED AND EXCLUDED.

This warranty applies to the original purchaser and is transferable to subsequent lawful owners of the product for the remainder of the Warranty Period.

2. Scope of Warranty: This warranty covers defects in materials and workmanship in Griffin Armament firearms and suppressor products under normal use and in accordance with the product's published specifications. This includes applicable barrel length and caliber limitations for suppressors, and caliber limitations for firearms, as listed in the product manual or on the current product page (applicable only to the most current model of the respective product). In all cases, the product manual and published specifications govern limitations of use. Users must refer to the product manual prior to use.

3. Remedies: If a covered defect is confirmed by Griffin during the Warranty Period, Griffin will, at its sole option and at no charge to the owner (except as noted in Section 5), either: (1) repair the defective product, or (2) replace the defective product (or the affected component) with a new or factory-reconditioned unit of the same or equivalent model.

Griffin's obligation to repair or replace includes responsibility for the costs of furnishing labor and material necessary to accomplish the required repair or replacement, and to test, inspect, package, and mark the repaired or replaced item as applicable.

Unless otherwise agreed in writing, Griffin's obligation to repair or replace includes transportation costs for return of the defective item from the original place of delivery to Griffin's facility and subsequent return of the repaired or replacement item. Griffin's liability for transportation charges from locations other than the original place of delivery shall not exceed the cost of transportation by the usual commercial method of shipment between the original place of delivery and Griffin's facility and subsequent return.

The remedies stated in this Section 3 are the exclusive remedies available under this warranty.

4. Exclusions - What Is Not Covered: Loss or theft, normal wear and tear, finish wear or cosmetic changes (finish is considered cosmetic and is not covered), damage to the Griffin product or to the host weapon system resulting in whole or in part from: abusive or negligent use – unauthorized or improper modification – improperly threaded barrels – improperly mounted suppressors – use of improperly loaded or reloaded ammunition – neglect, damage caused to any other manufacturer's products used in conjunction with Griffin Armament products, use outside the product's published specifications or limitations, or any damage caused by the purchaser, end user, or any third party.

5. Non-Covered Repairs: Any repairs made necessary by the exclusions listed in Section 4 will be performed only after authorization and will be invoiced to the owner as repair costs.

6. Notice of Defects: The owner must provide written notice to Griffin of any claimed defect within thirty (30) days after discovery of the defect and within the Warranty Period. Failure to provide timely notice may result in denial of the warranty claim. Notice shall be sent via the contact method listed in Section 8 (or the then-current contact information on griffinarmament.com).

7. Limitation of Liability: Griffin Armament is not responsible for, and this warranty does not cover, any incidental, consequential, special, or indirect damages, including but not limited to damage to other property, lost profits, or personal injury arising from the use or inability to use the product, to the fullest extent permitted by law. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

8. How to Obtain Warranty Service/Markings: Products are marked or accompanied by notice of the existence of this warranty, its duration, and the method for reporting defects, consistent with Griffin's standard commercial practices.

To obtain warranty service, contact Griffin Armament customer service (CS@griffinarmament.com or the current contact method listed on griffinarmament.com) to obtain a Return Merchandise Authorization (RMA) before returning any product. Products returned without an RMA may be refused.



CS@GRIFFINARMAMENT.COM

(262)200-0003

Watertown, WI 53094

GRIFFIN
GENERAL
ISSUE
PROGRAM



**GRIFFIN
ARMAMENT**

