



# Checkmate-AM

OWNERS MANUAL



**GRIFFIN  
ARMAMENT**

# CHECKMATE-AM

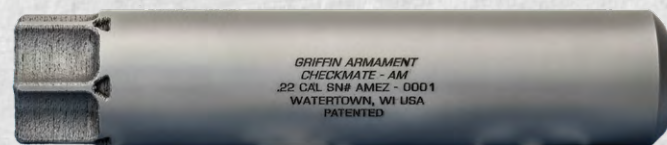
## INSTALLATION & MAINTENANCE GUIDE



**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 innovative and cutting edge sound suppressor technology.



Griffin Armament is releasing the heavy duty CHECKMATE-AM™ suppressors, coming in .22cal and .32cal. These suppressors are constructed from Griffin's proprietary Nickel 625X™ powder alloy, utilizing state-of-the-art DMLS additive manufacturing technology. The proprietary Nickel 625X™ alloy showed in testing a ~68% increase in yield and tensile strength at 1200F over INCONEL® 625, a commonly used suppressor alloy. This advanced material makes these silencers rated for 5.7x28, 22-250, and even .223 Remington on 16" or longer barrels.

### 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 Griffin's products and accessories.



### PRODUCT SYNOPSIS

The EZ-LOK™ mounting system is integrated into the rear of the suppressor ensuring solid lockup to the host firearm and positive retention, minimizing the risk of a baffle strike over direct thread suppressors. Included with the suppressor is a 1/2 x 28 TPI EZ-LOK™ barrel adapter. The Nickel 625X™ alloy enables the design of lighter yet equally (or more) durable suppressors than other common alloys, offering superior corrosion resistance and better resistance to erosive wear of suppressor baffles caused by high-velocity gases and particulates.

### \* MUZZLE SPL & SPECIFICATIONS

#### CHECKMATE-AM 22

116 DB SPL on .22lr Beretta  
119.8 DB SPL on .22lr Ranger

5.12" x 1.06" x 5.9oz



#### CHECKMATE-AM 32

124.9 DB SPL (wet) on Walther PPK/S  
120.5 DB SPL (dry) on Walther PPK/S  
120.4 DB SPL on .22lr Ranger

5.12" x 1.18" x 6.0oz



\*Sound Measurements are A weighted, taken 1M left of the firearm muzzle

### KEY FEATURES

- Integrated EZ-LOK™ Mounting System
- EZ-LOK™ Barrel Adapter (1/2x28) included
- Ultra-durable Nickel 625X™ Alloy Construction
- Additive Manufacturing
- Rated up to .223 Rem
- Warrantied for life with Griffin's Perpetual Lifetime Warranty™



**ALWAYS CLEAR THE FIREARM PER MANUFACTURER'S MANUAL BEFORE PERFORMING MAINTENANCE OR MODIFICATIONS**

## EZ-LOK ADAPTER MOUNTING

The EZ-LOK barrel adapter should be installed with 22ft/lbs of torque to the host barrel using a 3/4" socket and needle type torque wrench (see Fig 1 on next page). No thread locking compound is required or suggested, especially on pistols which need to be field stripped for cleaning. Once installed on the host firearm, the suppressor should be firmly attached to ~13.75in -24in/lbs of force to the barrel adapter. It should not be too tight or too loose. You will feel the tapers engage and tighten.

**DIRECT THREAD MOUNTING** - If you prefer to run the suppressor as a traditional direct thread, simply install the EZ-LOK™ adapter into the rear of the suppressor interface with a 3/4" socket and leave it in this configuration.



## CLEANING

Clean the mount interface of the silencer and the muzzle device after every use. Failure to clean the mount can result in your suppressor becoming misaligned on the muzzle device. Use of an anti-seize type product on the thread interfaces will allow for easier maintenance. Use the cleaning brush to clean the mount interface of excess carbon. Because the silencer cannot be disassembled, cleaning the bore of the silencer is best done by soaking the silencer in a mild solvent or using an ultrasonic cleaner. We recommend cleaning the silencers every 2,000 rounds due to excess fouling caused by rimfire calibers.

### RATINGS AND RESTRICTIONS

The CHECKMATE-AM™ silencers don't have any barrel length restrictions for .32ACP (CHECKMATE-AM32™), .22lr or 5.7x28 cartridges, and are Full Auto Rated for these calibers.

22-250 & .223 Rem - 16" Minimum Sporting Use Only (20 rounds, then allow to cool to ambient temperatures)

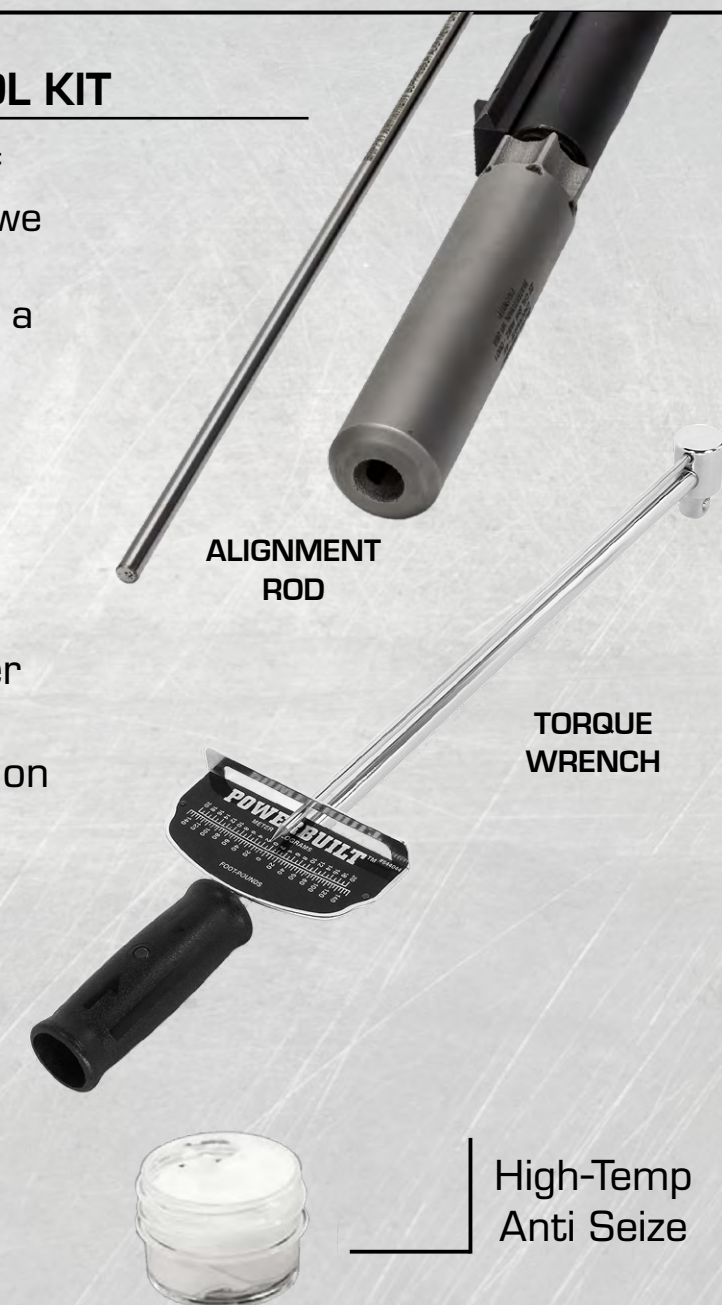
## RECOMMENDED TOOL KIT

The CHECKMATE-AM fresh out of the box is ready to operate, though we suggest checking the Griffin website for additional tools that will assist in a satisfactory shooting experience.

<https://griffinarmament.com/product-category/silencer-accessories/maintenance-tools/>

Recommended additional silencer accessories that apply to Griffin Armament products can be found on our website at:

<https://griffinarmament.com/product-category/silencer-accessories/>



These products are intended to provide users with a satisfactory shooting experience. **High-Temp Anti Seize** should be used on threads or tapers of the suppressor products. A light coat will ensure ease of suppressor removal after heavy use. **Suppressor alignment check rods** are critical to use when mounting a suppressor to a host firearm for the first time. This precision ground tool will show the user if the suppressor and host are properly working together. Refer to page 6 for details.



## IMPROPER ALIGNMENT CAN CAUSE PERMANENT DAMAGE TO YOUR SUPPRESSOR

### CONFIRM ALIGNMENT BEFORE INITIAL USE

With the CHECKMATE-AM silencer firmly tightened onto the mount, use a Griffin alignment check rod. Confirm visual alignment by ensuring the bore of the silencer is in the center of the bore of the firearms barrel. Failure to align properly may result in catastrophic failure. 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/](http://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 your silencer to the host firearm.
- Insert check rod down bore of the silencer and into the host firearm 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).
- Host firearm may need to be 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 gunsmith for trouble shooting. Typically the threads are in need of repair.

### WARRANTY STATEMENT

#### GRIFFIN ARMAMENT PERPETUAL LIFETIME WARRANTY

Subject to the limitations outlined below, for the life of the product, we will repair or replace your Griffin Armament item at no charge if it becomes damaged or defective. This covers all issues other than loss, theft, misuse, or natural wear and tear. There is no warranty card or registration needed, no receipt required, and fully transferable to all future owners.

#### LIMITATIONS

Griffin Armament's warranty does not cover loss, theft, normal wear and tear or cosmetic finish wear, damage to the product or the host weapon system resulting from: abusive or negligent use, unauthorized or improper modification, improperly threaded barrels or improperly mounted suppressors, improperly loaded or re-loaded ammunition, or damages caused to another manufacturer's products used in conjunction with Griffin Armament products. If repairs are necessary due to the factors listed above (misuse, negligence, etc.), the owner may be invoiced at the following rates: 30% of MSRP for traditionally machined suppressors and complete firearms, 40% of MSRP for additive manufactured (AM) suppressors, and 70% of MSRP for stripped lower receivers. Fees are based on the MSRP of the same or most comparable current product. Warranted barrel lengths and calibers are listed in the product manual or on the specific product page (applicable to the most current model). Always refer to your product manual for specific limitations prior to use. Warranty is subject to change without notice.

To learn more about Griffin Armament® and the kit we provide, please visit us on the web at [www.GriffinArmament.com](http://www.GriffinArmament.com) or keep track of our social media pages:

Instagram



Facebook



YouTube



Rumble





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