



A2S-QD

OWNERS MANUAL



**GRIFFIN
ARMAMENT**

A2S-QD

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 nearly two decades with innovative and cutting edge sound suppressor technology.



The Griffin Armament A2S-QD is a centerfire rifle suppressor designed and optimized for the M4 Carbine. It features a locking mount which quickly and securely attaches to the standard A2 compensator on the M16A2/3/4 and M4/A1 variants with no modification or armorer level modification required. The mount automatically stops on the A2 when installed and then is locked and ratchet/detent tightened by the operator.

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.



CRITICAL MOUNTING PROCEDURE DISCUSSED ON PAGES 6 & 7

For a Technical Video on This Product Series

<https://vimeo.com/827797645/65685ce637>

PRODUCT SYNOPSIS

The A2S-QD suppressor features ECO-FLOW™ internal baffles which encourage gas to flow in the system with tuned back pressure reduction features. Tested with state of the art B&K Pulse LAN XI sound lab grade equipment, the suppressor achieves ear safe sound pressure levels at 3 microphone locations for the operator on the M4A1 platform (below OSHA 140dB A weighted limit). The baffles are also tuned to reduce muzzle flash to a minimum and provide ample bore clearance for bullet flight passage when attached to an A2 compensator utilizing a crush washer for mounting. The suppressor is 7" long by 1.5" diameter. It weighs 19.4oz and is manufactured from high temperature resistant alloys for durability and substantial service life.

* MUZZLE SPL & SPECIFICATIONS

A2S-QD™

7.0" x 1.5" 19.4oz

139.1dB @right ear

133.4dB @left ear

133.2dB @muzzle



Closed Tine Flash Hider 1/2x28



A2 Mil-Spec Compensator (left) and GATE-LOK Hammer Comp Brake (right)
are applicable to the A2S-QD and sold separately.

KEY FEATURES

- Wrench included
- Full 17-4 H900 Heat treated stainless steel
- ECO-FLOW™ baffle system for market-leading suppression
- Cerakote Finish resists heat and abrasion
- Fits all NATO A1/A2 flash hidere
- Replacement of crush washers with shims not required

RECOMMENDED TOOL KIT

The A2S-QD suppressor is fully CNC machined and laser welded for maximum thermal transfer and durability. This means there's very few additional accessories needed. However, some applicable tools for improving your shooting experience would consist of Alignment Check Rods, Cleaning Brushes, Anti Seize, or Griffin's Silencer Armorer's Tool Kit.

<https://www.griffinarmament.com/silencers-accessories/accessories/silencer-maintenance/>

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

<https://www.griffinarmament.com/silencer-accessories/additional-silencer-accessories/>

These products are intended to provide users with a satisfactory shooting experience. The brushes are all that is needed to clean the internal bore of the mounting system. The Lok-Cease should be used on threads or tapers of the suppressor products. A light coat will ensure ease of suppressor removal after heavy use. Alignment 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 5 for details.



1" Pipe
Brush

Lok-Cease
20/20



**IMPROPER ALIGNMENT CAN CAUSE PERMANENT
DAMAGE TO YOUR SUPPRESSOR**

CONFIRM ALIGNMENT BEFORE INITIAL USE

With the A2S-QD 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/



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.



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

MOUNTING THE SUPPRESSOR

1) Assure the system is loose by grabbing the mounting collar and tube body and rotating counter-clockwise.



FIG 1

2) Use your thumb to minimally deflect the spring plate rearward on suppressor (fig 1).

3) Lift the locking gate to unlock (fig 2).

4) Tilt the silencer and firearm, such that gravity assists keeping the gate open.

5) Pull the silencer into contact with the shoulder of the mount (fig 3).

6) Depress the gate and push the silencer away from the rifle to engage the groove and close the gate parallel to the mount's rotation limiting wrench flats (fig 4).

7) Refer to opposing page for **critical collar grip description and images (fig 5).**

8) Firmly grasp the mounting collar, as shown in (fig 5). Rotate the tube body clockwise until tight (fig 6).

*** Firing the suppressor with the gate unlocked will eject the suppressor and may damage the suppressor and/or firearm, and may cause excessive recoil to occur.**

*** * Firing the suppressor with the collar not tightened can cause damage to the gate and muzzle device through excessive acceleration of the unit.**



FIG 2



FIG 3



FIG 4



FIG 5



FIG 6



**FAILURE TO PROPERLY MOUNT YOUR SILENCER MAY
CAUSE DAMAGE TO YOUR SILENCER OR FIREARM**

MOUNTING THE SUPPRESSOR CONTINUED

When tightening and loosening the suppressor, it is imperative that you **hold down the gate on the mounting collar when tightening**. Hand opacity allows you to see where the gate is tightly gripped down into the unit under the forefinger hand. Failure to pinch the gate downward while rotating the suppressor can result in gate impingement with the groove, and a false feeling of tightness. Refer to (fig 5) below.

FIG 5



DISMOUNTING THE SUPPRESSOR

To remove, ensure silencer is cooled to ambient temperature, and host firearm is cleared and safe in accordance with it's user manual. Grip collar/gate as shown in (fig 5). Loosen silencer counter-clockwise 3 clicks and conduct step 2 (fig 1) and step 3 (fig 2) on the opposing page, keeping the gate up, and pull the silencer forward off the muzzle device.



ALLOW SUPPRESSOR TO COOL TO AMBIENT TEMPERATURE BEFORE DISMOUNTING

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 the mount interface of the silencer and the muzzle device after every use. Failure to clean the mount can result in your suppressor becoming stuck on the muzzle device. An Oatey 1" pipe cleaning brush can be used to clean the inside of Taper Mount interfaces of the suppressor. The inside bore of the silencer tube body can be cleaned using a 1.5" & 1.25" pipe cleaning brush. Various brushes for cleaning are available on our [website](#). To clean baffles, a tumbler, ultrasonic cleaner, or a brush and oil can be used. Use of an anti-crease type product on the thread interfaces will allow for easier disassembly and maintenance.



WARRANTY STATEMENT

PRODUCT LIFETIME LIMITED WARRANTY

Subject to the limitations outlined below, Griffin Armament will repair or replace free of charge any product we manufacture for the duration of this lifetime warranty. This warranty is unlimited in duration and covers at Griffin Armament's sole discretion, service, repair, and/or replacement of damaged products caused by normal use. Any repair not covered by the warranty will be billed at a maximum of 30% of current MSRP for a comparable product, subject to BATFE transfer fees as required.

LIMITATIONS

Griffin Armament's warranty does not cover loss, normal wear, damage to our product or the host weapon system resulting in whole or in part from abusive or negligent use, unauthorized modification, improperly threaded barrels, improperly mounted suppressors, improperly loaded or re-loaded ammunition, or neglect. Finish wear is cosmetic and is not covered by this warranty. Any repairs to the unit made necessary by the above mentioned factors may be invoiced to the owner at a maximum of 30% of current MSRP for the most comparable product. The individual barrel lengths and calibers warranted are listed in the manual you receive with your product, or on the product page (applicable only to the most current model of the respective product). In all cases refer to the product manual for product limitations prior to using a Griffin Armament product. 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 or keep track of our social media pages:

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