





Bearing Delay Upper Receiver - Integrally Suppressed Supplement 9×19mm

 Before working on any firearm, ensure it is unloaded, the chamber is empty, and the safety is on! 

WARNING: READ THESE INSTRUCTIONS AND WARNINGS CAREFULLY. BE SURE YOU UNDERSTAND THESE INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT. FAILURE TO READ THESE INSTRUCTIONS AND TO FOLLOW THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH TO YOU AND OTHERS ALONG WITH PROPERTY DAMAGE.



Proudly designed and manufactured in the United States of America.



ALL NFA RULES APPLY. WARNING: 1. The addition of a stock to a firearm that includes the MEAN Bearing Delay Upper Receiver Assembly with a barrel shorter than 16" in length may result in the manufacturing of a short barreled rifle (SBR) which falls within the classification of firearms subject to NFA controls [26 U.S. Code § 5845(a)(3)]. Even if the upper is not attached to the stock, possession of the upper and the stock could potentially constitute a short barrel rifle (SBR) which may not be lawfully possessed unless it is registered to the possessor in the National Firearms Registration and Transfer Record in advance. 2. The Addition of a stock to a firearm that includes the MEAN Bearing Delay Upper Receiver Assembly with a barrel of 16" in length or longer may result in the manufacturing of a lawful sporting rifle. Prior to converting a pistol into a rifle, ensure you follow all relevant federal, state, municipal, and/or local guidance.

The MEAN Bearing Delay Upper Receiver Assembly is designed to function exclusively when a suppressor is attached. **DO NOT attempt to fire without the suppressor securely attached.** Suppressors (often referred to as silencers, cans, or mufflers) are controlled under both the National Firearms Act (NFA) (26 U.S.C. § 5849 et seq.) and the Gun Control Act (18 U.S.C. § 921 et seq.). Storing an unlocked sound suppressor at home with a person who is not registered to possess the device may be construed as "constructive possession" by the ATF, which may be punishable by law. It is **YOUR** responsibility to ensure that all laws and regulations are followed.

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Congratulations on your purchase of a MEAN Bearing Delay Upper Receiver - Integrally Suppressed.

This supplement describes safety and basic service that is specific to the Integrally Suppressed version of the MEAN Bearing Delay Upper Receiver Assembly.

Most information that is relevant to the Bearing Delay Upper Receiver Assembly is contained in the Bearing Delay Upper Receiver Assembly Manual included with your upper. For information about the suppressor, contact the manufacturer of your suppressor.

More detailed information on disassembly, cleaning, reassembly, maintenance, and upgrades can be found in these ways:

- Consult the Bearing Delay Upper Receiver Assembly Manual
- Email support@meanarms.com or call 404-889-8960 to speak with our support department;
- Visit the MEAN on YouTube at <https://www.youtube.com/c/meanarms>;
- Visit our website at www.meanarms.com.

READ THE INSTRUCTIONS & WARNINGS IN THIS SUPPLEMENT CAREFULLY BEFORE USING PRODUCT; DO NOT DISCARD THIS SUPPLEMENT.


FIREARM SAFETY AND WARNINGS


When handling your MEAN Bearing Delay Upper Receiver - Integrally Suppressed, or any firearm component, always follow the rules of firearm safety. The following is a non-exhaustive list of safety rules and procedures. You are responsible for your safety and those around you, and you are responsible for complying with all applicable laws and regulations.


- Always keep the muzzle pointed in a safe direction (e.g., when loaded, unloaded, during cleaning, etc.).
- Keep your finger away from the trigger until your sights are on target.
- Keep the firearm free of ammunition, until you are ready to use the firearm.
- Assume all firearms are loaded and treat them as such. Never assume that the firearm is unloaded - always check for yourself. Never pass your firearm to another person until the cylinder or action is open and you visually confirm that the firearm is unloaded. Keep your firearm unloaded and safely stored when not in use.
- Know how to safely use the firearm before shooting it. If unsure, consult a qualified expert.
- Before use, ensure the firearm is in working condition. If unsure, consult a qualified expert.
- Clearly identify your target before firing and know what lies beyond the target before firing.
- **SAFE FIREARM HANDLING IS YOUR PERSONAL RESPONSIBILITY AT ALL TIMES.** Firearms are dangerous and can cause severe injury or death if they are misused or used inappropriately. Safety must be the prime consideration of anyone who owns or handles firearms. Accidents are the result of violating the rules of safe firearm handling and common sense. Firearm safety training is available. Contact your firearms dealer, law enforcement agency, local sportsman's club, etc. for availability.

- **YOU ARE RESPONSIBLE FOR THE FIREARM AT ALL TIMES.** Firearm ownership requires you to take full-time responsibility for your firearm's safety and security. You must protect yourself and all others against injury or death from misuse of the firearm 24 hours a day.
- Use proper eye protection when shooting.
- Use proper ear protection when shooting.
- Use only correct ammunition in your firearm. If unsure, consult a qualified expert first.
- Never use firearms while under the influence of alcohol or drugs.
- **FIREARM SECURITY IS YOUR RESPONSIBILITY.** You must secure firearms safely from children and/or unauthorized users. Your firearm should always be kept unloaded and locked when not in use. You must always evaluate your personal situation and employ the security systems that meet your needs and prevent children and unauthorized users from gaining access to your firearm.
- Always store firearms properly to prevent access by unauthorized people.
- **APPROPRIATE USE FOR YOUR FIREARM MEANS USING YOUR FIREARM FOR LEGAL PURPOSES.** For example - target shooting, hunting, and lawful resistance of deadly criminal force. It is your responsibility to ensure that you are in compliance with all applicable laws and ordinances regarding the use of your firearm.
- **NEVER RELY ON MECHANICAL FEATURES ALONE.** Only your safe firearm-handling habits will ensure the safe use of your firearm. This is your responsibility.
- **NEVER ALLOW A FIREARM TO BE USED BY INDIVIDUALS WHO DO NOT UNDERSTAND ITS SAFE OPERATION OR HAVE NOT READ THESE FIREARM SAFETY RULES. ALWAYS USE THE CORRECT AMMUNITION FOR YOUR PARTICULAR FIREARM** as indicated by the marking on the firearm. Never use non-standard, reloaded, or "handloaded" ammunition which has not been subjected to internal ballistic pressure testing.
- **BEWARE OF BARREL OBSTRUCTIONS.** Be sure the barrel is clear of obstructions before shooting. Mud, water, snow, or other objects may inadvertently lodge in the barrel bore. A small obstruction can cause a dangerous increase in pressure and may damage your firearm and cause injury to yourself and others.
- **BE SURE ALL ACCESSORIES, SUCH AS HOLSTERS, GRIPS, SLINGS, SCOPES, ETC. ARE COMPATIBLE** with the firearm and that the accessories do not interfere with safe operation. It is your responsibility to understand and follow all the instructions in this supplement as well as those which may be supplied with your ammunition and any accessory.
- **NEVER DISASSEMBLE YOUR FIREARM** beyond the Disassembly and Field Stripping procedure outlined in this supplement (except for Major Cleaning procedures). Improper disassembly or reassembly of your firearm may be dangerous and can lead to severe injury or death.
- **NEVER MANIPULATE, ADJUST OR CHANGE ANY OF THE INTERNAL COMPONENTS OF YOUR FIREARM UNLESS SPECIFICALLY INSTRUCTED TO DO SO IN THIS SUPPLEMENT.** Improper manipulation of any other internal component may affect the safety and reliability of your firearm and may cause severe injury or death.
- **NEVER ALLOW ANY ALTERATION OR REPLACEMENT OF PARTS IN YOUR MEAN FIREARM UNLESS PERFORMED BY A QUALIFIED GUNSMITH** using genuine MEAN parts. If you do otherwise, improper functioning of your firearm may occur, and severe injury or death and property damage may result.

- **WARNING: CHILDREN ARE ATTRACTED TO AND CAN OPERATE FIREARMS THAT CAN CAUSE SEVERE INJURIES OR DEATH.** Prevent child access by always keeping your firearm locked away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you may be fined and sent to prison.
- **WARNING: CHOKING HAZARD – Small parts – Not suitable for children under 3 years.**
- **WARNING:** This product and handling firearms or firearms parts can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm including lead, lead compounds, and petroleum products. For more information, go to www.P65Warnings.ca.gov.

 **WARNING: ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.**

 **WARNING: NEVER DO ANYTHING BEYOND WHAT YOU ARE SPECIFICALLY INSTRUCTED TO DO IN THIS SUPPLEMENT. NEVER ALTER OR MODIFY THE PARTS IN YOUR FIREARM.**

 **WARNING: ANY MAINTENANCE, ADJUSTMENT, OR SERVICE NOT SPECIFIED IN THIS SUPPLEMENT MAY AFFECT THE SAFETY & RELIABILITY OF YOUR FIREARM AND MUST BE PERFORMED BY A QUALIFIED GUNSMITH USING GENUINE MEAN PARTS. IF YOU DO OTHERWISE, IMPROPER FUNCTIONING OF YOUR FIREARM MAY OCCUR AND SERIOUS INJURY OR DEATH MAY RESULT.**

WARRANTY INFORMATION

Each Bearing Delay Upper Receiver - Integrally Suppressed includes the MEAN Lifetime Warranty, so if you ever have a problem, we will always help you fix it or replace it. Email support@meanarms.com or call 404-889-8960 to speak with our support department. MEAN will address service and upkeep of the Bearing Delay Upper Receiver - Integrally Suppressed (including, for example, Preventative Maintenance 1 and Preventative Maintenance 2) **free of charge** if the customer ships the product. For all warranty/service work, customer is responsible for shipping. For more information about the MEAN Warranty, see www.meanarms.com/warranty.

DISASSEMBLY AND FIELD STRIPPING

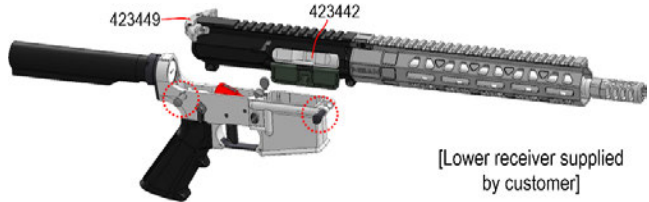
- Prior to disassembly or field stripping of your firearm, ensure it is unloaded, the chamber is empty, and place the selector on SAFE. **NOTE:** When handling the firearm; If the selector does not easily move to SAFE, DO NOT attempt to force it into SAFE. While keeping the muzzle pointed in a safe direction, remove the magazine, and lock your bolt carrier group open and then place the selector on SAFE before proceeding. Use proper eye protection.
- Confirm the magazine is removed from the firearm.
- Push the top of the bolt release to ensure that bolt carrier group is in forward position.

- Push the takedown pin (above and behind the trigger) from the left side and pull the pin toward the right side of the receiver until it comes to a positive stop.
- Pivot the lower receiver down and away from the upper receiver.

NOTE: Never dry-fire with the firearm disassembled.

- If required, push the pivot pin from the front of the receiver (similar to the takedown pin) toward the right side of the receiver and separate the upper receiver from the lower receiver completely.

- Pull the charging handle (423449) to the rear and remove the bolt carrier group (423442).



- Do not disassemble the bolt carrier group (423442) – see the Bearing Delay Upper Receiver Assembly Manual if further disassembly is necessary or desired.
- Field Stripping is now complete – see cleaning instructions, page 10 of the Bearing Delay Upper Receiver Assembly Manual.

RECOMMENDED MAINTENANCE AND CLEANING SCHEDULE

The cleaning intervals listed here are recommendations only. Intervals between cleaning will vary greatly depending on many factors including ammunition used, the environment in which the firearm is operated, the thoroughness of your cleaning, etc. The cleaning intervals listed below assume the firearm is being fired in a semiautomatic manner. **If the firearm is being fired (i) in a select fire manner (burst or fully automatic) the intervals below should be reduced by 50%.** The MEAN Bearing Delay Upper Receiver Assembly should be visually inspected before each firing session. Any quality firearms solvent or oil can be used to clean the system. Any cleaner or lubricant specifically designed for use with firearms will work well on the system. The instructions below describe using a separate cleaner and lubricant, but a multi-purpose cleaner and lubricant may be used. MEAN recommends two types of operator cleaning: Normal Cleaning and Major Cleaning.

Normal Cleaning - Performed after each firing session or every twelve (12) months. For longer firing sessions, perform a Normal Cleaning on an upper after 250 rounds or when the firearm is exposed to or excessively laden with sand, dust, water, or other visible contaminants or foreign matter. See Normal Cleaning section, page 10 of the Bearing Delay Upper Receiver Assembly Manual.

Major Cleaning - Performed after 500 rounds or when the firearm is exposed to or excessively laden with sand, dust, water, or other visible contaminants or foreign

matter. See Major Cleaning, page 12 of the Bearing Delay Upper Receiver Assembly Manual. In addition, the barrel ports (see below) should be inspected and cleaned. It may be necessary to remove the handguard.



Bolt Gap Check - Performed on the upper after 500 rounds following a Major Cleaning. See Bolt Gap Check, page 14 of the Bearing Delay Upper Receiver Assembly Manual.

Preventative Maintenance 1 (423438) - Performed on an upper after 2,500 rounds or when the firearm exhibits degraded or poor ejection patterns. See page 10 of the Bearing Delay Upper Receiver Assembly Manual.

Preventative Maintenance 2 (423439) - Performed on an upper after 5,000 rounds or when the firearm exhibits degraded or poor ejection patterns (assuming prior Spring Replacement service has been completed). See page 10 of the Bearing Delay Upper Receiver Assembly Manual.

NOTE: MEAN will address service and upkeep of the Bearing Delay Upper Receiver Assembly (including, PM 1 and PM 2) **free of charge** if the customer ships the product.

HANDGUARD

The Bearing Delay Upper Receiver - Integrally Suppressed includes the AR15 9.3" Enhanced M-LOK Handguard from Aero Precision (SKU: APRA100275A) with a permanently attached internal stainless steel shroud. For questions related to installation and/or removal of the handguard, please contact Aero Precision.

BARREL

The Bearing Delay Upper Receiver - Integrally Suppressed includes a ported barrel designed to function with a suppressor threaded onto the barrel. **DO NOT attempt to fire without the suppressor securely attached.** The addition of the ports and the lack of provisions for mounting a device at the muzzle differentiate this barrel from the barrel of typical (non-suppressed) MEAN Bearing Delay Upper Receiver. However, the components and assembly of this barrel are otherwise the same as that of the typical (non-suppressed) MEAN Bearing Delay Upper Receiver. See page 32 of the Bearing Delay Upper Receiver Assembly Manual for instructions relevant to removing or installing the barrel.

AMMUNITION

The Bearing Delay Upper Receiver was designed to use ammunition designed to NATO specifications. Similar to an automobile engine, one cannot expect exceptional performance when using poor-quality fuel. The same applies to firearms. There are a number of general considerations that should be evaluated when choosing ammunition for the Bearing Delay Upper Receiver.

Due to the design of the ported barrel, the Bearing Delay Upper Receiver - Integrally Suppressed reduces the velocity of projectiles. For this reason, the system is tuned for supersonic ammunition. **DO NOT use subsonic ammunition** – doing so may cause reliability problems or other malfunctions.

DO USE

- * 9×19mm NATO, Parabellum or Luger **supersonic** ammunition of recent manufacture, preferably with a projectile weight of at least 100 grains for optimum reliability
- * Clean burning ammunition
- * Non-corrosive ammunition
- * Jacketed Hollow Point (JHP), “Silver-Tip,” ball, truncated cone, “Hydra Shok,” etc.

DO NOT USE

- * **Subsonic** ammunition
- * Reloads or remanufactured ammunition. Beware of military surplus, foreign or outdated ammunition
- * Aluminum cased ammunition
- * Non-jacketed or exposed lead ammunition
- * Corrosive ammunition (primer and/or propellant)
- * Any ammunition that exceeds SAAMI pressure limits (maximum 38,500 psi)
- * Empty cases as “dummy” (inert) rounds, as damage may result to the firearm. Use complete dummy rounds available for training purposes.

NOTE: MEAN recommends **NOT** using cases fired from the bearing delay system for reloading.

TUNING AND LIFTER SELECTION

The Bearing Delay Upper Receiver Assembly includes two Lifters (one installed in the bolt carrier group and one alternative Lifter in the box).

WARNING: Swapping Lifters alters how the Upper Receiver Assembly performs. If you are unsure or have not fully read these instructions, **never** remove the Lifter that was originally installed in the bolt carrier group. Your safety is your responsibility. The included Lifters accommodate a wide range of typical ammunition. Additional Lifters are available from [MEAN](#). Each Lifter is marked with a Letter designating the configuration (see table on page 10 and charts on page 11). Swapping a Lifter tunes the firearm by changing the dwell time (*i.e.*, slowing or speeding up the cycle time). To remove an installed Lifter, follow the instructions above for Disassembly and Field Stripping (see page 5) and Depot Stripping Level 1 (see page 15 of the Bearing Delay Upper Receiver Assembly Manual).

The charts on page 11 provide guidelines for selecting a Lifter based on ammunition. Shorter suppressors (up to 10.5") are shown in the top chart, and longer suppressors (longer than 10.5") are shown in the bottom chart. For a particular ammunition, find the bullet weight in grains (horizontal axis) & the muzzle velocity in feet per second (vertical axis). This information is usually provided on the ammunition box and/or on the manufacturer's website.

These charts are approximations based on MEAN's testing for numerous common available ammunitions. MEAN cannot test all possible combinations of configurations and environmental factors – read these instructions fully before proceeding and contact us with any questions related to Lifter selection.

NOTE: These charts do not show operating limits for the Lifters – the charts show ranges for optimizing the Bearing Delay system. There may be situations where moving up or down one Lifter is necessary. These charts assume the firearm includes a milspec carbine buffer tube, M4 carbine buffer spring, carbine buffer, and milspec semiauto fire control group.

The Bearing Delay system is not designed to function with buffer tubes longer than a milspec carbine buffer tube. Using a longer buffer tube may allow the bolt carrier group to travel outside of the normal operating range leading to malfunctions and/or potential damage.

When using the charts, if the variables for the ammunition are near the edge of one of the zones shown in the chart, it is **ALWAYS** recommended to move further into the alphabet (*i.e.*, M is preferable to K). Moving this direction on the chart should also reduce perceived recoil. Lifters further into the alphabet slow the cycle time, which like any firearm, is preferable for safety and longevity of mechanical components. However, moving too far in this direction of the chart may cause the firearm to have insufficient energy to cycle reliably (*e.g.*, using a M Lifter when the ammunition's variables suggest a H Lifter). If unsure what Lifter to use, **ALWAYS** contact MEAN before proceeding. Email support@meanarms.com or call 404-889-8960 to speak with support.

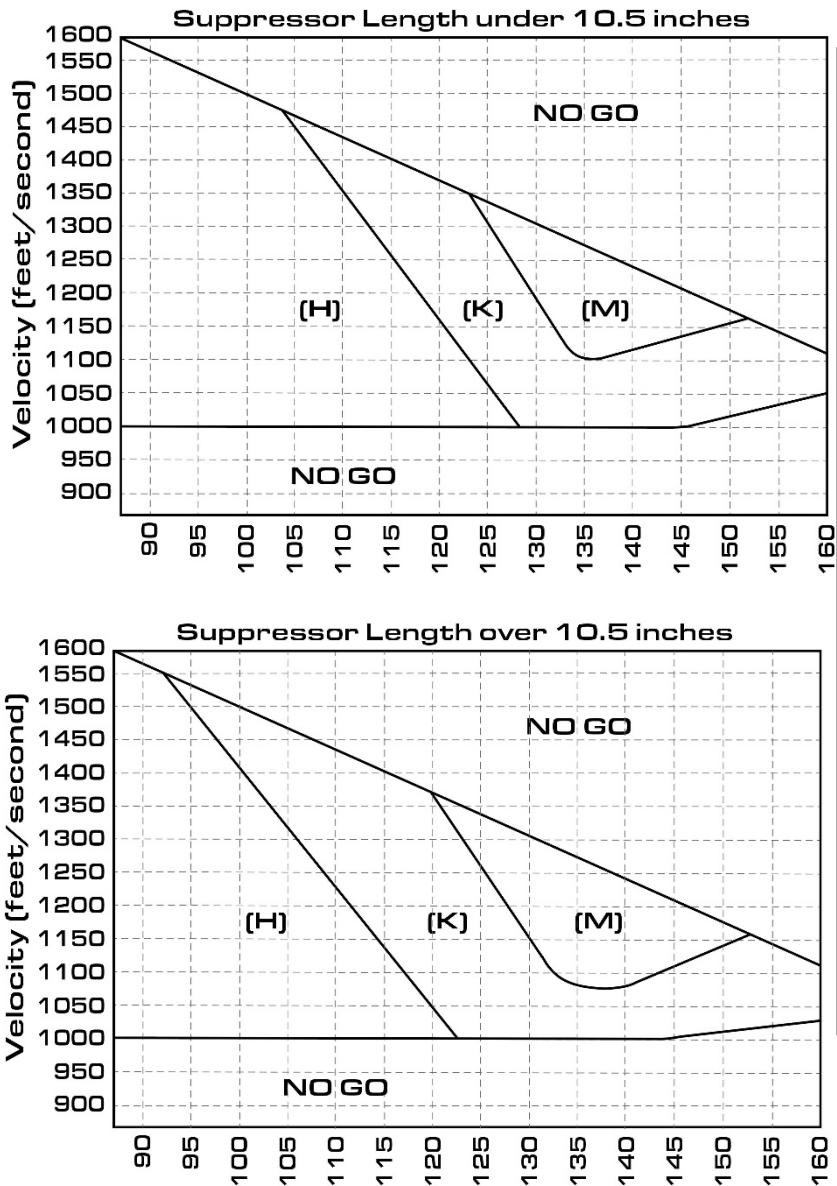


Available Lifters

| ID | Part Number | Notes |
|----|-------------|-------|
| F | 423432 | |
| G | 423431 | |
| H* | 423430 | |
| J | 423429 | |
| K* | 423428 | |
| L | 423427 | |
| M | 423426 | |
| N | 423425 | |
| P | 423424 | |
| Q | 423423 | |
| R | 423422 | |

*Included with the MEAN Bearing Delay Upper Receiver - Integrally Suppressed

Contact MEAN to inquire about purchasing additional Lifters.



*These charts assume a firearm with a milspec carbine buffer tube, M4 carbine buffer spring, carbine buffer, and milspec semiauto fire control group.

*These charts do not show strict operating limits for the Lifters – the charts show ranges for optimizing the Bearing Delay system. There may be situations where moving up or down one Lifter is necessary. Contact us with any questions related to Lifter selection



www.meanarms.com

support@meanarms.com

404-889-8960

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