

PDXX™



OWNER'S MANUAL



MAXIM
DEFENSE®

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INTRO

Congratulations on your purchase of the MDX weapon system. At Maxim Defense we are dedicated to the design and production of only the highest grade in performance firearms. Whether you are a civilian consumer having purchased this firearm for sport or self-defense purposes, or a military or law-enforcement professional having been issued this weapon for duty use, we trust that our product will serve you well.

Michael G. Windfeldt

President & CEO

Maxim Defense Industries LLC



SAFETY INFORMATION

General Firearm Safety Rules:

1. Treat every weapon as if it were loaded.
2. Never point a weapon at anything you do not intend to shoot.
3. Keep your finger straight and off the trigger until you intend to fire.
4. Keep the safety on until you are ready to fire.

WARNING: It is your responsibility to reference and obey all federal, state, and local laws and regulations on the possession, carriage, and discharge of firearms. Law Enforcement and Military consumers, you are responsible for referencing and obeying the policies of your respective agencies that apply to the carry and use of this firearm.

WARNING: Ensure that the forward hand stop is securely mounted prior to use of this firearm.

DISCLAIMER: Maxim Defense assumes no responsibility for any misuse, criminal use, or negligent use of this firearm.

DESCRIPTION OF FIREARM, DEFINITIONS, AND NOMENCLATURE

1 Stock or Brace

2 Forward Assist

3 Charging Handle

4 Optic / Accessory Rail

5 Ejection Port Door

6 Upper Receiver

7 Handguard

8 QD Sling Mount

9 HATEBRAKE™

10 QD Sling Mount

11 Stock / Brace Release Button

12 Rear Takedown Pin

13 Safety / Firing Selector

14 Grip

15 Trigger

16 Magazine Release

17 Magazine Well

18 Takedown Pin

19 Handguard Retention Bolt

20 Forward Hand Stop



WARNING: The PDX comes standard with a forward hand stop. The forward hand stop, as pictured, SHALL NOT be used as a vertical foregrip in any capacity. Doing so may result in serious injury.

FUNCTION OF FIREARM

STOCK AND FOREGRIP

Collapsible CQB Stock or Arm Brace Installation, Removal, and Use:

1. To remove the CQB Stock or Arm Brace, simultaneously press in both latches on the underside of the CQB Stock or Arm Brace housing while pulling rearward on the stock or arm brace.
2. To reinstall the CQB Stock or Arm Brace, insert the stock rods into the housing and push forward while simultaneously pressing in both latches on the underside of the CQB Stock or Arm Brace housing.
3. To adjust the length of the CQB Stock or Arm Brace, depress the left side latch only while simultaneously pulling or pushing the CQB Stock or Arm Brace to the desired length. Alternatively, the stock or brace may be auto-deployed to its set length of pull by firmly pulling to the rear.

WARNING: The installation of a vertical foregrip may require the payment of tax and filing of registration paperwork in accordance with the National Firearms Act. The consumer bears the responsibility to ensure that all local, state, and federal laws are complied with prior to vertical foregrip installation.

VERTICAL FOREGRIP OR HAND STOP INSTALLATION:

NOTE: This only applies to certain models of the MDX.

4. Introducing the new M-RAX™ attachment system by Maxim Defense. Unlike the traditional M-Slot mounting systems, M-RAX™ utilizes the full slot of your rail, maximizing space. This makes the M-RAX™ system end-to-end stackable, giving you the option to create seamless monolithic rail sections where needed.

Installation and removal is a breeze. Thanks to the spring-loaded screws, the M-RAX™ system removes mounting frustrations. Simply push the screw in with a standard hex tool and rotate 90 degrees. The locking lugs engage that easily. No more fighting or timing screws. Just push, turn, and tighten.

M-RAX™ is compatible with all M-Slot handguards and forends.

M-RAX™ is easy to install and remove and meets M1913 specifications.

Patent Pending spring loaded universal interface system eliminates the need to adjust the gap between the T-Nut and accessory to match the thickness of the mounting surface. Simply use the supplied hex key to push the spring-loaded hardware through the M-slot, twist 90 degrees to engage, release tension and then tighten normally.

Secure mounting point for any picatinny rail-mounted accessories such as grips, lights, lasers, etc.

MAGAZINE

This firearm is accompanied in the package with a 20-round magazine. Ensure that the magazine is free and clear of debris prior to use. Conduct cleaning and maintenance of the magazine to ensure it remains serviceable.

NOTE: DO NOT apply lubrication to the magazine or ammunition.

The magazine is loaded with ammunition as follows:



CHARGING HANDLE

To cycle the action of the firearm, grasp the charging handle, depressing the locking latch while simultaneously pulling rearward. When unloading or clearing the firearm, the bolt may be slowly eased ('rode') forward on an empty chamber by slowly easing the charging handle to the forward position and re-latching it to the upper receiver. When loading a round of ammunition into the chamber, the charging handle should never be 'rode' forward, instead the user should release the charging handle completely once the bolt is in the rearward position.



BOLT CATCH / RELEASE

The bolt catch is engaged by the magazine follower when the bolt cycles to the rear on an empty magazine. This feature allows the bolt carrier to be held to the rearward (open) position after the firing of the last round of ammunition in the firearm, alerting the user that the firearm is now empty and allowing for an expedited reload time.



Alternatively, the bolt catch can be engaged by pulling the charging handle fully rearward and depressing the bottom portion of the bolt catch / release. Push the charging handle forward.



OPERATION

CLEARING

WARNING: Always keep face AWAY from the ejection port when clearing a loaded chamber.

1. OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.
2. With internal hammer cocked, rotate safety selector switch to SAFE. If unable to place on SAFE, that means that the internal hammer is de-cocked. Continue to step 3.



3. If a magazine is present in the magazine well, remove magazine from magazine well by depressing the magazine release and extracting the magazine from the magazine well.



4. Pull the bolt to the rear position and check chamber by pulling and holding the charging handle all the way to the rear. Place weapon on SAFE at this time if you were unable to do so in step 2.



5. Press bottom of bolt catch and allow bolt to move forward until it engages bolt catch.



6. Return charging handle to fully forward position and latch into upper receiver.
7. Visually and physically ensure that the chamber is clear.

LOADING

NOTE: Magazine can be loaded with bolt assembly open or closed.

From the OPEN-bolt position:

1. Ensure that all procedures in the CLEARING instructions have been fully performed and OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.
2. Insert loaded magazine into magazine well and push inward until magazine catch engages and holds magazine.



3. Tap bottom of magazine inward and give a slight pull outward to ensure magazine is fully seated and locked in the magazine well.
4. Depress upper portion of bolt catch/release allowing the bolt to go forward, simultaneously inserting a round of ammunition into the chamber of the firearm.



5. Tap forward assist to ensure bolt is fully seated forward.



6. Close dust cover.



WARNING: Your weapon is now LOADED. OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.

From the **CLOSED-bolt position:**

1. Ensure that all procedures in the CLEARING instructions have been fully performed and OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.
2. Insert loaded magazine into magazine well and push inward until magazine catch engages and holds magazine.
3. Tap bottom of magazine inward and give a slight pull outward to ensure magazine is fully seated in magazine well.
4. Pull charging handle completely to the rear and release, allowing the bolt to go forward, simultaneously inserting a round of ammunition into the chamber of the firearm. **DO NOT** ride the charging handle forward when chambering a round.
5. Tap forward assist to ensure bolt is fully seated forward.
6. Close dust cover.

WARNING: Your weapon is now loaded. OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.

AIMING

NOTE: This firearm is not equipped from the manufacturer with any sight system. It is the end user's responsibility to select and attach an adequate sight system to the firearm PRIOR to use. Follow the manufacturer's instructions accompanying the selected sight system for instructions on mounting and use.

FIRING

1. **OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.**
2. Place the weapon on FIRE by rotating the safety selector switch to “Fire.”
3. Slowly squeeze the trigger.
4. The weapon will cycle on its own and reload a new round of ammunition after each discharge until empty.
5. When the weapon is empty, the bolt catch will engage and hold the bolt to the rear in the open position.

RELOADING

1. Place the weapon on SAFE by rotating the safety selector switch to “Safe.”
2. Remove the magazine by depressing the magazine release and removing the empty magazine from the magazine well.
3. Insert loaded magazine into magazine well and push upward until magazine catch engages and holds magazine.
4. Tap bottom of magazine upward and give a slight pull downward to ensure magazine is fully seated in magazine well.
5. Depress upper portion of bolt catch / release, allowing the bolt to go forward, simultaneously inserting a round of ammunition into the chamber of the firearm.
6. Tap forward assist to ensure bolt is fully seated forward.
7. Close dust cover.

WARNING: Your weapon is now LOADED. OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.

UNLOADING

WARNING: Always keep face AWAY from the ejection port when clearing a loaded chamber.

1. OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.
2. With internal hammer cocked, rotate safety selector switch to SAFE. If unable to place on SAFE, that means that the internal hammer is de-cocked. Continue to step 3.



3. Remove magazine from magazine well by depressing the magazine release and extracting the magazine from the magazine well.



4. Remove the cartridge from the chamber by pulling and holding the charging handle all the way to the rear. Place weapon on SAFE at this time if you were unable to do so in step 2.



5. Press bottom of bolt catch and allow bolt to move forward until it engages bolt catch.



6. Return charging handle to fully forward position and latch into upper receiver.
7. Visually and physically ensure that the chamber is clear.

MALFUNCTIONS

NOTE: Malfunctions during operation are remedied at the operator level through steps collectively known as **CORRECTIVE ACTION**. There are two levels of corrective action an operator can take— **IMMEDIATE ACTION** and **REMEDIAL ACTION**. Immediate action is a first response and is both quicker and less in-depth. Remedial action is slower and more extensive in its procedures. Both are explained here in sequence.

WARNING: If weapon fails to fire with a live round in the chamber, keep the firearm pointed down range and wait until the firearm has cooled before performing corrective action as outlined below. This will mitigate the risk of injury in the event of an ammunition defect.

WARNING: Always keep face **AWAY** from the ejection port when clearing a loaded chamber.

If your weapon stops firing, perform the following **IMMEDIATE ACTION**:

1. OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.
2. Slap upward on magazine to make sure it is properly seated.
3. Pull charging handle all the way to the rear.
4. Observe for the ejection of a cartridge or spent casing.

WARNING: If unable to promptly remove live cartridge from the chamber of a hot firearm, keep firearm pointed in safe direction for 15 minutes to allow it cool prior to continuing to perform corrective action. **ALWAYS** keep face away from the ejection port when clearing a loaded chamber. This is to avoid injury in the event of a possible 'cookoff.'

5. If cartridge or case is ejected and chamber is clear, release charging handle to feed new round.

DO NOT ride the charging handle forward.

6. Push the forward assist.

7. Squeeze trigger and weapon should FIRE.

8. If weapon still does not fire, apply remedial action (outlined below).

WARNING: STOP firing immediately if an audible 'pop' is heard that is noticeably lower in volume than the normal sound of the discharge and/or reduced recoil is experienced while firing weapon. These could indicate an incomplete powder burn and/or a bullet stuck in the bore.

If Immediate Action procedures fail to correct the malfunction, perform REMEDIAL ACTION:

1. OBEY THE 4 FIREARM SAFETY RULES AT ALL TIMES.

2. Retract bolt slowly and remove the ammunition cartridge from the firearm's chamber.

3. Clear weapon fully by utilizing the UNLOADING steps previously described in this manual.

4. Visually check for unburned powder grains in the receiver or bore.

5. Visually and physically inspect for a bullet stuck in the bore by utilizing a cleaning rod inserted from the muzzle.

WARNING: NEVER look down the muzzle of an assembled firearm.

Disassemble and remove the upper receiver from the firearm before attempting to look down the bore.

6. Remove unburned powder or bullet from bore before resuming firing.

7. If a cartridge case is still in the chamber, tap it out with a cleaning rod.

8. If the bullet is stuck in bore, return the weapon to field maintenance or to a qualified gunsmith.

DISASSEMBLY

NOTE: The weapon must be clear before inspecting, cleaning, disassembly, transporting, or storing to be considered SAFE.

1. Clear the weapon, visually and physically checking that the chamber is clear.
2. Push both takedown pins as far as they will go. Pivot upper receiver from lower receiver to separate the upper and lower receiver.

NOTE: For the PDX model, the upper and lower receivers are separated by guiding out the buffer spring from the buffer tube.

3. Pull back charging handle and bolt carrier.
4. Remove bolt carrier assembly.
5. Remove charging handle.
6. Remove firing pin retaining pin.
7. Push in bolt assembly to locked position.
8. Drop firing pin out of rear of bolt carrier.
9. Remove bolt cam pin.
10. Remove bolt assembly from carrier.

NOTE: Disassemble using steps 11 thru 13 only when dirty or damaged.

11. Remove extractor pin.

NOTE: Press rear of extractor before removing to check spring function. Replace the extractor spring if spring is weak.

NOTE: DO NOT separate spring assembly from extractor.

12. Press in buffer, depress buffer retaining pin, and release buffer.
13. Remove buffer and action spring.

CLEANING, MAINTENANCE, AND LUBRICATION

CLEANING INSTRUCTIONS:

Recommended Materials:

1. Cleaning Rods
2. Cleaning Swabs
3. Pipe Cleaners
4. Bore Brush
5. CLP Lubricant
6. Chamber Brush
7. Small Arms Wiping Rags
8. Plastic-bristle Brush

WARNING: Always unload and CLEAR the weapon before cleaning.

WARNING: DO NOT mix the parts of one weapon with other weapons. Parts are not interchangeable unless specifically designated as such.

WARNING: DO NOT mix lubricants on the same weapon.

WARNING: The user is responsible for following all instructions for the safe use of CLP provided by the CLP manufacturer.

NOTE: The term “CLP” and “lubricant” in this manual are used interchangeably and are to be interpreted to mean that CLP, LSA, LAW can

be utilized as applicable. The weapon must be thoroughly cleaned during change from one lubricant to another using dry cleaning solvent (SD). **DO NOT** mix lubricants on the same weapon.

BORE CLEANING PROCEDURES:

1. Disassemble weapon.
2. The bore of your weapon has lands and grooves called rifling. Rifling makes the bullet spin very fast as it moves down the bore and down range. Because it twists so quickly, it is difficult to push a new, stiff bore brush through the bore. You will find it easier to pull your bore brush through the bore. Also, because the brush will clean better if the bristles follow the grooves (called tracking), you want the bore brush to be allowed to turn as you pull it through.
3. Attach two cleaning rod sections together.
4. Swab out the bore with a patch moistened with CLP or rifle bore cleaner (RBC).
5. Attach the bore brush. When using bore brush, do not reverse direction while in bore.
6. Point muzzle down. Hold the upper receiver in one hand while inserting the end of the rod without the brush into the chamber. Let the rod fall straight through the bore. About 2 to 3 inches will be sticking out of the muzzle at this point.
7. Attach the handle section of the cleaning rod to the end of the rod sticking out of the muzzle.

8. Pull the brush through the bore and out the muzzle.
9. After one pull, take off the handle section and repeat the process.
10. Send a patch through the bore once in a while to help clean out the dirt that the brush is getting loose. Replace the bore brush with the rod tip (patch holder and a wet patch. Drop it through. You won't need to attach the handle to pull only a patch through.

UPPER RECEIVER CLEANING PROCEDURES:

1. Connect chamber brush to cleaning rod handle. Dip the chamber brush in CLP and insert in chamber and locking lugs. Push and twist to clean.
2. Use a worn out bore brush to clean outside of gas tube. Gas tubes will discolor from heat. **DO NOT** attempt to remove discoloration.
3. Wipe down and clean entire upper receiver with CLP and rag.

BOLT CARRIER ASSEMBLY CLEANING PROCEDURES:

1. Clean carbon and oil from firing pin.



2. Clean bolt carrier key with brush.



3. Clean firing pin recess with pipe cleaner.



4. Clean firing pin hole with pipe cleaner or swab.



5. Clean behind bolt rings and lip of extractor.



6. Clean carbon deposits and dirt from locking lugs.



CAUTION: DO NOT use wire brush or any other type of abrasive material when cleaning aluminum surfaces.

EJECTOR CLEANING PROCEDURES:

1. Place a few drops of CLP on the ejector.

WARNING: DO NOT use a live round to perform this process.

2. Press the ejector in using a spent round casing or dummy round. Hook casing under extractor and rock back and forth against ejector. Repeat this process a few times adding lubricant until the action of the ejector is smooth and strong.

3. Dry off excess CLP when process is completed.

BOLT AND BOLT CARRIER ASSEMBLY CLEANING INSTRUCTIONS:

1. Inspect bolt cam pin for cracking or chipping.

2. Inspect firing pin for bends, cracks, and sharp or blunted tip.

3. Inspect the three gas rings to ensure that they are not missing or broken.

4. Inspect bolt cam pin area for cracking or chipping.

5. Inspect locking lugs for cracking or chipping. Inspect bolt face for excessive pitting.

6. Inspect extractor assembly for missing extractor spring assembly with insert and for chipped or broken edges on the lip which engages the cartridge rim.

7. Inspect firing pin retaining pin to determine if bent or badly worn.

8. Inspect bolt carrier for loose bolt carrier key.

9. Inspect for cracking or chipping in cam pin hole area.

LUBRICATION INSTRUCTIONS:

TOOLS:

1. Cleaning rods and Handle
2. Chamber Brush
3. Swabs

MATERIALS:

1. CLP Lubricant of user's choice
2. Cleaning Swabs
3. Wiping Rags

Use of CLP—Cleaner, Lubricant, and Preservative:

1. Always shake bottle well before use.
2. Place a few drops on rag or swab.
3. Clean weapon with CLP dampened rag or swabs until clean.
4. Apply a fresh, light coat of CLP with new rag or swab.

NOTE: DO NOT “dry clean” your weapon. **DO NOT** use hot water or other solvents or you will wash away the Teflon lubricant that has been building up as a result of you using CLP. If CLP is not used, RBC may be used to remove carbon within the bore. Dry cleaning solvent may be used to completely remove lubricants. For example, when moving to extreme cold weather operations, to remove traces of CLP before applying LAW.

GENERAL LUBRICATION GUIDANCE:

1. Under all but the coldest Arctic conditions, CLP or LSA are the lubricants to use on your weapon. Remember to remove excessive lubricant from the bore and chamber before firing.
 - a. Lightly Lubricated—A barely visible film of lubricant.
 - b. Generously Lubricated—Lubricant is thick enough to spread with finger.
2. Lightly lubricate inside of upper receiver, bore, chamber, front sight, outer surfaces of barrel, and under the handguards.
3. Lubricate locking lugs. Add a few drops of lubricant to the chamber brush and insert into the chamber and locking lugs.
4. Lubricate inside of barrel. Add a few drops of lubricant to a swab patch on cleaning rod. Send the cleaning rod through the bore from chamber to muzzle.

NOTE: Do not change direction in the bore with the bore brush.

BOLT CARRIER ASSEMBLY LUBRICATION GUIDANCE:

1. Lightly lubricate firing pin and firing pin recess in bolt.
2. Place one drop of lubricant in carrier key.
3. Generously lubricate the outside of the parts: Cam pin area, gas rings, outside of bolt body.
4. Lightly lubricate extractor and pin.
5. Lightly lubricate charging handle and inner/outer surfaces of bolt carrier. Generously lubricate slide and cam pin area of bolt carrier.

ASSEMBLY

NOTE: Assembly steps 1 thru 3 are only necessary if disassembly was performed on the bolt. If not, proceed to step 4.

1. Place large end of extractor spring in the extractor and seat it by pushing and turning clockwise.

NOTE: Be sure not to lose extractor spring and rubber insert.

2. Insert extractor assembly into bolt.
3. Install extractor pin.
4. Slide bolt into carrier.

CAUTION: DO NOT switch bolts between weapons.

5. Insert bolt cam pin. Turn cam pin a 1/4 turn after reassembly.
6. Drop firing pin into carrier and seat the firing pin.
7. Extend bolt out.



8. Insert firing pin retaining pin.

NOTE: Firing pin should not fall out when bolt carrier assembly is turned upside down.

9. Insert charging handle part way. Align lugs on sides of charging handle with the corresponding recesses in the upper receiver and push upward and forward.



10. With bolt in the extended position, slide the key on top of the bolt carrier assembly into the charging handle groove.



11. Push charging handle and bolt carrier assembly together into upper receiver until fully seated.

12. Place the buffer spring around the buffer.

13. Place the buffer assembly into the buffer tube until buffer detent captures buffer.



NOTE: For the PDX model, place buffer into rear of bolt carrier. Ensure buffer is fully seated.



14. Cock the hammer in the lower receiver and place the safety selector lever on SAFE.

15. Marry up the upper and lower receivers.

NOTE: For the PDX model, the upper and lower receivers are married up by guiding the buffer spring into the buffer tube until the take-down pin holes of both receivers align.



16. Engage receiver pin take-down pins.



FUNCTION CHECK

NOTE: The purpose of a FUNCTION CHECK is to ensure that the internal mechanics of a firearm are present and functioning properly.

1. Ensure the firearm is UNLOADED.
2. Charge the firearm once by pulling the charging handle to the rear and releasing.
3. Ensure the safety selector lever is on SAFE.
4. Attempt to pull the trigger. The hammer should NOT release, and nothing should happen.
5. Place the firearm on FIRE and attempt to pull the trigger and HOLD the trigger to the rear. The hammer should release and 'dry fire' the weapon.
6. While holding the trigger to the rear, charge the weapon by pulling the charging handle to the rear and releasing.
7. SLOWLY release the trigger forward while listening for a faint mechanical "click."
8. Place the firearm on SAFE.
9. Close the dust cover.

SPECIAL CIRCUMSTANCES AND CONDITIONS

EXTREME COLD WEATHER CLIMATES:

NOTE: A small amount of CLP on moving parts can freeze and prevent weapon from firing in extreme cold conditions. Thoroughly remove CLP from weapon and apply LAW for operations in extreme cold weather.

Cleaning and Lubrication:

1. Clean and lubricate weapon in warm room with weapon at room temperature if possible.
2. Apply a light coat of Lubricating Oil for Arctic Weapons (LAW) to all functional parts.
3. Keep weapon covered when moving from warm to cold areas to reduce condensation and/or freezing. Allow weapon to cool gradually when possible.
4. Keep weapon dry whenever possible.
5. Unload and perform function check every 30 minutes to help prevent freezing of functional parts when possible.
6. **DO NOT** lay warm weapon directly on ice or in snow.
7. Condensation will form on weapon when moved from a cold area to

a warm area. Weapon should be disassembled and wiped dry several times as it warms to room temperature.

8. Keep ammunition and the insides of magazines wiped dry. Moisture will freeze and cause weapon malfunctions.
9. **DO NOT** lubricate ammunition.
10. Use a muzzle cap, protective magazine bag, and weapon cover to protect weapon in extreme cold weather whenever the situation permits.

JUNGLE CLIMATES:

NOTE: Use magazine bag, muzzle cap or rifle cover for protection when the situation permits.

1. Perform regular maintenance prior to, and after use.
2. Clean and lubricate with CLP more frequently than normal.
3. Inspect all parts of the weapon for corrosion more frequently and more completely than normal.
4. Remove handprints from weapon with dry rag and lubricate lightly with CLP.
5. Unload and check inside magazines for corrosion and moisture frequently. Ensure ammunition is dry before reloading magazines.

DESERT CLIMATES:

NOTE: Use magazine bag, muzzle cap or rifle cover for protection when the situation permits.

1. Clean inside and functional areas of the weapon every day and after firing in desert environments. Dust and sand will get into the weapon and magazines and cause malfunctions.
2. In a desert environment, generous amounts of lubrication should be applied to the internal working surfaces and functional parts of the weapon only. Unload and dry ammunition and the inside of magazines daily. **DO NOT** lubricate magazines.
3. Keep the bolt and ejection port cover closed, magazine in the magazine well, and muzzle cap on to keep sand and dust out of the weapon.

DURING HEAVY RAIN AND WATER CROSSING – ALL CLIMATES:

1. Ensure that the dust cover is closed
2. Use magazine bag, muzzle cap or rifle cover for protection when the situation permits.
3. Perform regular maintenance prior to, and after use.
4. **ALWAYS** attempt to keep weapon dry.
5. **ALWAYS** drain water from barrel before firing by pointing downward and shaking as necessary. In a controlled and safe environment, field strip the weapon and dry the bore with a swab and cleaning rod if wet.

AFTER WATER CROSSINGS:

WARNING: DO NOT fire if water is present in barrel.

1. Remove muzzle cap if present.
2. Point weapon downward and shake vigorously.
3. Pull charging handle 2 to 3 inches rearward and allow water to drain.
4. Release charging handle and tap forward assist to seat round and lock bolt.
5. Close dust cover.

AFTER SALT WATER OPERATIONS:

1. Clean sights and optics as soon as possible if saltwater is on them.
2. Wash sights and optics with fresh water, from canteen or other fresh water source, if situation does not permit using CLP.
3. Otherwise, follow the HEAVY RAIN procedures previously listed.

WARRANTY, SERVICE, AND TECHNICAL REFERENCE INFORMATION

**For current warranty information, please refer to our webpage
www.maximdefense.com.**

CONTACT INFORMATION:

Customer Service: (239) 580-7800
Email: info@maximdefense.com

TORQUE SPECIFICATIONS:

HATEBRAKE: 30 foot pounds
HEARTBREAKER: 60 foot pounds
Buffer Tube (all models): 60 inch pounds
Handguard Retention Bolt: 60 inch pounds

GENERAL REFERENCES:

WP0014
TM 9-1010-221-10
TM 9-1010-221-23&P
SW 370-AE-MMI-010

TM 9-1005-319-23&P Field Maintenance Manual for,
M16A2/M16A3/M16A4 Rifle and M4/M4A1 Carbine

FM 3-22.9 M16A1 Rifle and Rifle Marksmanship

DISCLAIMER: Maxim Defense voids all warranty coverage where weapons that have been disassembled beyond the scope of what is described within the user's manual, or where parts or mechanisms have been modified from their factory condition or functionality. For any questions, please contact Maxim Defense Customer Support.

Check for updates to your user's manual at WWW.MAXIMDEFENSE.COM

CONTINUED ON NEXT PAGE...

CONTINUED... WARRANTY, SERVICE, AND TECHNICAL REFERENCE INFORMATION

AMMUNITION DISCLAIMER (7.62X39mm): To ensure our firearms pass the most rugged, demanding firing schedules and provide the highest quality shooting experience, we research and test many of the most commonly available munitions on the market today.

The PDX, in 7.62x39mm, ships with an Enhanced Firing Pin that is extended to compensate for known tolerance issues found within foreign, cheaper manufactured ammunition. When compared to a standard AR-15 firing pin, the enhanced pin is made longer to help offset for quality fluctuations seen in low-quality ammo. However, when the quality of the munition is low, like that seen on older Soviet-era manufactured ammo, we have found that the primers are recessed too far into the case head causing even the Enhanced Firing Pin to light strike the primer.

To ensure the most reliable shooting experience with your MDX rifle or pistol, we recommend avoiding older, eastern European ammo and opt for ammunition made in the US by quality manufacturers like that available through Fort Scott Munitions (fortscottmunitions.com) companies like

GAS BLOCK TUNING: The gas block has a threaded gas regulator within it that can be replaced to tune your rifle to one specific ammunition if so required. A professional armorer or certified gunsmith only can do this modification as making the change requires specialized training. We recommend that you have the gas regulator changed every 4,000 rounds.

Attempting to change the gas regulator without the proper training may cause damage to components and may not be covered by the factory warranty. At any time you can send your upper receiver in to Maxim Defense to have it fully serviced, which includes complete detailed strip and inspection and new gas regulator. See website for more information.

Professional Armorers and Certified Gunsmiths: please E-mail us at info@maximdefense.com for more information and training.



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Specifications subject to change without notice. Actual product may vary from photo. Rev 082019JL