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RA 15-22



RETAY

RETAY

RA 15-22 Line

Use • Maintenance • Spare Parts



WARNING

This product can expose you to chemicals including lead, which is know to the State pf California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



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IMPORTANT SAFETY NOTICE

This manual contains important safety, operating, care, and maintenance instructions. To ensure safe operation of the firearm any user of this firearm must read and understand this manual before use. Failure to follow the instructions and heed the warnings in this manual may result in property damage, personal injury, and/or death. This manual should always accompany this firearm and be transferred with it upon change in ownership.



FIREARM SAFETY RULES

1. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

This is the most important rule of firearm safety. A safe direction is one in which an accidental discharge will not cause injury to yourself or others. Do not point your firearm at anything you don't intend to shoot. Pay particular attention to your muzzle when loading and unloading. Treat every firearm as if it were loaded. If you keep your firearm pointed in a safe direction no one will be injured by an accidental discharge.

2. FIREARMS SHOULD BE UNLOADED WHEN NOT ACTUALLY IN USE.

Load your firearm only when you're in the field or on the range and ready to fire. Never allow a loaded firearm out of your sight or your hands. As soon as you are finished shooting unload your firearm; do not wait until you carry it to your car, camp, or home. "Unloaded" means there is no ammunition in the chamber or the magazine.

Keep the firearm's action open when not in use. Never assume a firearm is unloaded; always check for yourself even if you were the last person to use it. Before handling the firearm or handing to someone else visually inspect the chamber, receiver, and magazine to be certain it is unloaded. These rules should be followed even if the firearm is equipped with an internal or external security measure (e.g., cable lock, trigger guard, etc.).

Safe storage is as important as safe handling; do not store your firearms loaded. Store ammunition securely and separate from your firearms. Keep your firearms stored and secured in a safe location where unauthorized persons cannot access them without your knowledge and permission. **It is especially important to secure your firearms in such manner and location that children do not gain access to them.**

3. DO NOT RELY ON THE FIREARM'S SAFETY.

Treat every firearm as if it can fire at any time where or not there is pressure on the trigger. Although very unlikely, because a firearm's safety is a mechanical device it can fail. The more likely reason a firearm's safety can fail is human error. You may think the safety is on when it is not or improper handling of the firearm may result in accidentally disengaging the safety. You may not think or recognize there is ammunition in the firearm. The safety is a backup to proper firearm handling and operation; it is not a substitute for common sense and awareness on behalf of the user.

Do not touch the trigger until you are ready to shoot and keep your fingers away from the trigger when loading and unloading. Do not pull the trigger when the safety is engaged or is located in between safe and fire.

5. USE THE PROPER AMMUNITION FOR YOUR FIREARM.

Using a single round of improper or incorrect ammunition can destroy a firearm and cause serious personal injury. It is your responsibility to make sure the ammunition you use is a match for the caliber or gauge of your firearm and is in proper working order. Always follow instructions on ammunition boxes.

Only use ammunition loaded by an ammunition manufacturer. **Never use ammunition which is damaged, corroded, or otherwise defective, or ammunition which is dirty, wet, dented, deformed or in which the bullet has been pushed back into the cartridge case. Never use foreign military surplus ammunition, or other ammunition of questionable quality, age or origin.** Handloaded or reloaded ammunition that deviates from manufacturer specifications can be extremely dangerous and result in numerous firearm malfunctions or complete destruction of the firearm. The use of reloaded, "remanufactured" or handloaded ammunition, unjacketed lead ammunition or any ammunition which is not to the appropriate SAAMI or NATO standards, will **VOID THE WARRANTY** and may be unsafe, possibly causing damage to the firearm, serious personal injury or death.

4. BE SURE OF YOUR TARGET AND WHAT IS BEYOND IT.

Do not fire unless you know exactly where your shot is going and what it will strike. Be sure your bullet will not injure anyone or anything beyond your target. Do not fire at noises, movements, or patches of color. Be sure your shot has a backstop such as a hillside or dense material. Know how far your shot will travel if you miss your target or the bullet ricochets.

6. IF YOUR FIREARM FAILS TO FIRE WHEN THE TRIGGER IS PULLED, HANDLE WITH EXTREME CAUTION.

If the ammunition does not fire when you pull the trigger, stop and recall the first rule; always keep the muzzle pointed in a safe direction. With the muzzle pointed in a safe direction wait at least 30 seconds – to ensure the ammunition is not delayed in firing – before engaging the safety, carefully opening the action while keeping your face away from the breech, unloading the firearm, and disposing of the failing round safely. Even though the cartridge may not have fired, continue to treat your firearm as if it can discharge.

7. ALWAYS WEAR EYE AND EAR PROTECTION WHEN SHOOTING.

Exposure to the noise from firearm use can permanently damage hearing and flying debris, such as powder residue and ejected cartridge cases, can injure your eyes. To avoid injury, you should wear both eye protection (such as shooting glasses) and ear protection (such as sound-deafening headsets) when using your firearm. You should also wear eye protection when disassembling and cleaning your firearm to ensure that cleaning solvents and parts under tension do not come into contact with your eyes.

8. BE SURE THE BARREL IS CLEAR OF OBSTRUCTIONS BEFORE SHOOTING.

Discharging a firearm with an obstruction in the barrel can result in personal injury, property damage or death. Before you load your firearm, check the chamber and magazine to ascertain that no ammunition is inside. Also, check the inside of the bore to ensure it is free of obstructions. Even a small amount of mud, snow or excess lubricating oil or grease in the bore can cause excessive pressures resulting in a bulged or burst barrel which can injure or kill the shooter and bystanders. It is a good idea to make a habit of cleaning the bore and checking for obstructions with a cleaning rod just before each shooting session. If the noise or recoil experienced upon firing seems low or weak, or something doesn't feel "right," cease firing immediately, release the magazine, clear the firearm's chamber, engage the firearm's safety, and check to make sure that there is no obstruction in the barrel.

10. LEARN THE MECHANICS AND HANDLING CHARACTERISTICS OF THE FIREARM.

This manual should be read prior to usage of the firearm. Not all firearms are the same and as such the method of handling the firearms will vary with the mechanical characteristics of the firearm. Anyone who plans to use a firearm should first become completely familiar with the type of firearm and the safe handling procedures for loading, unloading, carrying, shooting, and storage.

9. DO NOT ALTER OR MODIFY YOUR FIREARM AND HAVE IT REGULARLY SERVICED.

Your firearm has been designed to operate according to certain factory specifications. **Modification of the mechanical components of your firearm will void your warranty.** Additionally, modification may jeopardize the safety of yourself and others.

As a mechanical device your firearm is subject to wear and must be maintained and periodically serviced to ensure optimum performance and safety. Only a qualified service provider should service, repair, or modify your firearm. Contact Retay to arrange for servicing of your firearm by Retay or one of its authorized repair centers.

Proper cleaning and lubrication are important to ensure firearm reliability, accuracy, and safety. Before cleaning always make sure the firearm is unloaded checking both the chamber and magazine. Make it a practice to clean your firearm after every use. Additionally, you should clean the barrel from the chamber end to muzzle prior to usage. If your firearm has been stored for a long time without use be sure to clean and lubricate the firearm. Cleaning is also important following exposure to conditions such as rain, dirt, mud, snow, sleet, or saltwater. Do not overlubricate your firearm.

11. DO NOT UNDER ANY CIRCUMSTANCES OPERATE THIS FIREARM WHILE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.

Do not handle firearms after consumption of alcohol or taking drugs that can affect your mental or physical state as you cannot handle a firearm safely while under the influence. If you are taking prescription medication seek your doctor's advice to be sure that you are able to handle and shoot a firearm safely.

12. WARNING; LEAD EXPOSURE.

Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, cancer and other serious injury. Have adequate ventilation at all times when shooting. Wash hands thoroughly after exposure.

Most ammunition and cartridge primers contain lead, which is a toxic (poisonous) substance! With most types of ammunition, shooting a firearm produces vapor and particles of lead, which is a toxic (poisonous) substance. Especially (but not only) in poorly ventilated range areas, breathing air which contains the lead vapor and particles is harmful to one's health, and can result in lead poisoning. Pregnant women, unborn fetuses, nursing mothers, infants and young children are especially susceptible to the risks of lead ingestion. Handling, firing and cleaning firearms, and handling ammunition, empty cartridge cases, target frames and other range equipment can deposit lead on one's hands and face, which can then be ingested (swallowed) if one drinks, eats or chews gum or tobacco products without first washing the hands and face. Lead poisoning can result in brain damage, nervous system disorders, digestive ailments, birth defects, and other serious physical effects or death. Shoot only in well ventilated areas. Minimize the period of time you remain on indoor shooting ranges, leaving when you are done firing. Do not eat, drink, chew, smoke, or engage in any other hand-to-mouth activity while shooting. Wash the hands and face thoroughly with soap and cool water as soon as you are finished shooting, and before eating or drinking. Do not collect fired brass in your hat, or put fired brass in your pockets. When you return from shooting, especially on an indoor range, change and wash your clothing. Do not allow children to handle or play with fired cases, shooting equipment, range bags, or shooting clothing. Consider using rubber gloves when cleaning firearms, to prevent lead and solvent from being absorbed into your skin. Wash thoroughly with soap and cool water after cleaning firearms. Take proper precautions if you reload ammunition or cast lead bullets. If you notice any symptoms or believe you may have been exposed to excessive amounts of lead, consult your physician.

13. RECEIVE INSTRUCTION IN FIREARM USAGE.

No manual can provide you with the benefits of firearms instruction by a properly qualified individual. If you are not an experienced firearms user you should obtain training in the safe and proper use of firearms by attending one of the many safety and shooting courses offered by the National Rifle Association, gun clubs and ranges, gun shops, shooting schools, or other qualified source of instruction.

14. BE MINDFUL OF SQUIB CARTRIDGES

WARNING! If you experience a weak report (weak gunshot sound) or light recoil upon firing, you may have fired a "squib" (underpowered) cartridge, which may have left a bullet or wad lodged in the barrel. STOP FIRING IMMEDIATELY. Engage the safety button by moving it to "Safe". "Clear" (unload) the firearm, leaving the safety button on "Safe", the firearms unloaded and cartridge drop lever pressed. Then field strip the firearm and look through the bore from the rear to be sure it is unobstructed. If the bore is unobstructed, you may reassemble and load the firearm and continue firing. If there is an obstruction in the bore, the firearm should be taken to a qualified gunsmith or certified armorer, or returned to the factory, for the obstruction to be removed and the barrel to be inspected for damage before continuing to use the firearm. NEVER attempt to "shoot out" an obstruction by firing another cartridge, even a cartridge from which the bullet has been removed, in the firearm. Damage to the firearm, serious injury or death could be the result!

Introduction

Retay is proud to introduce the RA 15-22 line of rimfire rifles, a result of meticulous development by Retay's Research and Development Center and the company's longstanding experience in firearms design and precision engineering.

Warranty

Warranty terms are given in the warranty certificate. Retay will not be held responsible for consequential damage derived from the use of improper ammunition, lack of maintenance, or from accidents resulting from misuse of the arm.

WARNING: The use of non-Retay originals parts on the arm voids the warranty.

WARNING! If you experience a weak report (weak gunshot sound) or light recoil upon firing, you may have fired a "squib" (underpowered) cartridge, which may have left a bullet or wad lodged in the barrel. **STOP FIRING IMMEDIATELY.** Engage the safety button by moving it to "Safe". "Clear" (unload) the firearm, leaving the safety button on "Safe", the firearms unloaded and cartridge drop lever pressed. Then field strip the firearm and look through the bore from the rear to be sure it is unobstructed. If the bore is unobstructed, you may reassemble and load the firearm and continue firing. If there is an obstruction in the bore, the firearm should be taken to a qualified gunsmith or certified armorer, or returned to the factory, for the obstruction to be removed and the barrel to be inspected for damage before continuing to use the firearm. **NEVER** attempt to "shoot out" an obstruction by firing another cartridge, even a cartridge from which the bullet has been removed, in the firearm. Damage to the firearm, serious injury or death could be the result!

AMMUNITION

WARNING! NEVER USE AMMUNITION NOT SPECIFICALLY DESIGNATED FOR USE IN YOUR FIREARM. FAILURE TO USE THE CORRECT TYPE OR CALIBER OF AMMUNITION MAY CAUSE THE FIREARM TO JAM, FAIL TO FIRE, OR MAY GENERATE EXCESSIVE PRESSURE WHICH CAN DAMAGE OR EVEN RUPTURE YOUR FIREARM, CAUSING PERSONAL INJURY OR DEATH TO THE SHOOTER AND/OR BYSTANDERS.

- ✓ Look just above the trigger to find the cartridge designation. This indicates the exact ammunition that must be used in this firearm. (FIGURE 1).
- ✓ Using ammunition that meets industry standards and is appropriate in type and caliber for this firearm is your responsibility.
- ✓ Never use different types of ammunition at the same time.

WARNING: IN SOME CASES, A ROUND OF AMMUNITION NOT SPECIFIED ON YOUR FIREARM AND NOT LISTED AS ALTERNATE AMMUNITION IN THIS MANUAL MAY FIT INTO THE CHAMBER. FIRING THIS AMMUNITION MAY CAUSE A RUPTURE, RESULTING IN PERSONAL INJURY OR DEATH TO THE SHOOTER AND/ OR BYSTANDERS AND DAMAGE TO PROPERTY.

FOR MORE INFORMATION REGARDING GENERALLY ACCEPTED FIREARMS AND AMMUNITION INTERCHANGEABILITY, AS PUBLISHED BY SPORTING ARMS AND AMMUNITION MANUFACTURERS' INSTITUTE (SAAMI), FIND IT AT [HTTPS://SAAMI.ORG](https://saami.org)



WARNING: ALWAYS INSPECT YOUR AMMUNITION BEFORE USING IT. NEVER USE DIRTY, CORRODED OR DAMAGED AMMUNITION. A BURST CARTRIDGE OR BORE OBSTRUCTION MAY RESULT CAUSING DAMAGE TO THE FIREARM AND PERSONAL INJURY OR DEATH TO THE SHOOTER AND/OR BYSTANDERS.

- ✓ You must use ammunition that has been commercially manufactured with internal ballistic pressures that adhere to specifications of the Sporting Arms and Ammunition Manufacturers' Institute (SAAMI). If you are uncertain, contact your ammunition supplier.

WARNING: NEVER USE NON STANDARD, RELOADED OR "HANDLOADED" AMMUNITION WHICH HAS NOT BEEN SUBJECTED TO INTERNAL BALLISTIC PRESSURE TESTING.

RELOADED OR HANDLOADED AMMUNITION, MAY HAVE MANY MANUFACTURING AND QUALITY VARIABLES (SUCH AS THE TYPE AND AMOUNT OF GUN POWDER). CARTRIDGE CASES THAT HAVE BEEN RELOADED AND FIRED MULTIPLE TIMES MAY SUFFER PHYSICAL DAMAGE WHICH COULD SIGNIFICANTLY IMPACT OR REDUCE THE INTEGRITY OF THE CARTRIDGE, POSSIBLY RESULTING IN BULLET SETBACK OR UNSEATING. CASE FAILURE AND INJURY TO THE SHOOTER OR BYSTANDERS AND DAMAGE TO THE FIREARM MAY RESULT WHEN SUCH A ROUND IS FIRED. ANY AMMUNITION THAT IS IMPROPERLY MANUFACTURED OR RELOADED, EVEN IN THE SLIGHTEST DEGREE, MAY FAIL TO FIRE OR MAY GENERATE EXCESSIVE INTERNAL PRESSURES WHICH CAN DAMAGE OR EVEN RUPTURE THE FIREARM, CAUSING PERSONAL INJURY OR DEATH TO THE SHOOTER OR THOSE IN THE IMMEDIATE VICINITY.

- Regular cleaning and the use of high-quality ammunition is important to the performance and maintenance of your rifle. This is especially true with .22 rimfire caliber rifles. There is a wide range of .22LR ammunition made by various manufacturers in different brands and types. When reviewing suppliers, Retay has found a vast array of differences in primer sensitivity and other traits with some brands and types of .22LR ammunition.

- Although it is not a common occurrence, some new firearms experience “Failure to Fire” or other issues. To help determine the reliability of ignition and performance of your ammunition, Retay suggests that you fire several boxes of a high quality brand of ammunition through your RA15-22 before you put it into regular use.

- Please call Retay Arms Customer Service at 800-977-5749 if you have any questions regarding ammunition and maintenance of your RA 15-22 rifle.

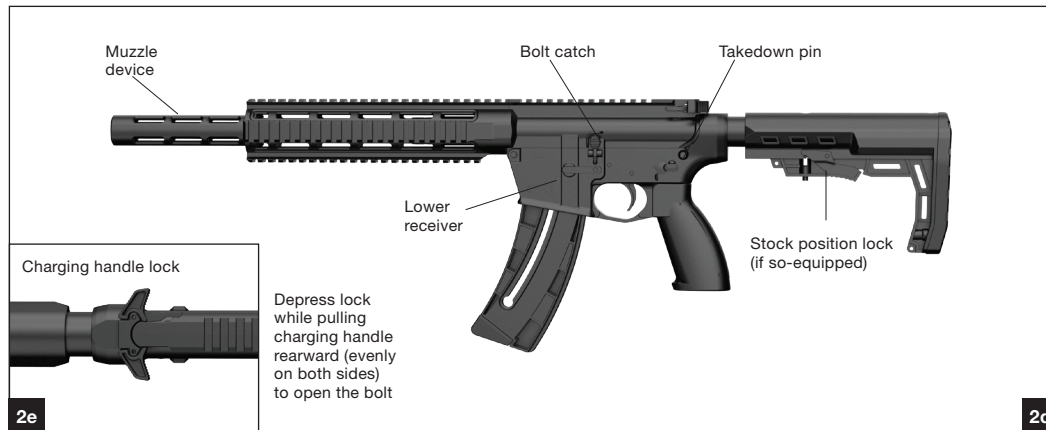
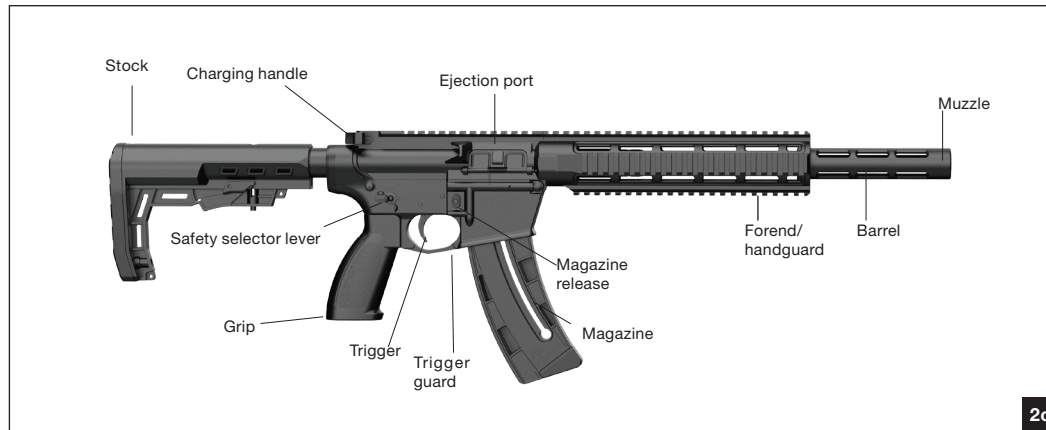
- Your firearm and the ammunition are a system that must work together. Your rifle has been designed for ammunition of a specific type and caliber which makes it important to select the proper ammunition for use with your rifle.

WARNING: INJURY OR DEATH AND PROPERTY DAMAGE CAN RESULT FROM THE USE OF INCORRECT AMMUNITION OR BORE OBSTRUCTIONS. NEVER USE RELOADED AMMUNITION THAT HAS NOT BEEN SUBJECTED TO INTERNAL BALLISTIC PRESSURE TESTING.

WARNING: DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER EXPOSURE.

WARNING: NEVER APPLY LUBRICANTS OR CLEANER DIRECTLY ONTO AMMUNITION. APPLYING LUBRICANT OR CLEANER TO AMMUNITION CAN CONTAMINATE THE AMMUNITION AND RESULT IN A SQUIB LOAD. A SQUIB LOAD CAN RESULT IN A BORE OBSTRUCTION WHEN THE BULLET BECOMES LODGED IN THE BORE. INJURY OR DEATH TO THE SHOOTER OR BYSTANDERS AND DAMAGE TO PROPERTY COULD RESULT WHEN A SUBSEQUENT ROUND IS FIRED.

MODEL AND FEATURES IDENTIFICATION



INSPECTING YOUR RIFLE

WARNING: ALWAYS ENSURE THAT THE FIREARM IS UNLOADED BEFORE INSPECTING, DISASSEMBLING, ASSEMBLING OR CLEANING AND ALWAYS KEEP THE MUZZLE OF THE FIREARM POINTED IN A SAFE DIRECTION.

WARNING: NEVER RELY ON MECHANICAL FEATURES ALONE. ONLY YOUR SAFE FIREARM HANDLING WILL ENSURE THE SAFE USE OF YOUR FIREARM. THIS IS YOUR RESPONSIBILITY.

- Your firearm comes from the factory with an empty chamber flag (FIGURES 3 and 4) to indicate there is no cartridge in the chamber. This flag should be removed during the inspection process.

- Confirm your firearm is unloaded by grasping the rifle with your finger off the trigger and outside the trigger guard.

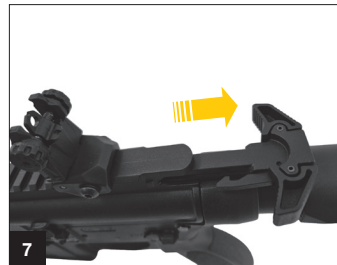
- To remove a magazine, point the muzzle in a safe direction and press the magazine release (FIG. 5) in and pull magazine down (FIG. 6) and out of the rifle. Set the magazine safely aside.

- Depress the charging handle lock (FIGURE 7) to allow the charging handle to be pulled rearward.

- Pull both sides of the charging handle all the way back (FIGURE 8).

- Hold the charging handle all the way back to keep the bolt open.

- To lock the bolt in the open position, press and hold the lower portion of the bolt catch (FIGURE 9 on the next page) while allowing the charging handle to move slightly forward.



- FIGURE 9 shows the bolt catch that helps lock the charging handle.

- With the bolt locked in the open position, return the charging handle fully forward until the lock engages the notch in the receiver.

- With the bolt locket open, remove the chamber flag from the rifle (FIGURE 10) and set it safely aside.

- As shown in FIGURE 11, it is important to rotate the safety selector lever.

NOTE: If the safety selector does not rotate to the “SAFE” position, DO NOT attempt to force it into “SAFE” position. With the muzzle pointed in a safe direction, remove the magazine (if there is one inserted in the firearm) and lock your bolt open as instructed in these steps. Before you continue, rotate the safety selector to “SAFE”.

- Make sure there are no cartridges in the chamber by inspecting the open ejection port (FIGURE 12).

- It is critical that these precautions be followed every time a firearm leaves your hand, is cleaned, handed to you or another person, transported or stored.

CAUTION: It is critical that your RA15-22 is never dry-fired as this may cause damage to your rifle.

- To unload a magazine that may have been previously loaded, hold the magazine with the bullet end of the cartridge pointing away from you and pressing each cartridge forward and out of the magazine (FIG. 13)



PREPARATION FOR FIRING

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

- ALWAYS TREAT ALL FIREARMS AS IF THEY ARE LOADED.

- ALWAYS BE SURE THAT ALL ACTIONS OF FIREARMS ARE OPEN, THAT THE CHAMBER IS CLEAR OF CARTRIDGES AND THE MAGAZINE IS REMOVED OR UNLOADED, AND THAT FIREARM IS POINTING IN A SAFE DIRECTION.

- ALWAYS KEEP FINGERS AND OTHER PARTS OF YOUR BODY AWAY FROM THE MUZZLE AND AWAY FROM THE EJECTION PORT.

- ALWAYS WEAR ADEQUATE AND PROPER HEARING PROTECTION SPECIFIED FOR FIREARM USE TO PREVENT PERMANENT DAMAGE TO YOUR HEARING. Make sure others who are nearby are wearing hearing protection as well.

- ALWAYS WEAR SAFETY GLASSES SPECIFIED FOR FIREARM USE, WHETHER INDOORS OR OUT. Safety glasses should protect your eyes from the firing flash and particles associated with the discharge of ammunition. Failure to do so creates a risk of personal injury from particle or debris spitting or from a ricochet.

- ALWAYS BE ALERT AND ALWAYS FOLLOW THE SAFETY INSTRUCTIONS OF THE RANGE OFFICER. Never shoot if you are tired, cold or impaired in any way.

- ALWAYS BE AWARE OF OTHER PEOPLE SO THAT PERSONS DO NOT ACCIDENTALLY WALK INTO THE LINE OF FIRE.

- THE SHOOTER (AND ALL OTHERS IN THE SHOOTING AREA) MUST ALWAYS BE IN A POSITION THAT IS OUT OF THE LINE OF FIRE AND ARE NOT WITHIN AN AREA WHERE THEY MAY BE STRUCK BY A RICOCHET OR PARTICLES SPITTING FROM A FIREARM, OR BY EJECTED CASES

FROM SOME TYPES OF FIREARMS.

- NEVER SHOOT AT SURFACES THAT MAY CAUSE A RICOCHET. Always select a place to shoot that has a safe backstop, is free from obstructions and has no surfaces which may cause a ricochet.

- NEVER FIRE RANDOMLY INTO THE SKY. Always select a place to shoot that has a safe backstop.

- NEVER USE ALCOHOL OR DRUGS BEFORE OR WHILE SHOOTING OR HANDLING ANY FIREARM.

LOADING

WARNING: ALWAYS KEEP THE MUZZLE OF THE FIREARM POINTED IN A SAFE DIRECTION

- You must read and fully understand this manual before loading your rifle.
- The rifle should not be loaded until you are ready to use it. Practice safe gun handling and keep your finger off the trigger and outside the trigger guard until you are ready to fire.
- Only load your firearm once you are sure of your target, what is beyond it and are fully prepared to fire.
- As you hold the firearm be careful to keep your finger off the trigger and outside the trigger guard.
- Remove the magazine by pressing the magazine release (FIGURE 14).
- The magazine that is included with your Retay firearm is designed to operate in your specific model. Although this magazine may fit other model firearms, it will only function properly in the specific model for which it was designed. Avoid using this specific magazine in other model rifles.
- Follow all instructions in this or any other documents for the magazine. Your firearm may malfunction if the specific Retay supplied magazine is not used in your model and caliber rifle.

- Grip magazine as shown with your thumb (FIGURES 15, 16 and 17). Hold the follower down by using the loading assist button. To help keep the cartridges aligned, hold the follower down just enough for only one round to be added at a time. Feed each round into the magazine until it is held by the magazine lips and is against the rear of the magazine. Place the next round on top of the previous round and repeat until the magazine is full.
- Do not attempt to load your magazine beyond its capacity.



14



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LOADING ASSIST BUTTON



16

Hold Loading Assist Button down



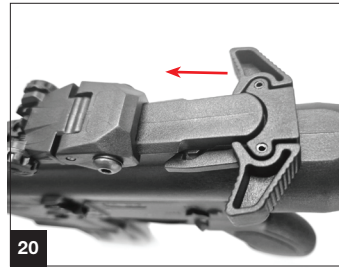
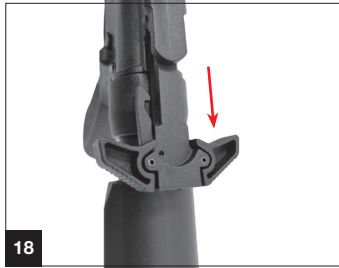
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- To lock the bolt in the open position, pull the charging handle all the way back (FIG.18) and press the bottom of the bolt catch down (FIG.19). Release pressure on the charging handle.
- Return charging handle fully forward until it locks and remove finger from bolt catch (FIGURE 20).

- Set safety selector lever to “SAFE” (FIGURE 21).
- Install the magazine by orienting the cartridges as shown (FIG. 22) and inserting the magazine into the magazine well (FIG.s 23a and 23b) until it is securely locked. Pull downward on the magazine to confirm it is in place.

WARNING: THIS FIREARM MAY DISCHARGE WHEN A ROUND IS FED INTO THE CHAMBER, IF IT IS DROPPED OR RECEIVES A BLOW TO THE MUZZLE OR FRONT OF THE FIREARM. (THIS CAN OCCUR REGARDLESS OF THE POSITION OF THE HAMMER OR ANY OF THE VARIOUS SAFETY DEVICES.) THEREFORE, EXTRA CARE AND STRICT ADHERENCE

TO THESE INSTRUCTIONS BY THE FIREARM USER IS MANDATORY FOR MINIMIZING THE RISK OF ACCIDENTS



WARNING: ALWAYS KEEP THE MUZZLE OF THE FIREARM POINTED IN A SAFE DIRECTION WHEN RELEASING THE BOLT.

- Hold the rifle and practice good safety. Make sure your finger is off the trigger and outside the trigger guard.
- With the muzzle pointed in a safe direction, press the top of the bolt catch in (FIGURE 24). This will cause the bolt to release and move forward and feed a round from the magazine to the chamber. Use caution as this means the rifle is now loaded and will fire. if the safety selector lever is set on “FIRE” and the trigger is pulled.

- If a round jams in the chamber and does not allow the bolt to completely close, the bolt must be opened and the round removed. See the Clearing Jams section in this manual on (page 19).

WARNING: IF THE CARTRIDGE FAILS TO STRIP FROM THE MAGAZINE OR FULLY SEAT INTO THE CHAMBER, IMMEDIATELY STOP THE LOADING PROCESS. REMOVE THE MAGAZINE, LOCK THE ACTION OPEN AND VERIFY THAT THE CHAMBER IS EMPTY. REFER TO THE “INSPECTING YOUR FIREARM” SECTION OF THIS MANUAL (PAGE 13).

WARNING: ALWAYS LOAD A ROUND INTO THE CHAMBER BY FEEDING IT FROM THE MAGAZINE. NEVER ATTEMPT TO LOAD THE FIREARM BY INSERTING A ROUND INTO THE OPEN EJECTION PORT. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN SEVERE INJURY OR DEATH TO YOU OR OTHERS.

WARNING: NEVER STRIKE OR DROP THE FIREARM. DOING SO MAY CAUSE A ROUND TO CHAMBER AND POSSIBLY DISCHARGE.

WARNING: THIS RA 15-22 RIFLE WILL FIRE WITH THE MAGAZINE REMOVED. KEEP YOUR FINGER OFF THE TRIGGER AND OUTSIDE THE TRIGGER GUARD UNTIL YOU HAVE MADE THE COMMITMENT TO FIRE.



FIRING

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

WARNING: WEAR EYE AND HEARING PROTECTION SPECIFIED FOR FIREARM USE EVERY TIME YOU DISCHARGE YOUR FIREARM. MAKE SURE OTHERS IN THE VICINITY OF WHERE YOU WILL BE SHOOTING DO SO AS WELL.

- Properly hold the rifle with one hand on the handguard and the other hand on the firearm grip with the index finger resting along the outside of the trigger guard. Raise the rifle and press the butstock against your shoulder in anticipation of kickback. (FIGURE 25).
- Move safety selector to “FIRE” (FIGURE 26).

- As you prepare to fire, keep steady aim, gently exhale and give an easy squeeze to the trigger until the rifle fires. The firearm will immediately reload.
- If you wish to continue firing, simply pull and fully release the trigger until the magazine becomes empty.

- To stop firing you need to release the trigger, remove your finger from the trigger guard (FIGURE 27) and set the safety selector to “SAFE” (FIGURE 28). Once the last round has been fired and the magazine is empty, the bolt will stay in the rearward position. This is to allow the rifle to be reloaded by replacing the magazine with a loaded one, or the chamber can be inspected to ensure that the rifle is empty.



HANGFIRES AND MISFIRES

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

WARNING: WEAR EYE AND HEARING PROTECTION SPECIFIED FOR USE WITH FIREARMS WHEN FIRING AND CLEARING MISFIRES OR MISFEEDS.

WARNING: KEEP YOUR FACE A

SAFE DISTANCE FROM THE EJECTION PORT WHEN CLEARING A CARTRIDGE. IF A CARTRIDGE IGNITES WHILE BEING CLEARED FROM THE FIREARM, INJURY OR DEATH MAY RESULT.

WARNING: IF YOUR FIREARM GIVES ANY INDICATION THAT IT IS NOT PERFORMING PROPERLY OR

THE OPERATION OF YOUR FIREARM HAS CHANGED “THE WAY IT FEELS OR SOUNDS”, STOP FIRING. MAKE SURE THE MUZZLE IS POINTED IN A SAFE DIRECTION, UNLOAD THE FIREARM AND HAVE IT INSPECTED AND TEST FIRED BY A GUNSMITH QUALIFIED TO PERFORM SERVICES ON RETAY FIREARMS.

NOTE: In the case of either a hangfire or misfire, keep the muzzle pointed in a safe direction and your finger off the trigger. Wait 60 seconds, then press the magazine release button (FIGURE 29) and remove the magazine from the firearm (FIGURE 30).

Proceed to clear the unfired cartridge from the chamber.



FIRING

• A **HANGFIRE** is described as a noticeable delay between the impact of the firing pin on the primer of the cartridge and the actual discharge of the firearm. This is generally caused by defective or damaged ammunition.

• If there is a delayed ignition from a cartridge, immediately stop and investigate. Point the muzzle in a safe direction, remove the magazine and unload the rifle. The rest of the similar ammunition should be inspected. If it has been contaminated or damaged it must be disposed of properly.

• A **MISFIRE** is the failure of the chambered cartridge to fire at all after the trigger has been pulled. This is generally caused by defective or damaged ammunition or a dirty or fouled firearm.

• Keep your rifle clean. A dirty or fouled firearm can lead to a weakened primer strike, which may cause a misfire. If you find a light indent on the primer of a misfired cartridge, unload the firearm and clean it as instructed in the Cleaning and Maintenance section of this manual (page 28). A cartridge that does not go off is called a “dud” and needs to be removed from the rifle.

• To lock the bolt in the open position, pull the charging handle all the way back (FIGURE 31) and then press the lower portion of the bolt catch in. Let the bolt move forward against the bolt catch (FIGURE 32). Remove your finger from the bolt catch and return the charging handle fully forward to lock it.

• Rotate the safety lever to the **SAFE** position (FIGURE 33).

• Visually check the chamber to be sure no cartridges are present (FIGURE 34).

• Before you use your rifle again it needs to be inspected and cleaned.

• Carefully inspect your ammunition. Damaged or defective rounds should be disposed of properly.



CLEARING A MISFEED/JAM

NOTE: Any autoloading firearm may, on occasion, fail to feed a cartridge properly from the magazine and into the chamber. If this should occur:

WARNING: KEEP YOUR FACE A SAFE DISTANCE FROM THE EJECTION PORT WHEN CLEARING A MISFED/JAMMED CARTRIDGE. A CARTRIDGE MAY IGNITE IF THE PRIMER OF THE CARTRIDGE IS STRUCK WITH SUFFICIENT FORCE. IF A CARTRIDGE IGNITES WHILE BEING CLEARED FROM THE FIREARM, INJURY OR DEATH MAY RESULT.

TO CLEAR A MISFEED (“JAM”)

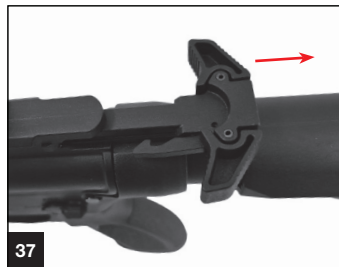
- Practice safe habits. Be sure the muzzle is pointed in a safe direction.
- Press the magazine release (FIGURE 35) and remove the magazine (FIGURE 36).
- Lock the bolt open by pulling the charging handle back (FIGURE 37) and engage the bolt stop (FIGURE 38).

NOTE: Drawing the bolt fully to the rear should allow clearance for the jammed cartridge to fall free and clear of the firearm.

- Rotate the safety lever into the “SAFE” position (FIGURE 39).

- If you need to manually remove a jammed cartridge, DO NOT use metal to clear the jam. Only use wood or plastic “tools” such as a pointed dowel or a pencil. Use extreme caution to avoid striking the primer on the end of the cartridge.
- Inspect your rifle and visually confirm that all cartridges have been removed.
- After you clear the misfed cartridge, load the rifle as detailed in the Loading section of this manual (page 13).

- Dispose of defective cartridge(s) in a method specifically approved for live round disposal.



UNLOADING

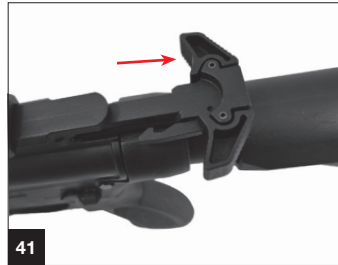
WARNING: ALWAYS KEEP THE MUZZLE OF THE FIREARM POINTED IN A SAFE DIRECTION.

- Press magazine release in and remove the magazine (FIGURE 40).

NOTE: When the last round has been fired, the bolt will be held to the rear, provided the empty magazine is in place.

- Any rounds remaining in the chamber need to be removed. Do so by pulling the charging handle to the rear (FIGURE 41) and pushing in the lower portion of the bolt catch (FIGURE 42).
- Set safety selector lever to "SAFE" (FIGURE 43).
- It is important that the chamber is clear. Visually confirm the chamber is empty by looking through the ejection port (FIGURE 44).

- To safely remove remaining live rounds from the magazine, slide them forward and out of the magazine (FIGURE 45).
- Do not leave any live rounds behind. Collect them for safe storage. Properly dispose of the spent cartridges.



DISASSEMBLY / FIELD STRIPPING

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

WARNING: ALWAYS ENSURE THAT THE FIREARM IS UNLOADED BEFORE INSPECTING, DISASSEMBLING OR ASSEMBLING.

WARNING: WEAR SAFETY GLASSES THAT ARE SPECIFIED FOR USE WITH FIREARMS EVERY TIME YOU DISASSEMBLE OR ASSEMBLE YOUR FIREARM.

WARNING: NEVER DISASSEMBLE YOUR FIREARM BEYOND THE DISASSEMBLY / FIELD STRIP-

PING PROCEDURE DETAILED IN THIS MANUAL, OR PERFORM ANY MAINTENANCE, ADJUSTMENT, OR SERVICE NOT SPECIFIED. IMPROPER DISASSEMBLY AND REASSEMBLY OF YOUR FIREARM MAY LEAD TO INJURY OR DEATH OF THE SHOOTER AND/OR BYSTANDERS AND DAMAGE TO PROPERTY.

WARNING: NEVER MODIFY OR SWAP OUT ANY OF THE COMPONENTS OF YOUR RETAY FIREARM, UNLESS SPECIFICALLY INSTRUCTED TO DO SO IN THIS MANUAL OR IN AN OFFICIAL RETAY AC-

CESSORY PARTS MANUAL OR INSTRUCTION SHEET. CHANGES NOT COVERED IN THIS MANUAL OR IN A RETAY INSTRUCTION SHEET WILL REQUIRE A QUALIFIED GUNSMITH (OR FACTORY TRAINED PERSONNEL) USING FACTORY AUTHORIZED PARTS. IMPROPER MANIPULATION OF ANY COMPONENT OF THE FIREARM MAY RESULT IN FAULTY FUNCTIONING, POSSIBLY LEADING TO INJURY OR DEATH OF THE SHOOTER AND/OR BYSTANDERS AND DAMAGE TO PROPERTY.

- Practice firearm safety by making sure the magazine is removed and that the firearm is not loaded (FIGURE 46).

- Push the top of the bolt release to ensure that the bolt is in the forward position (FIGURE 47).

- Push in the take down pin (FIGURE 48) from left of lower receiver and pull the pin out on the right of the receiver until it comes to a positive stop (FIGURE 49).



DISASSEMBLY / FIELD STRIPPING

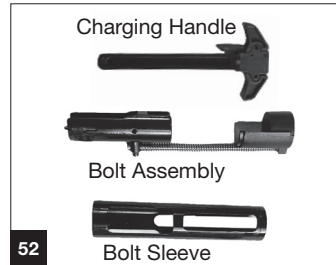
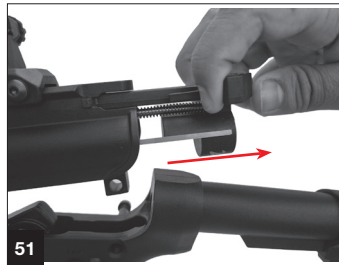
• Pivot lower receiver down and away from upper receiver (FIGURE 50).

NOTE: As you begin to disassemble the firearm, there may be some initial resistance as you separate the parts.

CAUTION: DO NOT dry fire the firearm while it is disassembled. Damage may occur to your rifle.

• Remove the bolt assembly and the metal sleeve that the bolt assembly travels in by pulling the charging handle to the rear. This action will also remove the charging handle (FIG. 51).

• The charging handle, bolt assembly and bolt sleeve are shown in FIGURE 52.



ASSEMBLY

WARNING: ALWAYS ENSURE THAT THE FIREARM IS UNLOADED BEFORE INSPECTING, DISASSEMBLING OR ASSEMBLING.

WARNING: ALWAYS WEAR EYE PROTECTION THAT IS SPECIFIED FOR USE WITH FIREARMS EVERY TIME YOU HANDLE YOUR FIREARM FOR CLEANING AND MAINTENANCE.

WARNING: NEVER MODIFY OR SWAP OUT ANY OF THE COMPONENTS OF YOUR RETAY FIREARM, UNLESS SPECIFICALLY INSTRUCTED TO DO SO IN THIS MANUAL

OR IN AN OFFICIAL RETAY ACCESSORY PARTS MANUAL OR INSTRUCTION SHEET. CHANGES NOT COVERED IN THIS MANUAL OR IN A RETAY INSTRUCTION SHEET WILL REQUIRE A QUALIFIED GUNSMITH (OR FACTORY-TRAINED PERSONNEL) USING FACTORY-AUTHORIZED PARTS. IMPROPER MANIPULATION OF ANY COMPONENT OF THE FIREARM MAY RESULT IN FAULTY FUNCTIONING, POSSIBLY LEADING TO INJURY OR DEATH OF THE SHOOTER AND/OR BYSTANDERS AND DAMAGE TO PROPERTY.

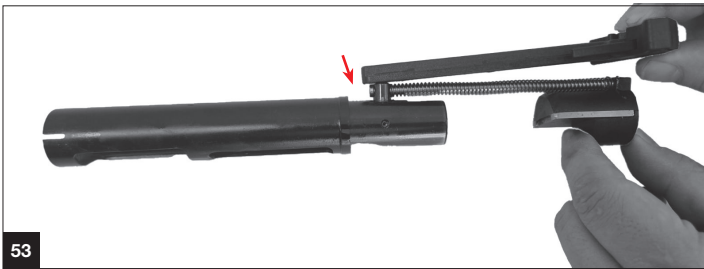
- Use a lint free cloth dampened with a high quality gun oil to wipe the gun and lubricate the metal parts. Use a second cloth to remove the excess oil and leave a light film on all of the rifle's metal surfaces - inside and out.

- Assemble your rifle in the reverse order that you took it apart.

- Just before placing the bolt back on the upper receiver, add the charging handle back on the bolt. (FIGURE 53).

- Prior to sliding the bolt into the upper receiver (FIGURE 54), the bolt must be oriented as shown and the charging handle must be partially inserted into the upper receiver slot.

- As you push the bolt assembly into the back section of the upper receiver, make sure it is pushed in far enough to clear the lower receiver and close. Finish by pushing the take down pin back into place.



COLLAPSIBLE STOCK IF SO-EQUIPPED

WARNING: ENSURE THAT THE RIFLE IS UNLOADED BEFORE ANY ADJUSTMENT PROCEDURE IS ATTEMPTED.

• This rifle's stock is able to extend and collapse. To extend the stock, depress the lever (FIGURE 56) and pull the stock out until it locks into the desired position.

• To collapse the buttstock, use the same lever (FIGURE 56) and push the stock forward to lock into the desired position.

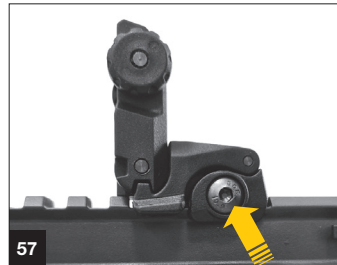
SIGHT REMOVAL IF SO-EQUIPPED

WARNING: ALWAYS ENSURE THAT THE FIREARM IS UNLOADED BEFORE ANY ACCESSORY IS ADDED OR REMOVED.

REMOVE SIGHT TO ALLOW FOR INSTALLATION OF DIFFERENT

• Remove the current sight by loosening the 5mm screw on the side of the sights. (FIGURES 57 and 58)

NOTE: The mounting rail on the top of the rifle will accept nearly any Weaver-style or Picatinny style scope rings or sight base



SIGHT ADJUSTMENT IF SO-EQUIPPED

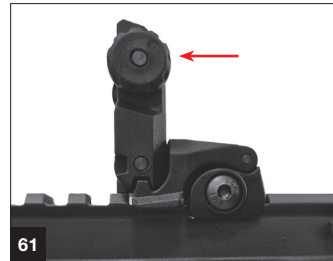
WARNING: ENSURE THAT THE RIFLE IS UNLOADED BEFORE ANY ADJUSTMENT PROCEDURE IS ATTEMPTED.

- Your rifle comes equipped with the springloaded, folding rear sight (FIGURE 59) that has a dual aperture rear sight that is adjustable for windage (FIGURE 61). Turn the knob right to change the bullet impact to the right. The sight flips up by pressing the tab from either side or by pressing the central area on top (FIGURE 60). The sign can be folded with either the large or small aperture in position.

- The springloaded, folding front sight (FIGURE 62) is adjustable for elevation. It flips up by pressing the tab from either side or by pressing the central area on top. Use the included elevation adjustment tool to turn the sight post (clockwise as viewed from top) down to raise the impact of the bullets' on target and counterclockwise (up) to lower the bullets' impact on target (FIGURE 62).

DUAL APERTURE REAR SIGHT

- Flip the smaller opening aperture up into position (FIGURE 63) or forward (down) to use the larger opening, to deploy the dual aperture rear sight. Use the larger aperture for normal range firing. Use the small aperture for longer range precision firing (FIGURES 64 and 65).



MAGAZINE

WARNING: WEAR SAFETY GLASSES THAT ARE SPECIFIED FOR USE WITH FIREARMS EVERY TIME YOU DISASSEMBLE OR ASSEMBLE YOUR MAGAZINE.

WARNING: THE MAGAZINE SPRING IS UNDER PRESSURE. CONTROL THE SPRING AND THE FLOOR PLATE RETAINER SO THAT THEY DO NOT FLY OUT AND CAUSE INJURY

• The parts of the 10 and 25-round magazine with loading assist button is shown in FIGURE 66.

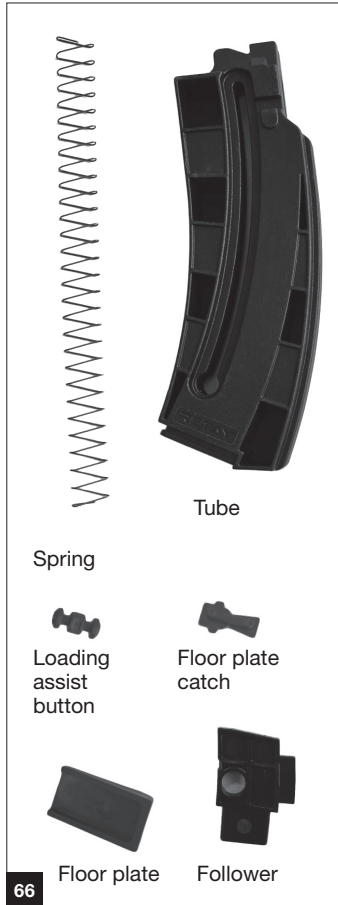
MAGAZINE DISASSEMBLY

• Carefully depress the floor plate catch through the hole in the floor plate (FIGURE 67) using a pointed object (such as a pen tip).

• As you press and hold the floor plate catch down (FIGURE 67), slide the floor plate off of the tube (FIGURE 68).

• Because the magazine spring is under pressure you need to be careful and control the spring and the floor plate retainer so they do not fly out and cause injury (FIGURE 69).

• Remove floor plate catch, the spring and the follower out through bottom of the magazine tube.



MAGAZINE ASSEMBLY

- Reference FIGURE 70 to install the follower into the magazine tube.
- Reference FIGURE 71 to orientate the follower so the hole is able to install the loading assist button.
- As you install the loading assist button, make sure it is centered within the magazine tube. Finish by sliding the follower up the tube to connect with the loading assist button.

- As you begin this step, remember that you will be working against slight pressure from the magazine spring. Hold down the floor plate catch in the tube and slide the floor plate onto the tube's base. This will allow the round projection of the floor plate catch to engage the floor plate and lock into place (FIGURE 73).



70



71



72



73

CLEANING AND MAINTENANCE

WARNING: ENSURE THAT THE FIREARM IS UNLOADED BEFORE BEGINNING TO CLEAN IT. ALWAYS KEEP THE MUZZLE OF THE FIREARM POINTED IN A SAFE DIRECTION.

WARNING: ALWAYS WEAR EYE PROTECTION THAT IS SPECIFIED FOR USE WITH FIREARMS EVERY TIME YOU HANDLE YOUR FIREARM FOR CLEANING AND MAINTENANCE.

WARNING: ALWAYS HAVE ADEQUATE VENTILATION. CLEANING FIREARMS IN POORLY VENTILATED AREAS, DISCHARGING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER SERIOUS PHYSICAL INJURY. WASH HANDS THOROUGHLY AFTER EXPOSURE.

WARNING: NEVER DISASSEMBLE YOUR FIREARM BEYOND THE FIELD STRIPPING/DISASSEMBLY PROCEDURE DETAILED IN THIS MANUAL, OR PERFORM ANY MAINTENANCE, ADJUSTMENT, OR SERVICE NOT SPECIFIED. IMPROPER DISASSEMBLY AND REASSEMBLY OF YOUR FIREARM MAY LEAD

TO INJURY OR DEATH OF THE SHOOTER AND/OR BYSTANDERS AND DAMAGE TO PROPERTY.

WARNING: NEVER MODIFY OR SWAP OUT ANY OF THE COMPONENTS OF YOUR RETAY FIREARM, UNLESS SPECIFICALLY INSTRUCTED TO DO SO IN THIS MANUAL OR IN AN OFFICIAL RETAY ACCESSORY PARTS MANUAL OR INSTRUCTION SHEET. CHANGES NOT COVERED IN THIS MANUAL OR IN A RETAY INSTRUCTION SHEET WILL REQUIRE A QUALIFIED GUNSMITH (OR FACTORY-TRAINED PERSONNEL) USING FACTORY-AUTHORIZED PARTS. IMPROPER MANIPULATION OF ANY COMPONENT OF THE FIREARM MAY RESULT IN FAULTY FUNCTIONING, POSSIBLY LEADING TO INJURY OR DEATH OF THE SHOOTER AND/OR BYSTANDERS AND DAMAGE TO PROPERTY.

• Your firearm should be cleaned before its initial use.

• Prior to reaching you, your firearm was factory treated with oil for protection during handling. This oil should be cleaned and a high quality gun oil should be applied before use.

• Preservative and oil should be wiped from the bore, chamber and exposed areas using a clean swab or patch before using the firearm.

NOTE: A basic firearm cleaning kit should include: a brass bore brush and a cleaning jag of appropriate size for the bore being cleaned, high-quality gun cleaning solvent and gun oil/lubricant, cotton cleaning patches and a cleaning rod that is long enough to push the brush and jag completely through the barrel.

CAUTION: Never disassemble your firearm beyond the instructions in the Disassembly/Field Stripping and Inspection sections of this manual.

• Firearms dealers sell cleaning supplies for type and caliber of firearm., many in kit form for your convenience.

• Follow the instructions provided with your cleaning supplies.

• Use a properly fitted brass brush dipped in gun cleaning solvent to remove excessive firing residue from the bore and chamber. Finish the bore cleaning process by running a dry cotton cloth patch through the bore to remove residue and solvent.

• Use a non-abrasive cleaning cloth to clean the exterior of the firearm.

• Use a high quality gun oil to lightly coat the internal and external metal parts.

• Your firearm must be cleaned and lubricated anytime it is exposed to adverse conditions like sand, dust, extreme humidity or water.

CAUTION: Always follow the instructions provided with your firearm cleaner and firearm lubricant.

CAUTION: Some cleaners can cause damage to your firearms. You should avoid prolonged solvent immersion and prolonged ultrasonic cleaning of your firearm. Choice of solvent should be restricted to those products specifically developed for firearms maintenance. Damage to a firearm's finish may occur if these cautions are ignored. Ammoniated solvents or other strong alkaline solvents, should not be used on any Retay firearm

- Your firearm needs to be cleaned and maintained to ensure proper functioning.

- Because your rifle is a precision instrument it is necessary to follow a routine maintenance procedure to ensure reliable function. After firing your rifle, be sure to unload it following the procedure outlined in the Inspecting Your Rifle section (page 13) before performing any cleaning or maintenance procedure.

- Because finger moisture could start a corrosion process, it is important to remove any finger prints, oil or firearm cleaning solution from the outside surfaces of the firearm.

- Be mindful of cold temperatures. Be sure to use a gun oil of an appropriate weight so that it will not congeal in the cold weather and possibly cause the movement of important parts to be slowed or halted.

MAINTENANCE BEFORE STORAGE

- Do not use leather, heavy cloth or anything that will attract or hold moisture, to encase your firearm when storing it. Do not store firearms with a plug inserted in the barrel because this may help collect moisture. If your firearm is to be stored for an extended period, the bore, chamber and internal surfaces should be oiled with a high quality gun oil or preservative intended for firearms.

- The metal parts of the firearm; bolt and barrel should be coated lightly with an anti-rust oil. Before using your firearm again, be sure to clean it. Every time you clean your firearm, check it for signs of wear. If wear is noted, do not use the firearm. Return it to Retay for service or have it checked by a qualified gunsmith.

LIMITED WARRANTY

For Owners Within The United States

Read the full text at
www.retayusa.com/lifetime-warranty

Please address your warranty
concerns electronically to:
service@teamretay.com

The RA 15-22 is warranted to be
free from manufacturers defects for

the life of the gun. This warranty is
to the original purchaser and is not
transferable. This warranty does
not cover normal wear and tear,
finish of metal or wood, abuse or
misuse, damage to property, cost
of inconvenience or loss of use.

This warranty gives you certain
legal rights and you may have other
rights which vary from state to state
or country to country. Apart from
the assumptions of cancellation of

warranty mentioned in the
different sections of this manual,
below will also void the warranty:

- Unauthorized modifications and/
or repairs.
- Rifle returned in neglected
conditions (dirty, corroded, etc.).
- Use of improper ammunition
(e.g. military ammunition, reloaded

ammunition, ammunition un
authorized by CIP or SAAMI).

- Damages which result from not
following the instructions given in
this manual. The rifle is identified by
its serial number on the side of the
receiver.

IMPORTANT: In case of return,
make sure that the rifle is unloaded!!

CONTACT & SHIPPING INFORMATION

For Owners Within The United States

NOTE: A Return Merchandise Authorization (RMA) is the first step in the process of returning a product in order to receive a repair, replacement or refund. Please contact Retay Customer Service Dept. (via e-mail: service@teamretay.com or phone at (800) 977-5749) to obtain authorization to return your firearm so we can process it quickly and efficiently. The RMA number that is supplied by Retay must be displayed on the outside of the returned product's packaging; returns without an RMA number will be routed differently which will result in delayed processing. The issuance of a Return Merchandise Authorization (RMA) allows Retay an opportunity to try to diagnose and correct a customer's concerns with the product (such as ammunition problems) before it is returned. Accordingly, please contact us before returning your Retay firearm.

- Should your Retay firearm require service, it should be returned to the Retay factory.



IMPORTANT NOTE: The shipping label must bear the name and address of the Individual or FFL dealer shipping the firearm. Do not use a label with someone else's name and address. Never give your label to another person. If you would like to work with your local FFL to ship your firearm on your behalf, they must contact the Customer Service Department before shipping the firearm.

- Call or e-mail the Customer Service Dept. for authorization and shipping instructions.
- Ensure that the firearm is unloaded.
- Do not attempt to ship a firearm via US Postal Service; only federally licensed dealers may ship a firearm by US Postal Service.
- DO NOT SHIP ANY AMMUNITION.
- Enclose a letter which includes your full name and address (no P.O. Boxes, please),

daytime telephone number, e-mail address, the serial number of the firearm, and details of the problem experienced (stating the brand and type of ammunition used when the problem occurred) or work desired.

- Record the serial number before shipping, in case you wish to check on the repair status of your firearm.
- Please remove all custom parts and accessories, such as stocks, special sights and scopes, or slings from your firearm before returning.
- Place the firearm in its original case or in a similarly secure container and pack it securely.
- The package must NOT bear any markings which indicate the identity of the contents.
- It is important that you comply with federal, state, and local laws and regulations. The following guidelines are meant to help, but you must seek assistance from the appropriate authorities if necessary.

- If your firearm must be replaced, it may be necessary to ship the replacement to a dealer rather than directly to you. You will be requested to furnish a signed FFL (Federal Firearms License) from your dealer in such an instance.

- Warranty repair work will begin upon receipt and examination of the firearm. In the case of repairs or work not covered by the warranty, a quotation covering the cost of the work plus round-trip transportation charges will be sent to you. Repairs or modification will be scheduled upon receipt of payment.

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SOME PARTS MUST BE INSTALLED BY A GUNSMITH QUALIFIED TO PERFORM SERVICE ON RETAY FIREARMS, EVEN IF THE ALTERATION SEEMS SIMPLE.

MAGPUL® M-LOK® ACCESSORY RAILS

WARNING: ALWAYS ENSURE THAT THE FIREARM IS UNLOADED BEFORE INSPECTING, DISASSEMBLING OR ASSEMBLING (INCLUDING ACCESSORIES) AND ALWAYS KEEP THE MUZZLE OF THE FIREARM POINTED IN A SAFE DIRECTION.

The Magpul® M-LOK® Accessory Rail System

- The versatility of the Magpul® M-LOK® system lies in accommodating various thicknesses of mounting surfaces and the adjustments that allow this functionality, the tips below will help the user have the best possible results in the fastest possible time.

- Your Magpul® M-LOK® accessory may arrive with nuts and nylon patched (thread lock material) screws installed or with the nuts and screws loose with the accessory you have purchased. If the screws are loose, simply thread the nuts onto the screws through the accessory rail as shown (FIGURE B3).

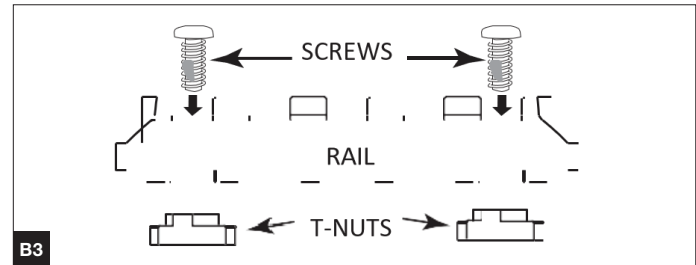
- The nylon patch may seem “stiff” for the first installation of the new screws into the T-Nuts. Use a 7mm wrench to hold the T-Nut and to

thread it onto the screw, then backing it off to the appropriate clearance adjustment will “break in” the nylon patch, and subsequent use will be easy.

- The nylon patch on the screws actually aids function by providing friction to turn the nuts. If you remove and replace the accessory numerous times, the nylon patch may eventually wear. You also may receive an after-market accessory without the patch on the screws. If the nut is not turning appropriately, the patch effect may be restored with either Rocksett™ or Loctite™ blue thread-locker stick. If the screws come without the patch, one of the above products is recommended for best function and durability.


B1

The RA 15-22 has M-LOK® slots at 3:00, 6:00 and 9:00 positions.
The other slots are cosmetic and for cooling only

B2

B3

ADJUSTING THE NUT TO THE CORRECT HEIGHT

• For best function, the T-Nut “gap” must be slightly greater than the thickness of the mounting surface (FIGURE B4). This can be done by measuring the mounting surface thickness directly or using the edge of the mounting surface as a gauge. For most aluminum mounting surfaces setting the nuts as depicted below, with the highest edge of the T-Nut even with the bottom edge of the recoil lug, will provide correct function. Some thicker rails or polymer rails may require the nuts to be looser with a one or two thread(s) gap between the nuts and recoil lugs.

• Some accessories may arrive preset to the condition shown in the illustration for easy installation on aluminum hand guards. Remember to loosen the nuts a bit for installation on polymer hand guards.

• Apply some downward force on the hex wrench to make sure that the screw is seated, and then tighten (FIGURE B5).

ENSURE THAT THE ACCESSORY IS FULLY SEATED INTO A SLOT AND TIGHTENED INTO POSITION WHEN MOUNTING

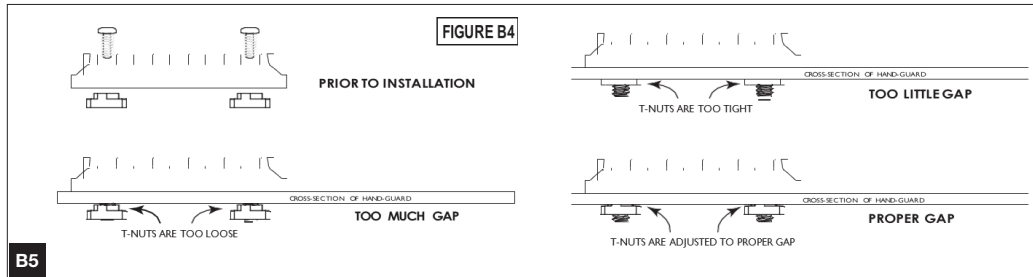
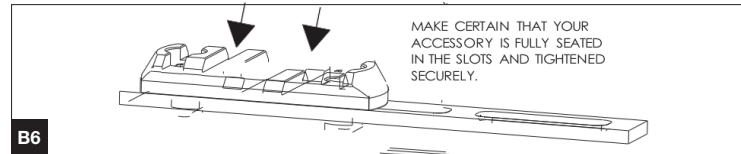
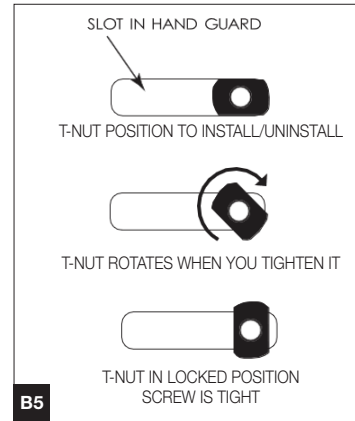
• The bottom of the accessory should sit flush with the mounting alignment surface. If it doesn’t then slide the accessory fore-aft until it drops fully into the slot with the lugs engaged (FIGURE B6).

• For maximum repeatability, “bias” the accessory before fully tightening. By bias we mean settle the accessory toward the front where recoil won’t give the accessory a “running start” to move when firing.

• To bias the accessory, apply just enough lateral pressure (down and forward) to the accessory to make solid contact with one side and the front (towards muzzle) of the

slot, similar to when installing a Picatinny rail accessory. Then tighten all fasteners to the recommended torque spec. This step is not necessary, but aids repeatability.

WARNING: AN ACCESSORY WHICH IS NOT SECURELY MOUNTED MAY BECOME DETACHED UPON RECOIL OF THE FIREARM. IF IT BECOMES DETACHED IT MAY FLY BACK AND STRIKE THE SHOOTER OR A BYSTANDER AND CAUSE INJURY. OBSERVE THE CONDITION OF ALL THE MOUNTING SCREWS AFTER FIRING. IF THE MOUNTING SCREWS SHOW SIGNS OF LOOSENING DO NOT FIRE THE FIREARM AGAIN. TAKE IT TO A QUALIFIED GUNSMITH FOR ASSISTANCE.



ENSURE THAT THE NUT ROTATES THE FULL 90 DEGREES INTO THE LOCKED POSITION

- If you have adjusted the nuts appropriately, they should rotate into perfect 90 degree alignment with a 1/4 turn of the screw, once it is aligned, the screw draws the nut against the interior of the handguard (FIGURE B7).

IF THE T-NUTS ARE NOT ROTATING PROPERLY:

- When nuts are spaced too loosely (where they do not contact the interior handguard surface) then the nut will rotate freely without stopping and tightening. In this case the nut will have to be screwed in closer to the bottom of the accessory. Simply remove the accessory from the slot and screw the nut on one full turn. Repeat as necessary so that the cam engages the slot when the screw is tightened.

- If the nut is spaced too close to the accessory, then the “wings” of the nut will contact the sides of the slot and the nut will not rotate into place. This will cause the nut to tighten against the accessory lugs without engaging the handguard.

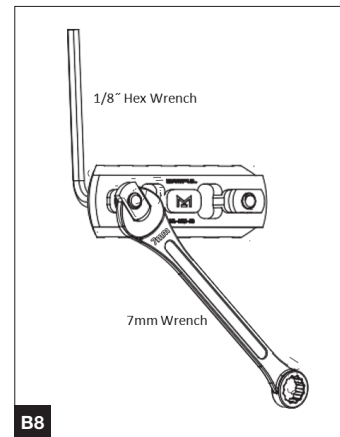
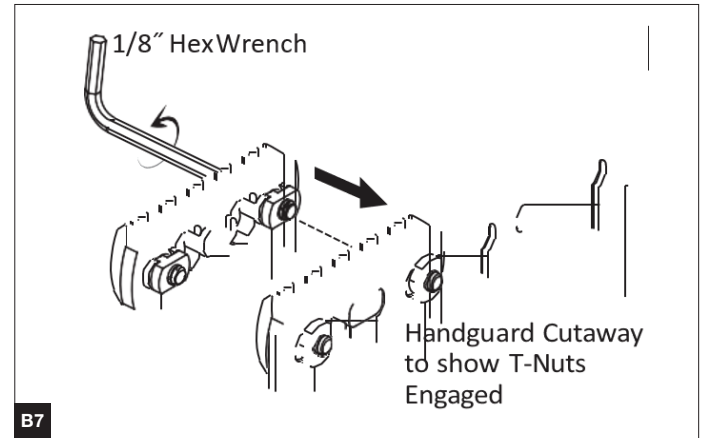
- In this case the nut should be unscrewed until it is spaced far enough away from the lugs to allow it to rotate properly into position. Unscrew the nut one turn at a time and retest function.

NOTE: It is best to observe the T-Nut rotating into locked position, if possible, to be certain that it turns 90 degrees into place and stays there during tightening.

- Most handguards or other mounting surfaces have holes or vents that can be seen through to confirm that the M-LOK® T-Nuts are properly engaged with the slot, and are perpendicular to the slot orientation.

- If the nut won't rotate, or it rotates too freely to engage the handguard, you may need to hold or turn the nut with a 7mm open-end wrench (FIGURE B8).

- If it is not possible to watch the nut rotate, then careful attention needs to be paid to the screw as it is tightened. The screw should turn easily for the first quarter turn, then when the nut stops rotating it will become slightly more difficult to turn. Continue tightening until secure. Pull on both ends of the accessory to ensure it is engaged correctly.



THE Magpul® M-LOK® SYSTEM TORQUE SPECS

- For attaching polymer accessories to metal handguards: 15 in/lbs.
- For attaching polymer or metal accessories to polymer handguards: 25 in/lbs.
- For attaching metal accessories to metal handguards: 35 in/lbs.
- The installation torque values are not minimums, they are recommended limits. The nylon patch compound (thread lock) may slightly affect the torque reading if using an in/lb torque wrench.
- Using a small hex wrench should prevent over-tightening. Remember that the recoil lugs are doing most of the work, and excessive torque on the nuts is not required.

WARNING: APPLYING EXCESSIVE TORQUE TO THE ACCESSORY RAILS AND HANDGUARDS MAY CAUSE DAMAGE TO THEM RESULTING IN AN INSECURE MOUNT. A RAIL OR ACCESSORY WHICH IS NOT SECURELY MOUNTED MAY BECOME DETACHED UPON RECOIL OF THE FIREARM. IF IT BECOMES DETACHED IT MAY FLY BACK AND STRIKE THE SHOOTER OR A BY-STANDER AND CAUSE INJURY. OB-

ERVE THE CONDITION OF ALL THE RAIL COMPONENTS BEFORE FIRING. IF ANY PART OF THE MOUNT SHOWS SIGNS OF BEING LOOSE, DO NOT FIRE THE FIREARM AGAIN. TAKE IT TO A QUALIFIED GUNSMITH FOR ASSISTANCE.

REMOVAL OF ACCESSORY RAILS

- To remove, simply loosen the accessory mounting screws one full turn and the T-Nuts should loosen and align with the slot to be easily removed.
- If the T-Nuts snag when passing through the slot, simply pull up gently on the accessory and continue to loosen the screw another 1/4 to 1/2 turn, which should align the T-Nuts with the slot.
- On some polymer mounting surfaces, the T-Nuts may embed slightly into the polymer surface when tightened.
- When removing from polymer surfaces, easiest function is obtained by loosening 1/2 turn or so and then pressing down on the head of the screw with the hex wrench. This will free the T-Nut if it has been over tightened, and you may remove normally after this step.
- If you go too far in loosening before removing the accessory, the T-Nuts may have loosened past

the slot to the point that they will not engage and are spinning freely. Turn screw to align, then remove accessory.

IF YOU DON'T HAVE A TORQUE WRENCH THAT MEASURES IN/LB, HERE ARE SOME TORQUE GUIDELINES:

35 in-lb using the long arm of an L-shaped hex wrench (FIGURE B9) with short end of hex wrench in the screw head.

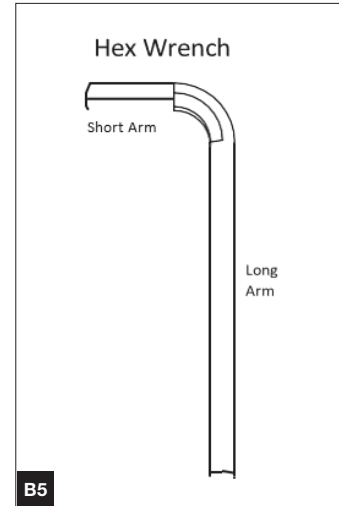
- Standard 2 5/16" hex wrench
 - Apply 15 lb to the end of the wrench
 - Approximately 1/4" deflection at the end of the wrench.
- Long 3 13/32" hex wrench
 - Apply 9 lb. to the end of the wrench
 - Approximately 1/2" deflection and the end of the wrench.
- 15 in-lb using the long arm of an L-shaped hex wrench (with short end of hex wrench in the screw head).
 - Standard 2 5/16" hex wrench
 - Apply 6 1/2 lb to the end of the wrench
 - Approximately 3/16" deflection at the end of the wrench.
 - Long 3 13/32" hex wrench
 - Apply 4 lb to the end of the wrench
 - Approximately 1/4" deflection and the

end of the wrench.

15 in-lb using the short arm of an L-shaped hex wrench (with the long end of the hex wrench in the screw head).

- Apply maximum force achievable by hand.

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BATTERY WARNINGS

WARNING: IF A BATTERY OPERATED ACCESSORY OR ATTACHMENT (I.E. LASER, OPTICAL SIGHT OR FLASHLIGHT, ETC.) IS SUPPLIED OR USED WITH THIS FIREARM, YOU MUST ADHERE TO THE FOLLOWING WARNINGS AND INSTRUCTIONS.

WARNING: KEEP BATTERIES AWAY FROM CHILDREN. THERE IS A CHEMICAL BURN HAZARD ASSOCIATED WITH BATTERIES.

WARNING: IF A NEW OR USED LITHIUM BUTTON/COIN CELL BATTERY IS SWALLOWED OR ENTERS THE BODY, IT CAN CAUSE SEVERE INTERNAL BURNS AND CAN

LEAD TO DEATH IN AS LITTLE AS 2 HOURS. ALWAYS COMPLETELY SECURE THE BATTERY COMPARTMENT. IF THE BATTERY COMPARTMENT DOES NOT CLOSE SECURELY, STOP USING THE PRODUCT, REMOVE THE BATTERIES, AND KEEP IT AWAY FROM CHILDREN. IF YOU THINK BATTERIES MIGHT HAVE BEEN SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY, SEEK IMMEDIATE MEDICAL ATTENTION.

• When used correctly, batteries provide a safe and dependable source of portable power. However, misuse or abuse may result in leakage, fire, or explosion.

• Batteries can explode or leak and cause burns if installed backwards, disassembled, charged, or exposed to water, fire or high temperature.

• Ensure the batteries are installed correctly according to polarity (+ and -). Always take care to install your batteries correctly observing the "+" and "-" marks on the battery and the device.

• Always replace the whole set of batteries at one time, taking care not to mix old and new batteries, or batteries of different types.

• Store unused batteries in their original packaging and away from metal

objects that may short-circuit them.

• Remove discharged batteries from equipment promptly to avoid possible damage from leakage.

• Never dispose of batteries in fire. Failure to observe this precaution may result in an explosion.

WARNING

- **INGESTION HAZARD:** This product may contain a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
- **KEEP** new and used batteries **OUT OF REACH** of CHILDREN
- Seek immediate medical attention if a battery is suspected of being swallowed or inserted inside any part of the body.



- The batteries are supplied in a charged state and are not designed for recharging. Recharging may cause leakage, fire, or explosion.
- Remove and immediately recycle or properly dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.
- Even used batteries may cause injury or death.
- Call a local poison control center for treatment information.
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. DO NOT dispose of batteries in household trash or incinerate.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above manufacturer's specified temperature rating or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

<p>Listed Below Are Some Battery Designations That May Be Encountered in Typical Gun Sights, Lasers and Flashlights (see any WARNINGS and instructions that accompanied your particular accessory for details)</p>	<p>Voltage of Battery</p>
AA	1.5 volt
AAA	1.5 volt
CR123A	3 volt
CR2 3	3 volt
CR2016	3 volt
CR2032	3 volt
CR1632	3 volt
CR-1/3n	3 volt
LR44	1.5 volt
LMS 1431/1441	1.55 volt



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