

LIGHTWEIGHT. ACCURATE. DEPENDABLE.



**CHRISTENSEN
ARMS®**

**MODERN
SPORTING
RIFLES**





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WARNINGS

Throughout this manual you will find WARNINGS and/or CAUTIONS in bold print. All WARNINGS and CAUTIONS should be read carefully and followed completely. WARNINGS discuss issues that could result in damage to your firearm, personal injury or death to you or bystanders. CAUTIONS highlight issues that could result in damage or malfunction of your firearm.

WARNING: IT IS YOUR RESPONSIBILITY TO ASSURE THAT YOUR FIREARM IS HANDLED, FIRED, AND STORED SAFELY AND RESPONSIBLY AT ALL TIMES.

This manual provides instructions on the operation and maintenance of your Christensen Arms firearm. Read this manual carefully before using your firearm. Your safety and the safety of others depends on your knowledge of the firearm and your attention to firearm safety in general. Please study the safety rules noted in this manual. It is your responsibility to assure that you comply with all federal, state and local laws with regards to the purchase, ownership, use and storage of your firearm.

This manual covers several Christensen Arms firearm models. Instructions referring to specific models will be clearly marked.

Christensen Arms is not liable for any improper use of the firearm and shall not be responsible for damage of property, injury or death resulting from either accidental or intentional misuse of this firearm.

Christensen Arms shall not be responsible for malfunctions of the firearm when it is used for purposes for which the firearm was not intended.

Christensen Arms will not honor claims which may result from careless or improper handling, unauthorized adjustments, parts replacement, corrosion, neglect, use of the wrong type or caliber of ammunition or the use of ammunition other than original high quality commercially manufactured ammunition in good condition.

SAFETY FIRST IT IS YOUR RESPONSIBILITY

- Treat every gun as if it is a loaded gun AT ALL TIMES!
- Always keep the muzzle pointed in a safe direction.
- Never point your firearm at anything that you do not intend to shoot.
- Keep your finger off the trigger and out of the trigger guard until you are aiming at your target and ready to shoot.
- Always keep and carry your firearm with an empty chamber until you intend to shoot.
- Firearms should be unloaded when not in use.
- Be sure of your target and backstop before you shoot. Analyze what your bullet will hit if it misses or goes through the target.
- Never shoot at hard, flat surfaces or water. Bullets can ricochet.
- Always wear hearing and eye protection when shooting.
- Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead, a substance known to be associated with birth defects, reproductive harm, and other serious injuries. Make sure you have adequate ventilation at all times. Wash hands after handling.
- Make sure your barrel is clear of obstructions including excessive oil, grease, cleaning patches, debris, etc. before shooting.
- Use only clean, high quality factory loaded ammunition in good condition. Christensen Arms does not encourage the use of hand-loaded ammunition; any such use voids the Christensen Arms warranty.
- Do not alter or modify your firearm.
- Do not try to change your firearm's trigger pull as alterations of trigger pull can affect sear engagement and can cause accidental firing.
- Store firearms and ammunition separately, and in a safe place out of reach of children. In case of malfunction, STOP! Review this manual to identify and resolve the problem. If you cannot resolve the problem please contact Christensen Arms immediately.

SAFE STORAGE

WARNING: ALWAYS CHECK TO MAKE SURE YOUR FIREARM IS UNLOADED. ALWAYS STORE YOUR FIREARM IN A SAFE LOCATION SEPARATE FROM THE AMMUNITION.

Always make sure both the chamber and magazine are unloaded before placing the firearm in storage. Store your rifle in a securely locked gun safe. If you do not have a gun safe, remove the bolt and bolt carrier assembly from your rifle, and store it separately from the rifle in a secure location. Store your ammunition in a separate location from the rifle and separate from the bolt and bolt carrier assembly.

WARNING: IF YOU HAVE MORE THAN ONE SIMILAR FIREARM, MAKE SURE THAT YOU SPECIFICALLY IDENTIFY THE REMOVED ASSEMBLY WITH ITS ORIGINAL FIREARM AS THE ASSEMBLIES MAY NOT BE INTERCHANGEABLE.

GENERAL INFORMATION

Your firearm is lightweight, gas or gas/piston operated, air cooled and magazine fed. All Christensen Arms firearms are manufactured to perform at a high degree of accuracy, reliability and durability. The firearm's construction features extensive use of aircraft-grade forging, with no die-cast or extruded parts employed in the receivers. The patented bolt carrier assembly provides higher strength than that found on inferior designs.

WARNING: YOUR CHRISTENSEN ARMS FIREARM WAS DESIGNED AND TESTED TO FUNCTION WITH ITS ORIGINAL COMPONENTS. ALTERATIONS TO THE FIREARM IN ANY WAY, INCLUDING BUT NOT LIMITED, TO ALTERING ORIGINAL COMPONENTS OR REPLACING PARTS WITH AFTERMARKET (NON-CHRISTENSEN ARMS) PARTS OR COMPONENTS CAN CAUSE MALFUNCTIONS AND WILL VOID YOUR WARRANTY. DO NOT USE SUBSTITUTE PARTS UNLESS THEY ARE MANUFACTURED BY OR RECOMMENDED BY CHRISTENSEN ARMS.

THE LTM TRIGGER SYSTEM

The LTM trigger is factory preset with a pull weight of 2.5 to 3 pounds. The trigger module installs using your rifle's original hammer/trigger pins. The Patented Safty Hook embedded into the design locks the hammer in place so the firearm can never discharge while on safe even if dropped or impacted. The single stage trigger has a "Creep-free" let off that is smooth and breaks clean every time.

Made in the USA.

BARREL LIFE

The Christensen Arms Custom Carbon Barrel is an elite choice and upgrade to the AR platform. The custom carbon barrel consists of a stainless steel, select match-grade barrel that has been hand lapped. The steel profile is turned to a proprietary contour and then wound in carbon fiber utilizing a patented process. Chambered to match grade specifications, your Christensen Arms carbon barrel will give the accuracy

performance enhancements that are desired in a high end rifle. A few of the benefits to our patented carbon barrel system are listed below:

1. A lightweight barrel with the accuracy of a target bull barrel.
2. Our Carbon fiber barrel is three times stiffer than a steel barrel of equal weight which reduces flex & harmonics, increasing precision.
3. The Christensen Arms patented carbon layup process produces a barrel shell that has 0 thermal expansion coefficient, which brings you shot after shot consistency.
4. Performs well in any climate or temperature and is corrosion resistant
5. Dissipates heat from the stainless steel liner 300% faster than steel.
6. Barrel life is extended by 25%.

GENERAL INFORMATION

(continued)

RECEIVER FIT

Christensen Arms requires a close fit between the receivers, but normal forging and matching variations may result in play or slight side-to-side receiver mismatch. This is not a manufacturing defect and has no adverse effect on accuracy.

APPEARANCE

The CA-15 is built on the standard AR-15 MIL-SPEC platform. It is an industrial product and bears finishes appropriate for its intended purposes. Christensen Arms rifles are all thoroughly test fired before shipping. New rifles will normally show evidence of this firing. If the receiver looks light or uneven in color which is typically due to dryness, apply a light coat of oil on the metallic surface and this will improve the appearance. The receivers are made of forgings for their exceptional strength. By its very nature the forging process may leave small dents and dings on the outside of the forging. Christensen Arms inspects all forgings for extensive marks, but no forging is free of them. This is not a defect.

MAGPUL PMAG

The PMAG (Polymer Magazine) is a lightweight 5.56x45 NATO, M-16 compatible magazine. The PMAG features an advanced impact resistant polymer construction, a pop-off impact cover for storage, and an easy to disassemble design. The PMAG also features a flared floor plate for positive magazine extraction from pouches.

WARNING: USE OF INCORRECT AMMUNITION CAN CAUSE FIREARM DAMAGE, PERSONAL INJURY OR DEATH. MAKE ABSOLUTLY CERTAIN THAT YOU ARE USING CARTRIDGES DESIGNED FOR YOUR FIREARM. DO NOT FIRE OLD, CORRODED, DEFORMED OR HAND LOADED AMMUNITION. IF YOU HAVE ANY QUESTIONS, CONTACT CHRISTENSEN ARMS BEFORE FIRING.

NOTE: Some types/brands of ammunition have unique characteristics (e.g. extremely light or heavy projectiles, particularly soft cartridge cases, propellant that burns unusually slower or more rapidly) which can reduce its reliability in any semiautomatic firearm. Christensen Arms recommends that you purchase and test a small quantity of any type of ammo in your firearm before you buy large quantities.

WARNING: DO NOT FIRE SABOTED AMMUNITION FROM YOUR RIFLE. THE SABOT COULD LODGE IN YOUR FLASH SUPPRESSOR CAUSING FIREARM DAMAGE AND POTENTIAL INJURY OR DEATH.

CAUTION: TRACE AND ARMOR PIERCING AMMUNITION REDUCES BARREL LIFE.

INITIAL ASSEMBLY, INSPECTION AND CLEANING

INITIAL ASSEMBLY

Your CA-15 series firearm is shipped completely assembled. However it has an adjustable butt stock, the butt stock may require adjustment in length for optimal fit.

ADJUSTING THE BUTT STOCK

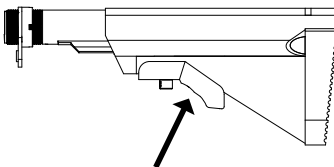
To extend the collapsible butt stock, depress lever and pull the stock out until it locks into position. To collapse the butt stock, depress the lever again and push forward until it locks into position.

WARNING: IF YOU MOUNT A SCOPE TO YOUR RIFLE, MAKE SURE THE SCOPE IS MOUNTED FAR ENOUGH FORWARD SO THAT IT WILL NOT IMPACT YOUR FACE DURING RECOIL. CHECK THE DISTANCE BETWEEN THE SCOPE AND YOUR FACE WHEN YOU ARE IN THE FIRING POSITION. KEEP IN MIND THAT YOUR EYE WILL BE CLOSER TO THE SCOPE WHEN SHOOTING FROM PRONE OR FROM THE BENCH THAN

WHEN SHOOTING OFF-HAND. WHEN IN DOUBT INCREASE THE EYE RELIEF.

WARNING: READ THIS MANUAL COMPLETELY AS YOU INSPECT YOUR NEW CHRISTENSEN ARMS FIREARM. MAKE SURE YOU UNDERSTAND HOW TO ASSEMBLE, OPERATE, DISASSEMBLE, MAINTAIN, AND STORE YOUR FIREARM SAFELY BEFORE YOU USE IT.

Any time you disassemble and reassemble a firearm, you should conduct a functional check. Check your firearm's function as described.



INITIAL CLEANING

Clean the bore of your firearm and lubricate the firearm as described in the Maintenance section below. Christensen Arms firearms are typically made more tightly than other AR rifle designs. A break-in period of 200 rounds allows machined surfaces (including coated surfaces) to smooth out the rifle's action. Lubricate the rifle well before firing.

WARNING: TO ASSURE PROTECTION FROM CORROSION, YOUR CHRISTENSEN ARMS FIREARM HAS BEEN SHIPPED WITH PRESERVATIVE OIL IN THE BORE. FIRING THE FIREARM WITH PRESERVATIVE IN THE BORE CAN INCREASE PRESSURES, WITH POSSIBLE FIREARM DAMAGE, PERSONAL INJURY OR DEATH. CLEAN AND DRY THE BORE BEFORE FIRING YOUR CHRISTENSEN ARMS FIREARM.

BREAKING IN CHRISTENSEN ARMS BARRELS

Christensen Arms recommends the following procedures to break in your new stainless steel match-grade barrel liner.

1. For the first 10 shots, clean the barrel after every shot.
2. For the next 50 shots, clean the barrel after each five shot group.
3. Then to maintain quality of the barrel, clean after each use.

DRY FIRING YOUR RIFLE

Dry firing this rifle will not cause damage to the firearm.

CAUTION: NEVER DRY FIRE YOUR RIFLE

WITHOUT THE BOLT CARRIER ASSEMBLY INSTALLED. THE FIRING PIN STOPS THE FALL OF THE HAMMER, WITHOUT THE BOLT CARRIER ASSEMBLY INSTALLED, THE HAMMER CAN IMPACT ON THE LOWER RECEIVER AND CAUSE DAMAGE TO THE FIREARM.

WARNING: FOLLOW ALL OF THE RULES OF SAFE GUN HANDLING ANYTIME YOU DRY FIRE YOUR FIREARM.

LOADING AND FIRING

WARNING: ALWAYS KEEP THE SAFETY IN THE “SAFE” POSITION UNTIL YOU ARE READY TO FIRE THE FIREARM. REMEMBER THAT THE SAFETY IS SIMPLY A MECHANICAL DEVICE, AND AS SUCH, COULD POSSIBLY FAIL. ALWAYS KEEP THE CHAMBER EMPTY AND THE FIREARM POINTED IN A SAFE DIRECTION EVEN WHEN THE SAFETY IS ON.

WARNING: INJURY, DEATH OR FIREARM DAMAGE CAN RESULT FROM FIRING A FIREARM WITH AN OBSTRUCTION IN THE BORE. BEFORE YOU FIRE, MAKE SURE THAT THE BORE IS NOT OBSTRUCTED. NEVER ATTEMPT TO SHOOT OUT A BORE OBSTRUCTION.

WARNING: ALWAYS WEAR EYE AND EAR PROTECTION. MAKE SURE THAT BYSTANDERS ALSO WEAR EYE AND EAR PROTECTION.

WARNING: HANDLING OF CARTRIDGES AND FIRING FIREARMS MAY EXPOSE YOU TO LEAD. ALWAYS ASSURE THAT THERE IS ADEQUATE VENTILATION. ALWAYS

WASH YOUR HANDS AFTER HANDLING AMMUNITION OR AFTER FIRING YOUR FIREARM.

WARNING: THIS FIREARM WILL FIRE WITHOUT A MAGAZINE IN IT. ALWAYS MAKE SURE THE CHAMBER IS EMPTY. THE FIREARM SHOULD NOT BE CONSIDERED TO BE SAFE UNLESS THE MAGAZINE IS REMOVED, THE SAFETY IS ON, THE BOLT IS OPEN, AND THE CHAMBER IS EMPTY. **WARNING:** THE FIRED CARTRIDGE CASE IS HOT WHEN IT IS EJECTED FROM THE FIREARM.

WARNING: IF THE FIREARM FAILS TO FIRE WHEN THE TRIGGER IS PULLED:

1. KEEP THE FIREARM POINTED AT THE TARGET.

2. WAIT 15 SECONDS TO ALLOW A POSSIBLE “HANGFIRE” TO GO OFF.

3. CHECK TO SEE IF THE SAFETY IS ENGAGED BY MISTAKE. IF SO, PUSH THE SAFETY TO THE “FIRE” POSITION AND FIRE.

4. IF THE FIREARM STILL DOESN'T FIRE, BE CAUTIOUS THE CARTRIDGE MAY DISCHARGE WHEN THE BOLT IS OPENED.

5. OPEN THE BOLT QUICKLY AND UNLOAD THE FIREARM.

6. EXAMINE THE FIREARM AND CARTRIDGE CAREFULLY TO IDENTIFY THE CAUSE OF THE MALFUNCTION.

WARNING: RAPID FIRING OF THE FIREARM MAY CAUSE SOME COMPONENTS TO BECOME HOT ENOUGH TO CAUSE INJURY. EXTENDED SESSIONS OF VERY RAPID FIRING MAY CAUSE A CARTRIDGE LEFT IN THE CHAMBER TO “COOKOFF,” FIRING ITSELF WITHOUT YOU PULLING THE TRIGGER. ALWAYS UNLOAD THE FIREARM IMMEDIATELY AFTER YOU FINISH FIRING.

To prevent cook-offs and maximize barrel life, the rate of fire should not exceed the following:
2 minutes - 40 rounds per minute
10 minutes - 30 rounds per minute

20 minutes - 20 rounds per minute
30 minutes or more - 13 rounds per minute

LOADING THE MAGAZINE

Set the cartridge on the follower between the feed lips making sure it is pointing the same direction as the "bullet" on the follower. Press the bullet straight down until it's held by the lips of the magazine. Keep your magazines clean and dry. Never pound the magazine into the rifle. Insert the magazine completely then check to assure it is locked into the rifle by tugging downward.

CAUTION: CURRENTLY CHRISTENSEN ARMS SELLS MAGAZINES THAT ARE DESIGNED FOR CAPACITIES OF 10, 20 AND 30 ROUNDS. DO NOT EXCEED THESE CAPACITIES. DUE TO VARIATIONS IN DIAMETERS OF VARIOUS BRANDS OF CARTRIDGES, IT MAY BE POSSIBLE TO FORCE AN ADDITIONAL CARTRIDGE INTO A MAGAZINE. DOING SO WILL DAMAGE YOUR MAGAZINE AND LEAD TO ELEVATED MALFUNCTION RATES.

LOADING THE FIREARM AND CHAMBERING THE FIRST ROUND

1. Make sure the rifle is completely unloaded. Pull the charging handle rearward, lock the bolt carrier assembly to the rear by pressing the bottom of the bolt stop and then release the charging handle. Place the safety selector on "SAFE." Verify that the chamber is clear and the bore is not blocked.

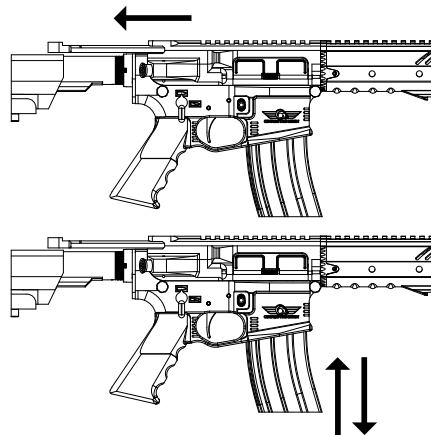
2. Push the magazine up into the receiver until the magazine catch engages and holds the magazine.

CAUTION: KEEP YOUR MAGAZINES CLEAN AND DRY. NEVER POUND THE MAGAZINE INTO THE RIFLE. INSERT THE MAGAZINE COMPLETELY INTO THE RIFLE THEN TUG DOWNWARD TO ASSURE IT IS SECURELY LOCKED INTO PLACE.

3. Pull down on the magazine slightly to make sure it is locked into place.

4. Pull the charging handle completely to the rear and release it to chamber the first round.

While it is possible to release the bolt carrier assembly by pushing in on the bolt stop, more energy is provided to chamber the cartridge by pulling the charging handle to the rear and releasing it. If the bolt carrier doesn't fully close, tap the forward assist (if your rifle is so equipped) to close it. If the bolt will not close, clear the rifle and correct the problem.



LOADING AND FIRING

(continued)

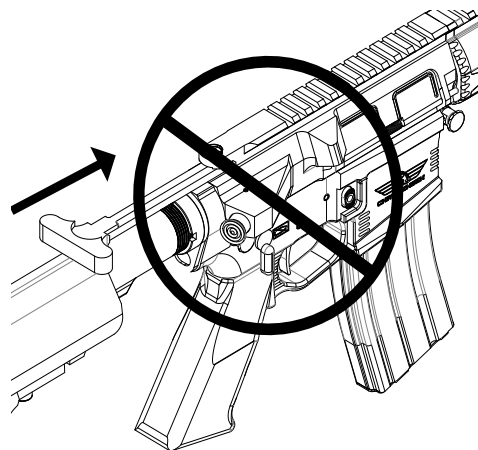
NOTE: While firing, the bolt carrier assembly will automatically lock to the rear when the last round in the magazine is fired and the rifle is empty. Reload by pressing the magazine catch button to remove the empty magazine, insert a loaded magazine and press the top of the bolt catch or pull the charging handle to the rear and release it (preferred).

CAUTION: NEVER "RIDE" THE CHARGING HANDLE FORWARD. LET IT SLIDE FORWARD AT FULL SPEED

NOTE: The cartridges in a fully loaded magazine can be packed tight and require firm upward pressure to assure that the magazine catch holds the magazine. It is always easiest to insert the magazine when the bolt carrier assembly (U-3) is locked to the rear. Using the charging handle to release the bolt carrier assembly provides more energy for chambering.

Your CA-15 is equipped with a forward assist mechanism. The mechanism is NOT intended to force a cartridge into the chamber if the cartridge does not fully chamber under the power of the recoil spring. If you encounter a cartridge that will not chamber, remove the magazine and clear the offending round. Clean the rifle if needed, reinstall the magazine and allow the carrier assembly to go forward under its own power. If you are not sure if you have fully chambered a cartridge or not, you can partially retract the bolt carrier to visually inspect for a cartridge. After partially retracting the bolt, the recoil spring may not have enough energy to re-lock the bolt. If this occurs, the forward assist mechanism may be used to re-chamber/re-lock a round that has already been fully chambered.

CAUTION: THE FORWARD ASSIST MECHANISM IS NOT INTENDED TO FORCE THE EXTRACTOR OVER A PARTIALLY CHAMBERED CARTRIDGE. FORCING THE FORWARD ASSIST MAY DAMAGE IT AND MAY RESULT IN A CARTRIDGE THAT IS WEDGED TOO TIGHTLY INTO THE CHAMBER.

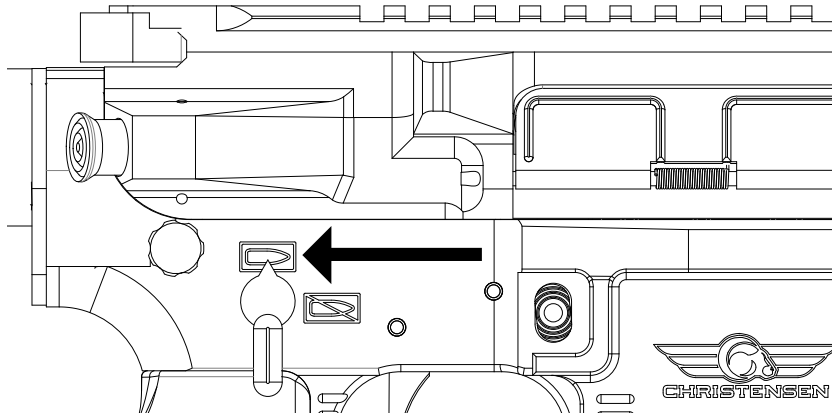


FIRING

Aim at the target. Set the safety selector (L-22) to "FIRE," grip the rifle firmly, and pull the trigger (L-30) increasing the pressure until the shot fires.

WARNING: KEEP THE SAFETY ON SAFE UNTIL YOU ARE READY TO SHOOT. UNLOAD AND CLEAR YOUR RIFLE BEFORE LEAVING THE SAFE POSITION.

CAUTION: DO NOT REST THE RIFLE ON ITS MAGAZINE WHEN YOU ARE LOADING OR FIRING IT. DOING SO CAN FORCE THE MAGAZINE UP INTO THE RIFLE, REDUCING THE RELIABILITY OF FEEDING CARTRIDGES.



CLEANING / UNLOADING THE FIREARM

WARNING: ALWAYS ASSUME ALL FIREARMS ARE LOADED. ANYTIME YOU HANDLE A FIREARM, YOU SHOULD IMMEDIATELY INSPECT IT TO ASSURE THAT IT IS COMPLETELY UNLOADED. WARNING: YOU MUST KNOW HOW TO UNLOAD AND CLEAR YOUR FIREARM.

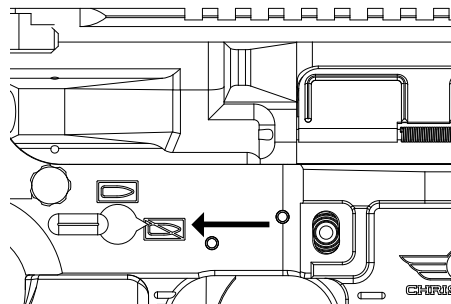
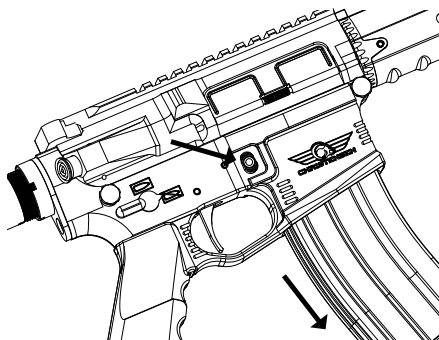
Keep your rifle cleared when not in use.

1. Place safety selector (L-24) on "SAFE."

NOTE: if the rifle is not cocked, the lever cannot be pointed toward SAFE.

2. Remove the magazine by depressing the magazine release button (L-18) and pulling the magazine down.

CAUTION: THE MAGAZINE WILL FALL FREE WHEN THE MAGAZINE RELEASE IS PRESSED. DON'T ALLOW THE MAGAZINE TO FALL ONTO A HARD SURFACE. DOING SO MAY DAMAGE THE MAGAZINE.



3. Extract the cartridge (if any) from the chamber. To lock the bolt open, pull the charging handle rearward, press the bottom of the bolt stop (L-13), and allow the bolt to move forward until the bolt stop restrains it. Return the charging handle forward.

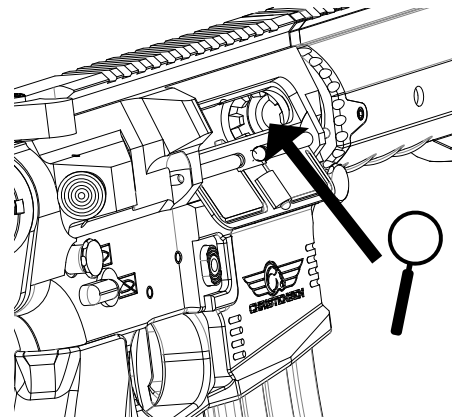
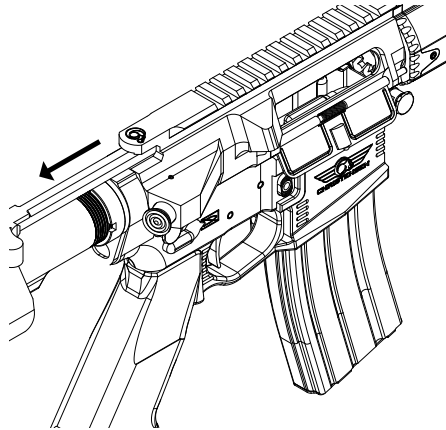
4. Look into the receiver and chamber to ensure that these areas contain no ammunition.

5. Empty all remaining cartridges from your magazine.

WARNING: NEVER ASSUME THAT THE CHAMBER IS EMPTY UNTIL YOU HAVE VISUALLY EXAMINED IT AND SEE THAT IT IS EMPTY.

WARNING: THE STEPS IN UNLOADING YOUR FIREARM MUST BE FOLLOWED IN THE EXACT ORDER GIVEN. THE MAGAZINE MUST BE REMOVED BEFORE THE CHAMBER IS INSPECTED. IF YOU CLEAR THE CARTRIDGE FROM THE CHAMBER AND THEN CLOSE THE BOLT WHILE A

LOADED MAGAZINE IS STILL ATTACHED, THE FIREARM WILL CHAMBER ANOTHER CARTRIDGE FROM THE MAGAZINE AND THE FIREARM WILL STILL BE LOADED. REMEMBER THAT A CARTRIDGE IN THE CHAMBER CAN STILL BE FIRED EVEN AFTER THE MAGAZINE IS REMOVED.



DISASSEMBLY

WARNING: ALWAYS UNLOAD YOUR FIREARM BEFORE CLEANING, LUBRICATION, DISASSEMBLY OR REASSEMBLY.

WARNING: ALWAYS WEAR SAFETY GLASSES WHEN DISASSEMBLING, MAINTAINING OR ASSEMBLING YOUR FIREARM.

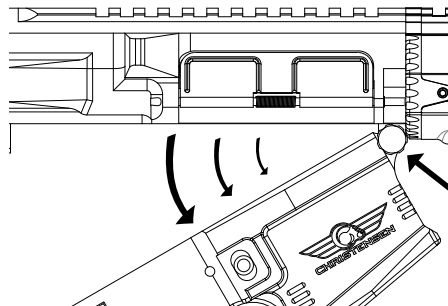
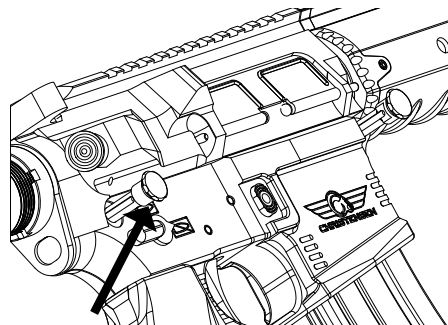
CLEARING THE RIFLE

IMPORTANT: Put the safety selector (L-24) on "SAFE." Remove the magazine, THEN pull back the charging handle (U-2) and check the chamber.

UPPER AND LOWER RECEIVERS

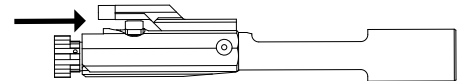
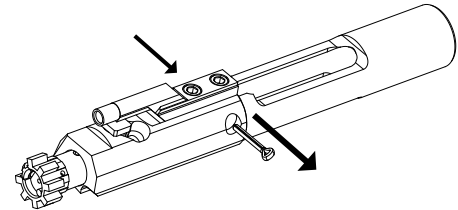
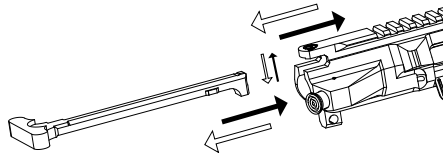
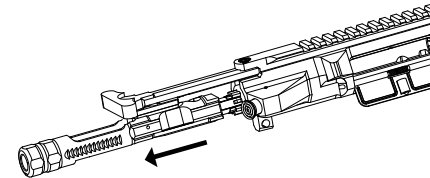
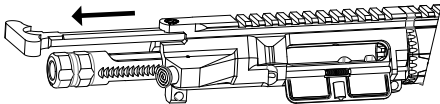
1. Pull the takedown pin (L-23) until it stops.
2. Pivot the upper receiver (U-1) from the lower receiver (L-1).
3. Pull the receiver pivot pin (L-20) until it stops.
4. Separate the upper and lower receivers.

CAUTION: EXCESS FORCE CAN SEVERELY DAMAGE THE RECEIVER.



CHARGING HANDLE AND BOLT CARRIER ASSEMBLY

1. Pull back the charging handle (U-2) and bolt carrier assembly (U-3).
2. Remove the bolt carrier assembly.
3. Pull the charging handle back and down to remove it.
4. Move the bolt assembly (BC-8) forward to the unlock position and remove the firing pin retaining pin (BC-1). Do not open or close the split end of the firing pin retaining pin.
5. Push in on the bolt assembly (BC-8) to put it in the locked position.



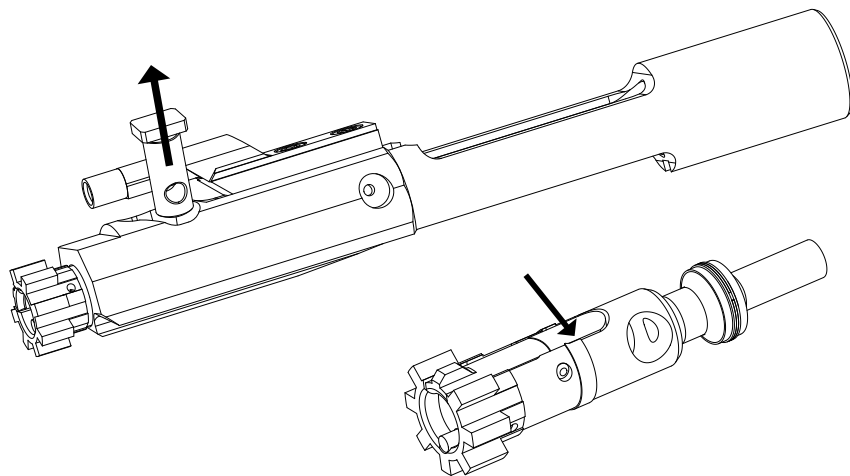
DISASSEMBLY (continued)

6. Catch the firing pin as it drops out of the rear of the bolt carrier assembly. There is no need to remove the bolt return spring (piston only).

7. Lift out the cam pin.

8. Remove the bolt assembly from the bolt carrier assembly.

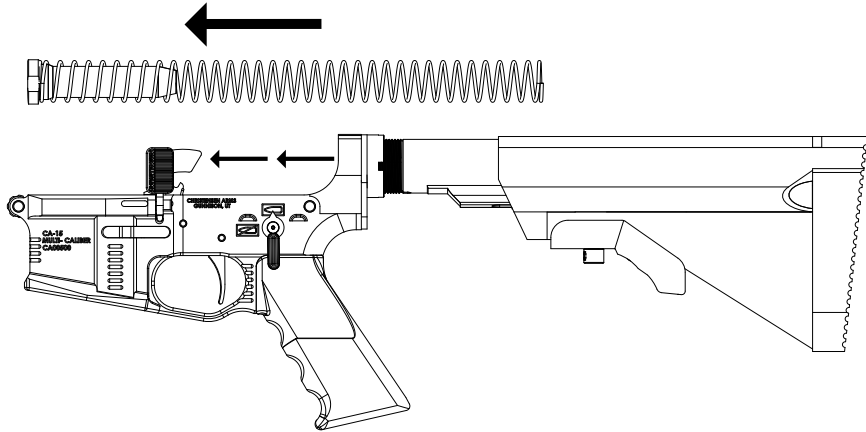
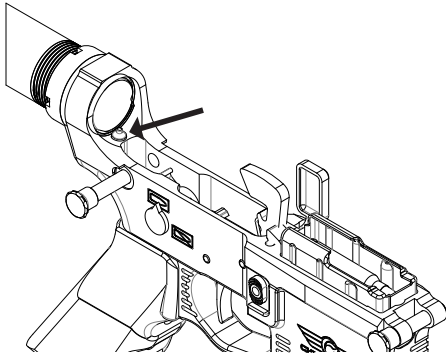
9. Press the rear of the extractor to check that the spring works.



DISASSEMBLY (continued)

REMOVING BUFFER AND BUFFER SPRING

1. Compress buffer detent
2. Remove buffer and buffer spring from buffer tube. CAUTION - Buffer spring is compressed and will project out of tube when buffer detent is compressed.



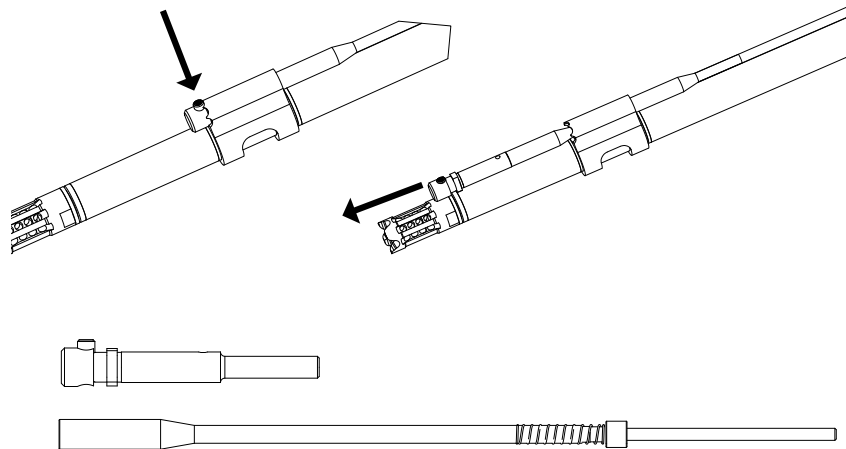
DISASSEMBLY (continued)

DISSASSEMBLY AND CLEANING OF PISTON SYSTEM

NOTE: The Christensen Arms Piston System keeps the hot burning gases from entering the receiver. This means the normal time and energy exerted on cleaning your CA-15 will be drastically reduced.

To clean our system, simply wipe off the parts with a dry, clean towel. To access the operating rod for cleaning, simply press the detent button and turn the gas plug knob to the 9 o'clock position. Then remove the drive rod and gas plug. Wipe the outside off with a dry, clean towel and spot clean with your choice of solvent and a nylon brush as needed.

NOTE: If you find an area that has heavy build-up of carbon which will not come off with solvent, use a knife, pick or some type of scraping tool to remove the heavy spots. Due to our meloniting process the parts are virtually scratch proof and shouldn't show any wear. Once cleaned, replace the drive rod and plug. Oiling the piston system is not necessary; however, if you choose to do so, apply only a thin coat over the moving parts.



THE GAS SETTINGS AND HOW TO ADJUST

Our Piston System comes with a gas block that has a four-position adjustable gas plug, which allows the shooter to adjust the amount of gas pressure allowed to cycle the system and allows access to the operating rod for cleaning and maintenance. The four settings are positioned at the 9 o'clock, 12 o'clock, 1 o'clock and 3 o'clock positions while facing the front of the gas block and are called "Removal," "High," "Low," and "Off" respectively.

The 9 o'clock or "Removal" position unlocks the gas plug from the gas block. This position will allow you to remove the gas plug and drive rod for cleaning and maintenance. Once completed, replace the gas plug and drive rod into the gas block at the 9 o'clock position. Press the detent button and rotate clockwise to the desired gas setting for firing.

The 12 o'clock or "High" position opens the gas flow completely allowing the firearm to use the normal amount of gas pressure. With this position you may fire semi-automatic as the rifle was originally designed to. If the firearm is functioning correctly you will be expelling

empty casings between the 2 and 4 o'clock positions from the receiver consistently. The 1 o'clock or "Low" setting is recommended for use with a sound suppressor. Because a suppressor adds length to the barrel, the amount of back pressure from the round is increased. By turning the gas plug clockwise to the 1 o'clock position, the increased amount of back pressure will not enter into the piston chamber, allowing the CA to function as it was designed.

The last position is the 3 o'clock or "Off" position. This effectively stops the firearm from cycling its action. While the round in the chamber will still fire, all of the gases are vented out of the front of the chamber and will require the shooter to manually work the action of the CA by pulling back on charging handle. Essentially, this turns the CA into a bolt-action gun. This position is used mostly for those with suppressors that do not want the sound of the action overpowering the sounds suppressed by the suppressor.

MAINTENANCE

WARNING: ALWAYS UNLOAD YOUR FIREARM BEFORE CLEANING, LUBRICATION, DISASSEMBLY OR REASSEMBLY.

WARNING: DO NOT APPLY LUBRICANT OR PRESERVATIVE TO YOUR AMMUNITION. DOING SO MAY CAUSE THE CARTRIDGE TO PARTIALLY MALFUNCTION, LEAVING THE BULLET LODGED IN THE BORE, CREATING A BORE OBSTRUCTION.

CLEANING SOLVENTS AND LUBRICANTS

The military generally uses a multipurpose chemical called CLP (cleaner, lubricant and preservative) sold commercially as “Break

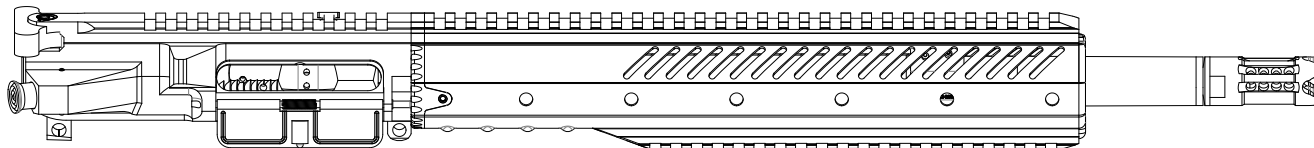
Free.” Although it is useful if nothing else is available, armament engineers prefer individual, specialized products. A combination of military RBC (rifle bore cleaner) and LSA (lubricant, semifluid, automatic firearms) is superior. We recommend using high quality solvents to remove metal fouling from the bore very well and increase reliability and service life. Lubricate your rifle (especially the highly stressed bolt and bolt carrier assembly) generously with high quality firearms lubricants. Under NO condition should any lubricant containing graphite be used with your rifle. Graphite can encourage rapid corrosion to the aircraft-grade aluminum used in your rifle. In addition to cleaning solvents and lubricants,

the basic cleaning equipment you will need includes a cleaning rod, a brass bore brush, chamber brushes, a toothbrush, patches, pipe cleaners, and the most important item: a lint-free cloth. Christensen Arms recommends a pull through cleaning cable for efficient breech-to-muzzle cleaning.

UPPER RECEIVER AND BARREL ASSEMBLY

NOTE: Do not reverse the direction of the bore brush while it is in the bore.

1. Use cleaning solvent on the bore and chamber, the gas tube, the upper receiver and barrel assembly, locking lugs and all areas of powder fouling, corrosion, dirt and dust.



Use a cleaning rod, bore brush and cleaning solvent. Run the rod through the chamber and flash suppressor (U-18) (if applicable) several times.

CARBON MAINTENANCE

- Clean with any household cleaner
- Use gun oil or WD40 on the barrel and wipe dry to restore original look

WARNING: LEAD MAY BE PRESENT IN THE FOULING OF A DIRTY RIFLE. AVOID CONTACT WITH IT, AND CLEAN HANDS AFTERWARD TO AVOID INGESTING LEAD.

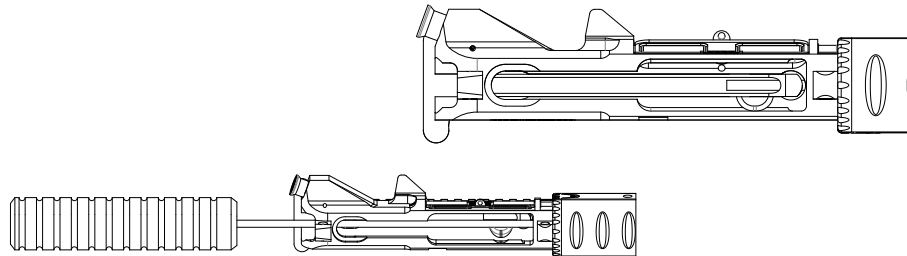
CAUTION: DO NOT REVERSE THE DIRECTION OF THE BORE BRUSH WHILE IT IS IN THE BORE.

2. Install the chamber brush on the cleaning rod, dip it in cleaning solvent and insert into the chamber and locking lugs. Clean by pushing and twisting the cleaning rod.

3. Use a worn out bore brush to clean the

outside surface of the protruding gas tube (U-9) (get the sides and bottom from the bottom of the upper receiver). This procedure ruins the brush.

NOTE: Gas tubes will discolor from heat. Do not try to remove this discoloration.



MAINTENANCE (continued)

CAUTION: DO NOT TRY TO CLEAN THE INSIDE OF THE GAS TUBE.

CAUTION: DO NOT BEND THE GAS TUBE. IF THE TUBE IS BENT IT WILL SLOW OR BLOCK FORWARD MOVEMENT OF THE BOLT CARRIER ASSEMBLY.

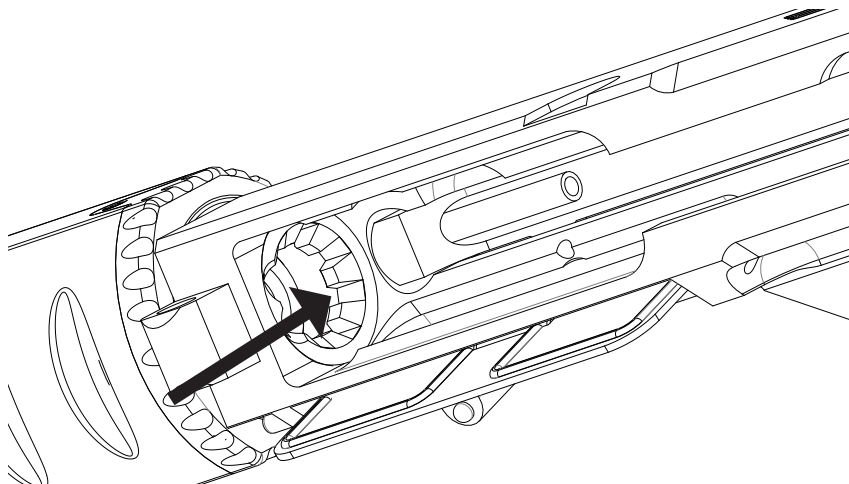
4. Take the bore brush off the rod and install a swab holder and swab. Apply cleaning solvent to the swab, then run it through the chamber and out the flash suppressor (U-18) (if applicable). To remove carbon build up, let the solvent sit, then wipe clean. A bore brush may be used with care to remove heavy carbon buildup. Wipe the bore dry by running clean swabs all the way through from the chamber to the flash suppressor.

REMEMBER: Do not change directions in the bore. Inspect the barrel, gas tube and hand guards for cracks, bends or breaks. Be sure the barrel has no obstructions.

5. Lightly lubricate the bore and chamber, outer surface of the barrel and the surfaces under the hand guards.

6. With a lubricated swab, run the rod from the receiver to the flash suppressor (if applicable). Do not over lubricate.

7. Lubricate the locking lugs.



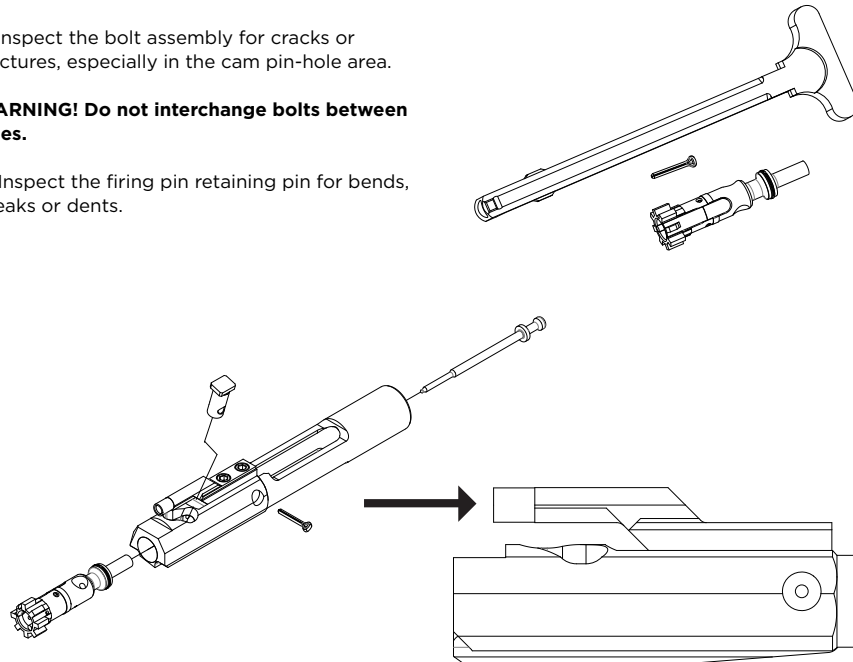
CHARGING HANDLE AND BOLT CARRIER ASSEMBLY

1. Clean all parts and outer surfaces of the bolt carrier assembly with a swab saturated with cleaning solvent.
2. Clean the bolt carrier key (BC-7) with a worn bore brush dipped in solvent and dry with a pipe cleaner.
3. Remove carbon deposits and dirt from the locking lugs with a bore brush dipped in solvent.
4. Clean the areas behind the bolt ring (B-1) and under the lip of the extractor (B-6).
5. Press the ejector (B-10) in repeatedly to remove accumulated brass shavings from the ejector hole and assure the ejector moves freely. Lubricate it generously.
6. Inspect the charging handle for cracks, bends or breaks.

7. Inspect the bolt assembly for cracks or fractures, especially in the cam pin-hole area.

WARNING! Do not interchange bolts between rifles.

8. Inspect the firing pin retaining pin for bends, breaks or dents.



MAINTENANCE (continued)

9. Inspect the cam pin for cracks or chips.

10. Inspect the firing pin for bends, cracks, chips or a blunted tip.

11. Lightly lubricate the firing pin and firing pin recess in the bolt assembly.

12. Generously lubricate the outside of the cam pin and the firing pin retaining pin. Make certain to lubricate the cam pin hole, bolt ring and outside of the bolt.

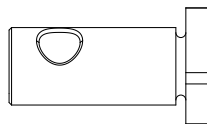
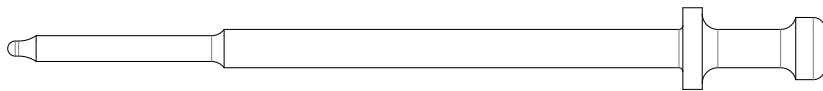
13. Lightly lubricate the inner and outer surfaces of the bolt carrier. Generously lubricate the side and the cam pin area of the bolt carrier.

14. Lightly lubricate the charging handle.

15. Dry the key (BC-7) of the bolt carrier assembly with pipe cleaner. Place one drop of lubricant inside the bolt carrier key.

NOTE: Carbon in the groove at the

bottom of the gas cylinder in the carrier cannot accumulate enough to become a problem. Efforts to remove it cause more damage than leaving it. Avoid the instinct to over-clean your rifle.

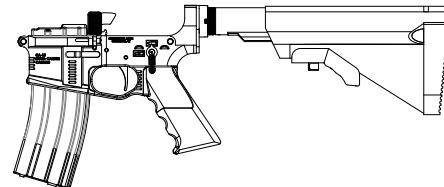
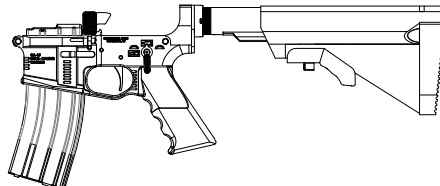


LOWER RECEIVER ASSEMBLY

CAUTION: DO NOT USE A WIRE BRUSH OR ANY TYPE OF ABRASIVE MATERIAL TO CLEAN ALUMINUM SURFACES

1. Wipe dirt from the trigger with a swab.
2. Use a swab and cleaning brush to clean powder fowling, corrosion and dirt from the lower receiver.
3. Use pipe cleaner to clean the butt stock screw vent hole.
4. Clean the buffer (L-5), operating spring (L-4) and the inside lower receiver with a swab dipped in solvent.
5. Lightly lubricate the buffer and operating spring.
6. Examine the lower receiver assembly for a broken or bent trigger, butt stock, corroded or deformed lower receiver, cracked or damaged grip, and bent or damaged safety. Look at the inside parts for cracks, dents or breaks.

7. Generously lubricate the takedown, (L-23) pivot pins, (L-20) and the inside parts of the lower receiver assembly



LONG TERM STORAGE

Clean your firearm well and apply a good quality preservative.

It is at least theoretically possible for some springs to take a set during prolonged storage. To preclude this possibility, Christensen Arms offers the following recommendations regarding long term storage of your firearm.

Clear all cartridges from your firearm. Remove the magazine. Pull back the charging handle and visually confirm that the chamber is empty and that there is no cartridge held to the bolt face by the extractor. Then check it again. While pointed in a safe direction dry fire the rifle to re-set the hammer to the fired position.

It is always best to store your magazines empty. However if you need to store them loaded, we recommend that you store them with 5 rounds less than their stated capacity.

When you're taking your firearm out of long term storage, remove the preservative and lubricate as stated elsewhere in this manual.

REASSEMBLY

WARNING: ALWAYS UNLOAD YOUR FIREARM BEFORE CLEANING, LUBRICATION, DISASSEMBLY OR REASSEMBLY.

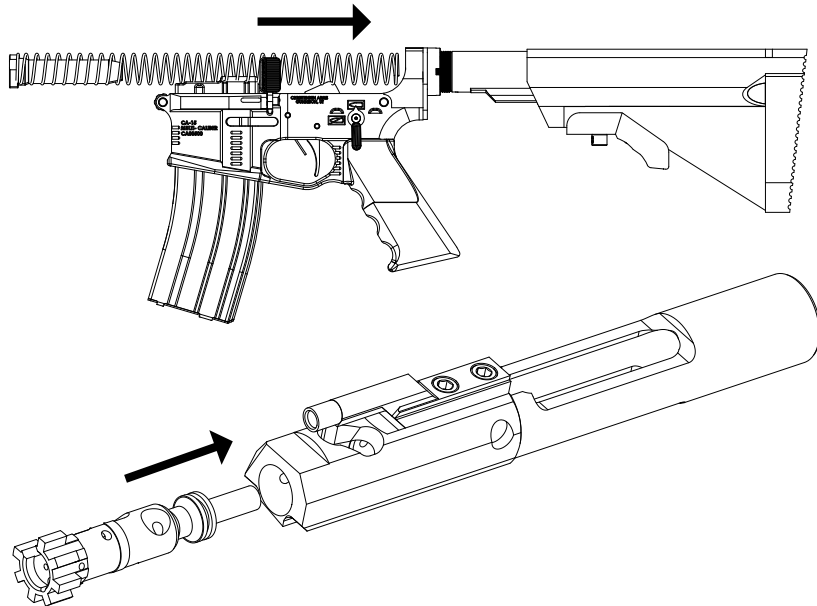
LOWER RECEIVER ASSEMBLY

Insert operating spring and buffer.

CHARGING HANDLE AND BOLT CARRIER

1. Slide the bolt assembly into the bolt carrier assembly.

CAUTION: ONLY INSERT THE BOLT INTO THE CARRIER FAR ENOUGH TO INSERT THE CAM PIN. IF YOU INSERT THE BOLT TOO DEEPLY WITHOUT THE CAM PIN IN PLACE, THE BOLT RING MAY JAM IN THE BACK OF THE CARRIER. IF THIS HAPPENS, YOU MAY NEED TO WIGGLE THE BOLT TO REMOVE IT. IN SOME CASES IT MIGHT REQUIRE DRIVING THE BOLT FORWARD WITH A BRASS ROD, DESTROYING THE BOLT RING. ONCE THE CAM PIN IS IN PLACE, THE BOLT CANNOT BE PUSHED FAR ENOUGH INTO THE CARRIER TO CAUSE A PROBLEM.



REASSEMBLY (continued)

2. Insert Cam pin.

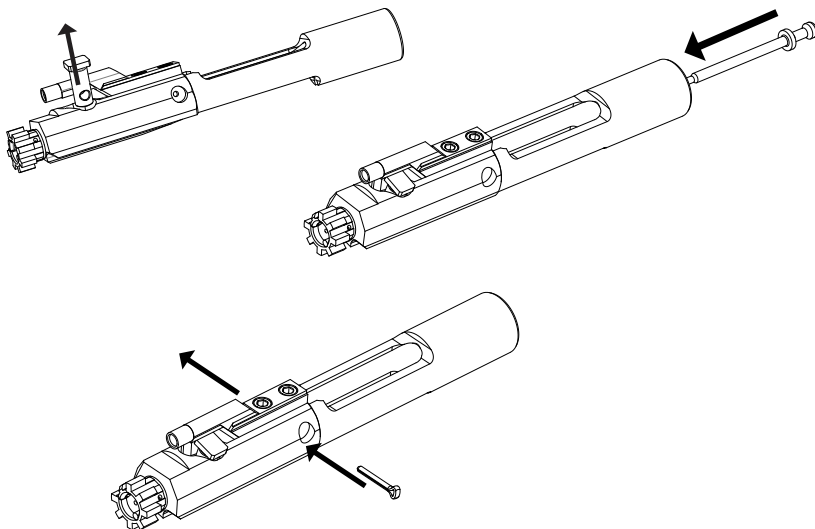
3. Drop firing pin into its opening.

CAUTION: THE TIGHT END OF THE FIRING PIN SPRING ENGAGES A GROOVE ON THE FIRING PIN WHICH PREVENTS LOSING THE SPRING. DURING ASSEMBLY OF THE BOLT CARRIER GROUP, PRESS THE FIRING PIN FORWARD ABOUT 1/8 INCH AFTER FEELING SPRING RESISTANCE. HOLD THE FIRING PIN IN AND INSERT THE FIRING PIN RETAINING PIN.

4. Pull the bolt assembly forward and insert the firing pin retaining pin in the area behind the large flange of the firing pin.

CAUTION: DO NOT POUND OR FORCE THE FIRING PIN RETAINING PIN INTO POSITION; IT MAY BE DAMAGED.

5. Turn the bolt carrier assembly up and try to shake out the firing pin. The firing pin should remain in place.



6. Place the charging handle into the upper receiver and engage the handle's lugs with the track in the receiver, then push the charging handle part way into the upper receiver.

7. Slide the bolt carrier assembly, bolt extended, into the upper receiver.

8. Push the charging handle assembly and bolt carrier assembly together into the upper receiver.

UPPER AND LOWER RECEIVERS

NOTE: The hammer must be in cocked position to join the receivers.

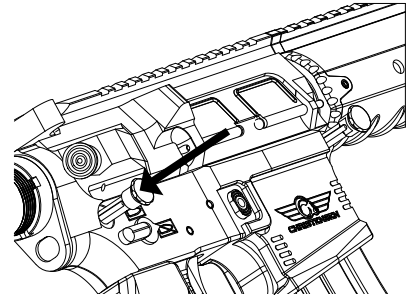
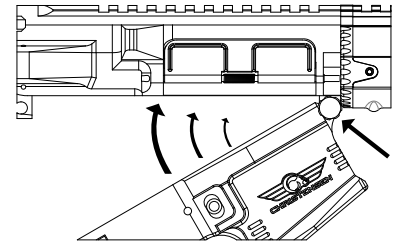
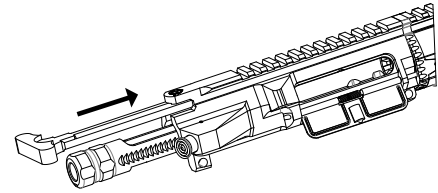
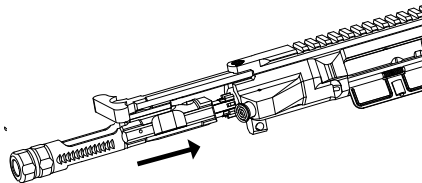
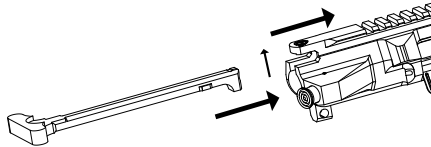
1. Join the upper and lower receivers.

2. Align the pivot pin holes with the pivot pin and push the pivot pin (L-20) in.

CAUTION: TO AVOID DAMAGE TO THE EJECTION PORT COVER, CLOSE THE EJECTION PORT COVER BEFORE THE RECEIVERS ARE JOINED.

3. Close the upper and lower receivers. Push in the takedown pin (L-23).

NOTE: Normal forging and manufacturing variations may result in slight overhang or play. This will not affect function or accuracy.



REASSEMBLY (continued)

HANDGUARDS

1. Replace hand guard by sliding it over the barrel and screwing it back on the base threads until it is tight and the sling swivels are pointing straight down.

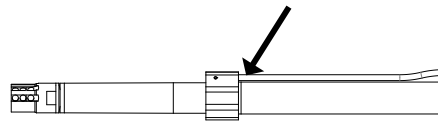
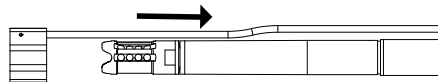
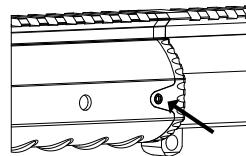
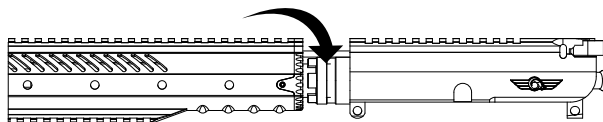
2. Screw in the hand guard set screws until tight.

3. Slide the gas block and gas tube over the barrel with the gas tube going into the hand guard.

WARNING: BE GENTLE IN FINDING THE GAS HOLE FOR THE GAS TUBE. FEEL AROUND THE GAS HOLE UNTIL YOU FEEL THE GAS TUBE SLIP INTO THE HOLE.

4. Once the gas tube is in the hole, press firmly until the gas block sits up tight against the set shoulder on the barrel.

5. Tighten set screws on the gas block.

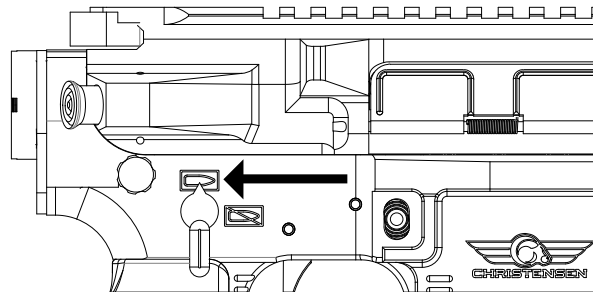
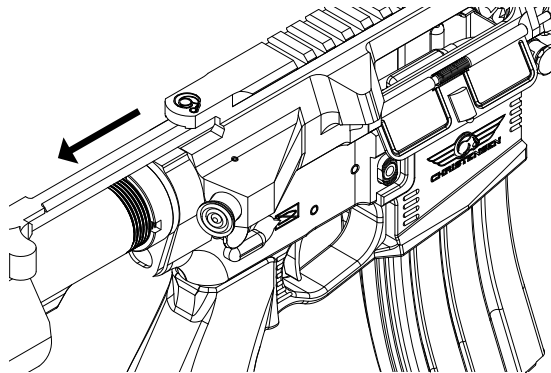


FUNCTIONAL CHECK

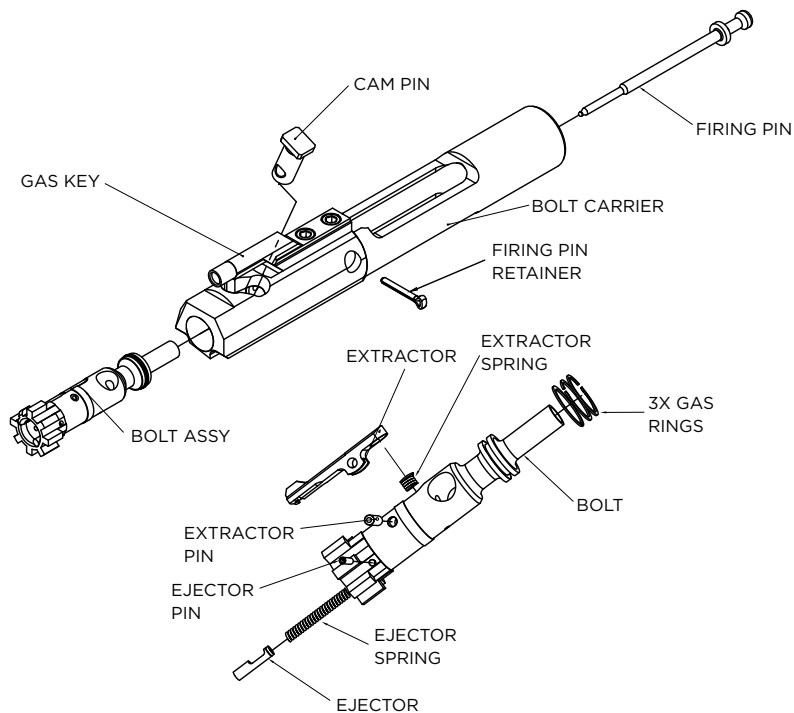
FUNCTIONAL CHECK

1. Remove the magazine and visually inspect the chamber to assure that it is empty. Install an empty magazine and ensure that it is caught solidly by the magazine catch. Remove the magazine.
2. Pull the charging handle to the rear and then manually return it forward. The bolt should remain to the rear against the bolt stop. Remove the magazine. Press in the bolt stop. (L-13) The bolt carrier assembly should be propelled forward by the operating spring.
3. Place the safety (L-24) on "SAFE." Squeeze the trigger. The hammer should not fall.
4. Place the safety on "FIRE." Squeeze the trigger and hold the trigger to the rear; the hammer should fall. Pull the charging handle to the rear and release it. Release the trigger. You should hear a click as you release the trigger. Squeeze again: the hammer should fall.

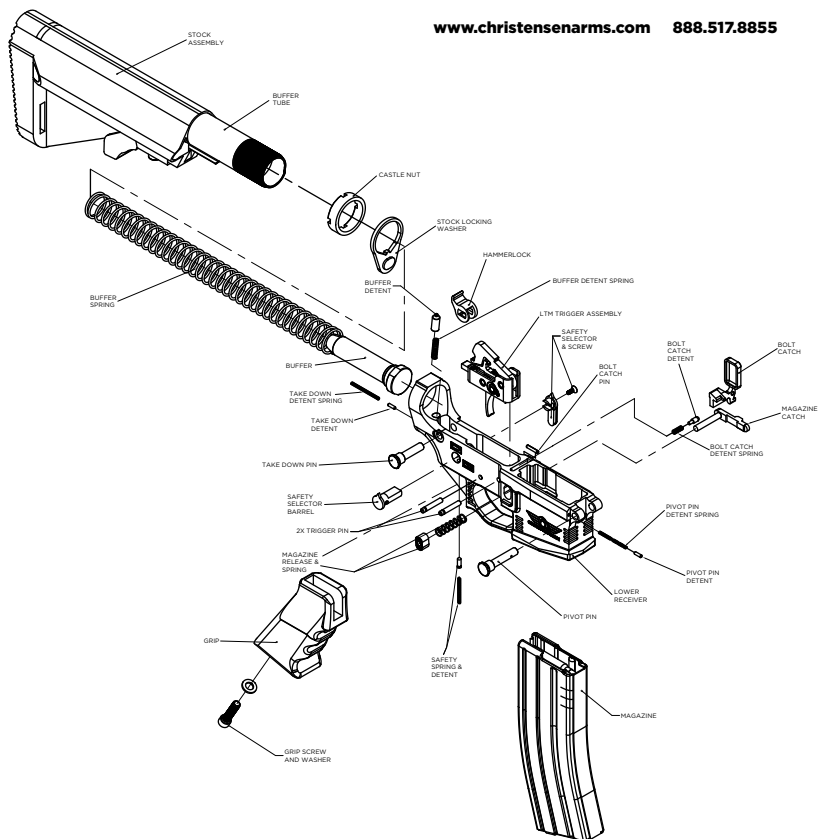
IF YOUR RIFLE FAILS EITHER TEST, CALL CHRISTENSEN ARMS AT (888) 517-8855.



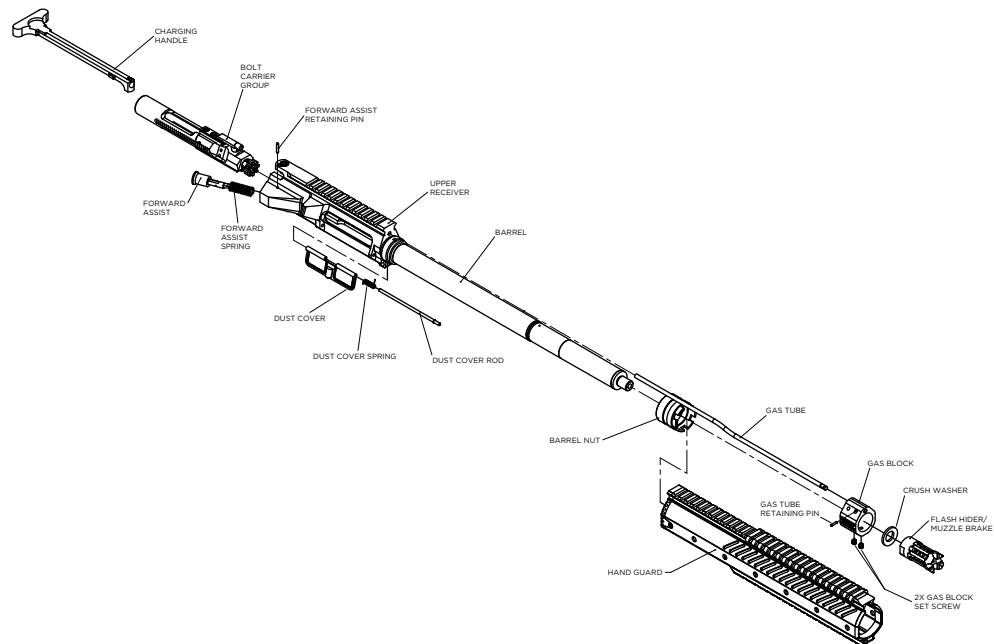
EXPLODED DIAGRAMS BOLT CARRIER GROUP GAS



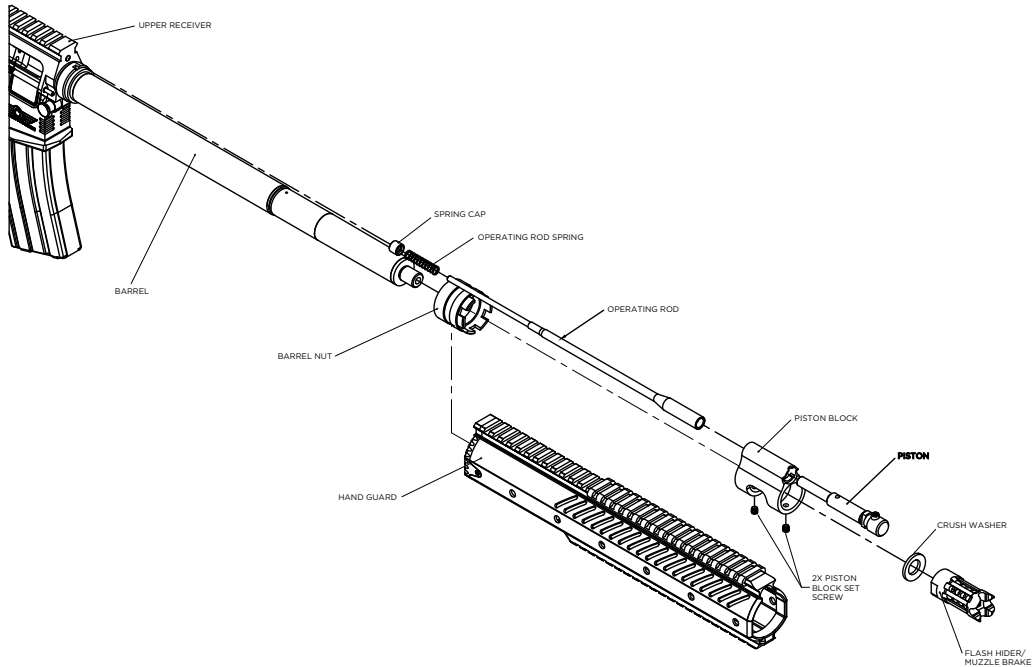
EXPLODED DIAGRAMS LOWER ASSEMBLY



EXPLODED DIAGRAMS UPPER ASSEMBLY



EXPLODED DIAGRAMS PISTON ASSEMBLY



TROUBLESHOOTING

PROBLEM

CHECK FOR

WHAT TO DO

WON'T FIRE

- Selector lever on "SAFE" Improper assembly of firing pin
- Oil or fouling in bolt Defective ammunition
- Too much Carbon on firing pin Bolt not fully locked

- Put it on "FIRE"
- Assemble correctly

NOTE: the retaining pin goes in back of large firing pin

- Clean with pipe cleaner
- Remove and discard
- Clean
- Extract cartridge, clear area

BOLT WON'T LOCK

- Dirty bolt Burred or broken bolt
- Dirt, corrosion or carbon buildup in barrel locking lugs
- Wrong ammunition

- Clean
- Contact Christensen Arms

WON'T EXTRACT

- Broken extractor spring
- Inner spring or reinforcement ring missing from extractor spring
- Dirty, corroded or reloaded ammunition
- Carbon in chamber
- Frozen or worn extractor
- Restricted buffer assembly
- Restricted movement of bolt carrier assembly

- Replace
- Replace
- Remove and discard
- Clean chamber
- Remove and clean
- Remove and clean
- Remove, clean and lubricate

TROUBLESHOOTING

PROBLEM	CHECK FOR	WHAT TO DO
WON'T EXTRACT	<ul style="list-style-type: none"> - Clogged gas tube - Short recoil 	<ul style="list-style-type: none"> - Replace - See below
WON'T FEED	<ul style="list-style-type: none"> - Dirty, corroded or reloaded ammunition - Dirty or defective magazine - Too many rounds in magazine - Buffer assembly is restricted - Magazine not fully seated 	<ul style="list-style-type: none"> - Remove and discard - Clean and lubricate or replace - Remove excess rounds - Take out and clean buffer and spring - Adjust magazine catch: Press button right side, and turn catch on left.
	<ul style="list-style-type: none"> - Short recoil 	<ul style="list-style-type: none"> - Clockwise tightens - See Below
DOUBLE FEED	<ul style="list-style-type: none"> - Defective magazine 	<ul style="list-style-type: none"> - Replace
WON'T CHAMBER	<ul style="list-style-type: none"> - Dirty, corroded or defective ammunition - Ejector stuck - Carbon in carrier key or chamber 	<ul style="list-style-type: none"> - Remove and discard - Clean and oil - Clean
SHORT RECOIL	<ul style="list-style-type: none"> - Bolt ring worn or too loose - Carbon or dirt in carrier key or on outside of gas tube - Q-tip / pipe cleaner stuck inside carrier key 	<ul style="list-style-type: none"> - Replace - Clean - Remove

TROUBLESHOOTING

PROBLEM

CHECK FOR

WHAT TO DO

SHORT RECOIL

- Loss of gas power
- Weak or reloaded ammunition
- Dirty rifle
- Improper lubrication

- Check entire gas path
- Replace with factory fresh ammunition
- Clean
- Lubricate generously

BOLT FAILS TO LOCK CLOSES AFTER LAST ROUND SELECTOR LEVER BINDS

- Defective magazine
- Defective magazine
- Needs oil
- Dirt or sand under trigger

- Replace
- Clean or replace
- Lubricate
- Clean

BOLT CARRIER "HUNG UP"

- Round jammed between bolt and charging handle and / or double feed

1. Remove magazine
 2. Push in on bottom of bolt catch
 3. Gang rifle butt on ground, bolt should shift to rear
 4. While bolt is held to rear, round should fall out through magazine well
- NOTE: If this procedure fails, use a cleaning rod to push bolt fully to the rear through the ejection port.

WARRANTY AND GUARANTEE INFORMATION

WARRANTY

Christensen Arms® firearms are warranted against manufacturing defects for a period of 30 days from point of sale (cosmetic defects excluded). Christensen Arms will repair or replace defective parts or provide refunds at their own discretion. No refunds considered after 30 days. All returns must be completed via RMA process by contacting Christensen Arms.

GUARANTEE

CA-15 and CA-10 rifles come with an MOA accuracy guarantee. Customer is responsible to ensure proper break-in of the firearm during the warranty period, select appropriate ammunition, and use proper conditions.

DISCLAIMER

Christensen Arms® delivers a firearm free of defects. Our guarantee requires that firearm owners safely handle, properly break in, and properly maintain the firearm. Improper use or owner modifications to the firearm voids the guarantee and warranty.

RETURN AND REFUND POLICIES

If you purchased a product from Christensen Arms and are not completely satisfied with it, you can request an RMA (Return Merchandise Authorization) Form from Christensen Arms within 30 days from the shipping date of your order. We do not accept returns if an RMA is not requested from us within 30 days from the original shipment.

Christensen Arms contact information for returns:

Mailing Address:
Christensen Arms
Atten: Sales
PO Box 142
550 North Cemetery Rd
Gunnison, UT 84634
Toll Free (888) 517-8855
www.christensenarms.com

YOU MUST get your RMA from Christensen Arms prior to returning the merchandise and receiving a refund. Include your original invoice (from the Christensen Arms dealer) with your return and a letter explaining the reason

for your return. Ship via UPS, Fed Ex or US Mail; Insured and Return Receipt Requested. Credit will be issued for the item, minus full shipping charges and a 15% restocking fee.

- ALL original materials must be included in your return. The cost of any materials NOT included will be deducted from the refund.
- Shipping costs are not refundable.
- Merchandise must be in new resalable condition, in the factory original packaging and must include instructions, owner's manual, and all accessories provided by the manufacturer. Our returns specialist will inspect all returns.

Returns must be received within 14 days from the date the RMA is issued. Partial returns and/or damages will not receive a full credit. Items damaged through "wear and tear" or due to return shipping will receive partial or no credit at the discretion of Christensen Arms.

**WARNING: IT IS THE OWNER'S
RESPONSIBILITY TO ASSURE THAT ALL**

**PARTS PURCHASED FROM CHRISTENSEN
ARMS ARE CORRECTLY FITTED AND
INSTALLED. IMPROPER FITTING OR
INSTALLATION MAY RESULT IN INJURY,
DEATH, OR DAMAGE TO THE FIREARM.**

If you have any questions about the firearm, or have any suggestions for improvements, please contact us at:

Christensen Arms
PO Box 142
550 North Cemetery Rd
Gunnison, Ut 84634
Toll Free (888) 517-8855
www.christensenarms.com

**WARNING: THIS FIREARM IS NOT
RATED FOR FULLY AUTOMATIC
OPERATION. ANY DAMAGE OR
MALFUNCTION DUE TO FULLY
AUTOMATIC OPERATION AND ANY
OTHER MODIFICATION TO THIS
FIREARM WILL VOID ANY LIABILITY
AND/OR WARRANTY FROM
CHRISTENSEN ARMS.**





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LIGHTWEIGHT. ACCURATE. DEPENDABLE.



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