



# CROSSFIRE

FIRESTICK™ TECHNOLOGY

Owner's Manual

FOR MORE INFORMATION PLEASE SEE THESE INSTRUCTIONAL VIDEOS:  
[www.youtube.com/@CVA](http://www.youtube.com/@CVA)

**WARNING: YOU ARE RESPONSIBLE FOR FIREARM SAFETY! AS A GUN OWNER, YOU MUST ACCEPT A SET OF DEMANDING RESPONSIBILITIES AT ALL TIMES AND YOU MUST HANDLE YOUR GUN WITH RESPECT FOR ITS POTENTIAL DANGERS. THE INFORMATION CONTAINED IN THIS MANUAL IS CRITICAL FOR THE PROPER USE AND CARE OF YOUR CVA GUN. DO NOT ATTEMPT TO LOAD OR FIRE YOUR GUN UNTIL YOU READ AND THOROUGHLY UNDERSTAND THIS INFORMATION. YOU ARE LIABLE FOR ANY DAMAGES CAUSED TO YOURSELF OR TO A THIRD PARTY THAT MAY ARISE FROM NEGLIGENT USE NOT IN ACCORDANCE WITH THIS DOCUMENT.**

We at CVA would like to thank you for purchasing our product. You have our assurance that the CVA gun you have chosen has been manufactured to exacting tolerances and has passed rigid quality control standards before being shipped on to you, our customer. You must remember, however, that no amount of engineering, precision manufacturing, or safety inspections can replace the common sense and safe gun handling habits for which you are solely responsible. Some portions of this pamphlet are printed in **RED** to emphasize their special importance. However, this should in no way lessen the importance of the rest of this pamphlet. Even the smallest and most innocent safety violations can result in tragic loss.

**THE SAFETY MECHANISM ON YOUR FIREARM IS A MECHANICAL DEVICE. LIKE ALL MECHANICAL DEVICES THE POSSIBILITY OF FAILURE IS ALWAYS PRESENT. YOU, AND ONLY YOU, ARE RESPONSIBLE FOR SAFELY CONTROLLING THE MUZZLE OF YOUR GUN. NO MECHANICAL SAFETY SHOULD EVER BE RELIED UPON TO TAKE THE PLACE OF SAFE GUN HANDLING! MAKE SURE THAT THE MUZZLE OF YOUR GUN IS ALWAYS POINTING IN A SAFE DIRECTION.**

### **THE TEN COMMANDMENTS OF FIREARM SAFETY**

1. Always keep the gun's muzzle pointed in a safe direction.
2. Be sure of your target and what is beyond it.
3. Never rely on a gun's mechanical "safety." Keep your finger off the trigger and out of the trigger guard until you are ready to fire.
4. The gun should remain unloaded until ready to use.
5. Always wear hearing and eye protection.
6. Make sure that the barrel is clear of all obstructions before loading and shooting.
7. Handle every gun as if it were loaded.
8. Store guns and ammo separate and in a locked area.
9. Avoid alcoholic beverages and drugs before and during the use of a firearm.
10. Never bring a loaded firearm into a building or transport a loaded firearm in a vehicle of any kind.

**SAFETY CONSIDERATIONS FOR MUZZLELOADERS CAREFULLY READ THIS SECTION, AS THESE SAFETY CONCERNS ARE APPLICABLE TO MUZZLELOADERS AND, IN SOME INSTANCES, CENTERFIRE GUNS AS WELL.** If you have questions, doubts, or concerns, please call CVA Customer Service at 770-449-4687.

1. Never smoke when shooting or handling a firearm or related equipment. Ashes and/or loose sparks may cause powder or caps/primers to ignite, resulting in personal injury or death.
2. Always wear eye protection. Flying debris from the breech area and muzzle are common with any firearm.
3. Always check to make sure your firearm is in good working order before use. Test the hammer, trigger, and breech carefully prior to loading. Check the barrel for obstructions, as any obstruction can cause the barrel to burst causing severe injury or death.
4. When loading, always use a ramrod that is marked to indicate when the bullet is fully seated. This will ensure that bullets are not “short seated,” (leaving an air space between the propellant and the bullet) which could produce dangerous pressures in the barrel.
5. Use only the recommended loading data published specifically for your muzzleloader. Other models of muzzleloaders may have different powder charge and/or bullet requirements and limitations. Improper loading or overloading of a muzzleloader can result in severe injury or death.
6. Never prime or cap a muzzleloader until you are ready to fire. The primer/cap should always be removed when walking, climbing trees or fences, transferring the gun from one person to another, leaving the gun unattended, etc.
7. Never lean a loaded muzzleloader against a wall, tree, vehicle, or other surface. Any fall of a loaded gun may result in an accidental firing of the gun, which may result in severe injury or death.
8. Never transport a loaded muzzleloader in any type of vehicle. A muzzleloader is considered loaded until powder, bullet, and primer/cap have been removed. (In the case of the Crossfire, the Firestick™ propellant capsule must be removed.)
9. Never give, or accept from anyone else, a loaded muzzleloader. Only the party who loaded, or witnessed the loading of, the muzzleloader should fire it. This practice will help prevent dangerous double-loading which, when fired, may result in severe injury or death.
10. Never store a loaded muzzleloader. The bullet, powder, and primer/cap should be removed, and the gun cleaned prior to storage.
11. Never load a muzzleloader without first making sure the barrel is unloaded and unobstructed.
12. Use extreme caution when hunting from a tree stand. The accidental

- dropping of a muzzleloader may cause a discharge, which could result in severe injury or death. Be sure the muzzleloader is not primed and/or is unloaded before raising or lowering it into the tree stand.
13. Never rely upon a mechanical safety! Muzzleloaders should always be handled as if ready to fire, regardless of the position or condition of the mechanical safety.
  14. Always use proper cleaning procedures. Firing of an improperly maintained or corroded muzzleloader may lead to unsafe pressure conditions and/or cause the barrel to rupture resulting in severe injury or death.
  15. Make sure the projectile is fully seated on the powder charge in a muzzleloader (or on the “seating ring” in the case of the Crossfire). The firing of a “short start,” or improperly seated bullet, may cause the barrel to burst resulting in severe injury or death.
  16. Always keep the barrel pointed in a safe direction when loading. Never allow the barrel to point at anything that you do not wish to shoot.

### **SAFETY CONSIDERATIONS UNIQUE TO THE CVA CROSSFIRE**

**CAREFULLY READ THIS SECTION, AS THESE SAFETY CONCERNS ARE APPLICABLE SPECIFICALLY TO THE CVA CROSSFIRE MUZZLELOADING RIFLE.** If you have questions, doubts, or concerns, please call CVA Customer Service at 770-449-4687.

1. Use only Federal® Firestick™ propellant capsule in the CROSSFIRE rifle.
2. Never attempt to reuse a spent Firestick™ propellant capsule by reloading it with propellant of any kind.
3. Never attempt to load a CROSSFIRE rifle with conventional loose or pelletized muzzleloading propellants.
4. Never place the 209 Shotshell Primer into the Firestick™ propellant capsule until you are ready to fire.
5. **Never attempt to seat a projectile on top of a primed Firestick™ propellant capsule.**
6. Never attempt to load any kind of center-fire ammunition into the CROSSFIRE muzzleloader.

The CVA muzzleloader you have purchased is one of the most advanced and easy to use guns in the muzzleloading market. This pamphlet will teach you the basics of how to operate your gun in a safe and efficient manner. Certain sections of this pamphlet are written in **RED** to stress their importance in respect to safety. Be sure you also read the safety instructions completely before loading your gun. If you sell, trade, or give this gun to any other person, please make sure a copy of this pamphlet accompanies the gun. Replacement pamphlets are available from CVA Customer Service.

You can contact CVA Customer Service by mail, telephone, or e-mail.

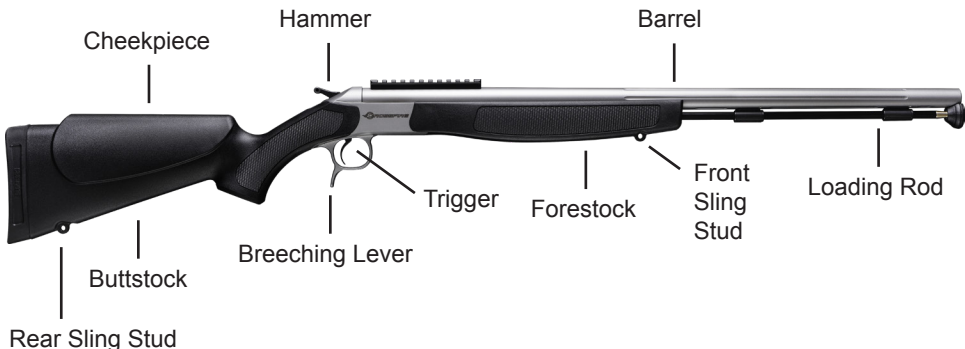
**BPI OUTDOORS, INC**  
**ATTN: CUSTOMER SERVICE DEPT.**  
**1270 PROGRESS CENTER AVE. • SUITE 100 •**  
**LAWRENCEVILLE, GA 30043**  
**770-449-4687 (8:30 TO 4:00 EST)**  
**contact@bpiguns.com**

THE INFORMATION CONTAINED IN THIS PAMPHLET IS CRITICAL FOR THE PROPER USE AND CARE OF YOUR GUN. DO NOT ATTEMPT TO LOAD OR FIRE YOUR GUN UNTIL YOU HAVE READ THIS MANUAL IN ITS ENTIRETY. FAILURE TO DO SO MAY RESULT IN ACCIDENTS THAT CAN CAUSE SERIOUS INJURY OR DEATH TO THE SHOOTER OR BYSTANDERS. IN THE EVENT OF NON-COMPLIANCE WITH THESE INSTRUCTIONS, YOU ARE LIABLE FOR DAMAGES CAUSED TO YOURSELF OR TO A THIRD PARTY RESULTING FROM NEGLIGENT USE.

FOR ADDITIONAL INSTRUCTIONS ON MUZZLELOADING PLEASE VISIT OUR WEB SITE AT [HTTP://WWW.YOUTUBE.COM/@CVA/VIDEOS](http://www.youtube.com/@CVA/VIDEOS) AND CLICK ON “MUZZLELOADER BASICS.” THIS ON-LINE INSTRUCTION VIDEO SUPPLEMENTS THIS MANUAL AND ENSURES THAT YOUR MUZZLELOADING EXPERIENCE IS SAFE AND ENJOYABLE.

Your CVA Muzzleloader has unique features that you must become familiar with. These features are illustrated in the drawing below. Please take time to become familiar with your rifle or pistol and to learn to properly manipulate the breeching lever, hammer, and trigger functions before attempting to load or fire your gun.

### CVA CROSSFIRE





## GETTING STARTED

Your CROSSFIRE rifle is a break-action muzzleloader. The barrel and receiver are joined by a pin that makes the assembly, in effect, a pivoting hinge. By pulling the breeching lever, which is integral to the trigger guard, to the rear, the barrel will pivot or “break” open revealing the chamber of the CROSSFIRE rifle. This design makes your gun easy to load, prime, and clean.

All controls are ambidextrous, making your gun ideal for both right and left-handed shooters.

Your CROSSFIRE utilizes a Federal® Firestick™ propellant capsule primed with a 209 Shotshell Primer to fire a muzzleloading projectile. Firesticks™ come in charges of 120 grains, 100 grains, and 80 grains. The CROSSFIRE can be used with any of them.

The firing mechanism of the CROSSFIRE utilizes a “hammer blocking safety” design, which means that the hammer is blocked from striking the firing pin unless the trigger is fully depressed. This design will prevent the gun from firing if the hammer is accidentally dropped while cocking or uncocking.

After fully reading this pamphlet:

1. Remove the gun and related tools from the box.
2. Pull the breeching lever rearward until the action unlocks. Pivot the barrel forward to open the breech. Verify the gun is unloaded by looking through the barrel. If you cannot see light through the barrel, you must assume it is loaded. Use a range rod (longer than the under-barrel rod) to push any load or obstruction out of the barrel.
3. Check all mechanical features of the rifle to be sure all are operating correctly. This includes opening and closing the breech, cocking, and releasing the hammer, checking the function of the firing pin assembly (with the breech open pull the trigger back and then push the hammer forward – the firing pin should be visible only when the hammer is forward and should recess back into the frame when the hammer is released).

4. Clean the shipping grease from the inside of the barrel.

### **FOR YOUR SAFETY AND THE SAFETY OF OTHERS:**

CVA encourages you to take a certified hunter's safety course before using this gun or any other firearm. Consult the Game and Fish authorities in your area or your local sporting goods dealer for information on courses available. Even if you do not intend to hunt game animals, the information and training gained from taking a hunter's safety course can help in preventing dangerous or fatal accidents from happening.

Discharging firearms in a poorly ventilated area and/or handling ammunition may cause exposure to lead or lead compounds. According to the state of California, exposure to lead or lead compounds may cause cancer, birth defects, or other reproductive harm. Make sure that you always have proper ventilation. Be sure to wash your hands thoroughly after shooting, handling ammunition, or cleaning your firearms. Do not eat or smoke during these activities.

### **BASIC NEEDS & LOADING ACCESSORIES FOR THE CROSSFIRE™**

- Projectiles - PowerBelt™ Bullets or other approved muzzleloading projectiles
- Propellant – ONLY Federal® Firestick™ propellant capsules  
-- *Note: Only use new factory loaded Firesticks™*
- Ignition Source – 209 Shotshell Primers
- Bullet Starter - To start the bullet into the bore
- Range Rod - To make loading at the range more convenient and/or for use in cleaning – the under-barrel rod is best used only for field loading
- Safety Equipment - Good quality safety glasses and hearing protection

### **BASIC CLEANING ACCESSORIES**

- Cleaning Solvent - For easy cleaning of the bore and external metal surfaces
- Gun Oil – For lubrication of parts and rust prevention in the bore and all external metal surfaces
- Cleaning Patches - Both dry and solvent-soaked for swabbing the bore, wiping the external surfaces, and drying the gun
- Cleaning Jag - Retains the patch on the cleaning rod or range rod
- Barrel Bore Brush - To loosen and remove hard deposits and fouling from the bore of the barrel.

*Note: CVA's Barrel Blaster™ line of cleaning solvents and accessories are highly recommended - refer to your CVA catalog for details or visit:*

*[www.bpioutdoors.com/CVA](http://www.bpioutdoors.com/CVA)*



## PROPELLANT FOR THE CROSSFIRE™

Only use factory loaded Federal® Firestick™ propellant capsule in the CROSSFIRE™. These are available either 80, 100 grain (standard) or 120 grain (magnum) equivalents.

## PROJECTILES FOR THE CROSSFIRE™

**PowerBelt™ Bullets** – PowerBelt Bullets are the factory recommended projectiles for all CVA muzzleloaders. PowerBelt™ Bullets are conical bullets with a patented plastic base designed to seal the bore and trap the propellant's pressure. This provides consistent velocities and unsurpassed accuracy. Unlike sabots, however, the PowerBelt™ bullet is easy to load and leaves no plastic residue to foul the barrel. PowerBelt™ Bullets are also full caliber diameter to deliver the maximum energy possible out of a muzzleloader. PowerBelt™ Bullets are available in a variety of designs and weights, allowing shooters to select the best version for the size of the game being hunted and the shot distance.

**SABOTED BULLETS** - The sabot is a plastic sleeve that is utilized to hold a smaller-than-bore diameter bullet tightly in the bore. The rifling in the bore engages the plastic sabot rather than the bullet itself. Saboted bullets from several manufacturers have been tested and found to function in CVA muzzleloaders when used in accordance with the manufacturer's instructions. However, most sabots leave a heavy plastic residue in the bore requiring cleaning of the bore after every shot. This plastic residue along with the extremely tight fit of most sabots makes loading for quick follow-up shots very difficult.

**LEAD CONICALS** - CVA does NOT recommend lead conical bullets for use in the Crossfire.

## IGNITION SOURCE FOR THE CROSSFIRE™

209 Shotshell Primers - The number 209 Shotshell Primer is the only ignition source to be used with the Federal® Firestick™ propellant capsule.

## INTERNAL BULLET SEATING RING

The loading sequence for the Crossfire is slightly different from conventional in-line muzzleloaders because it is no longer required to measure your powder charge and pour it into the muzzle. Therefore, there is no powder charge present to regulate where to seat the bullet. The Crossfire features a Bullet Seating Ring installed in front of the chamber to correctly position the bullet in front of the Firestick™ propellant capsule. This seating ring can be seen when looking through the barrel. You will also notice it while cleaning since the cleaning jag will stop against the seating ring and not pass through. Use caution while cleaning so that you do not damage the seating ring with the jag. The Bullet Seating Ring is permanently installed

in the barrel at the factory. **Do not make any attempt at removing this important part from your barrel.** Removal, or attempts at removing the ring will void your warranty and compromise the function and safe loading of your rifle.

## LOADING YOUR CVA CROSSFIRE

First, before loading you must make sure that the barrel is unloaded and free of obstructions. The best way is to breech open the rifle and look through the barrel. If you cannot see light through the barrel, there is a load or other obstruction that must be removed. Use a range ramrod (longer than the under-barrel loading ramrod) to push any load or obstruction out of the barrel. The range ramrod must pass through the internal bullet seating ring. Push the bullet or obstruction from the breech end to the muzzle end and out of the barrel.

Next, check the mechanical features of the rifle to be sure all are operating correctly, including opening and closing the breech, cocking and releasing the hammer, and checking the function of the firing pin assembly (with the breech open pull the trigger back and then push the hammer forward – the firing pin should be visible only when the hammer is pressed forward and should recess back into the frame when the hammer is released). **If any of these mechanisms are not functioning correctly, do not load or attempt to fire the rifle, as doing so may be dangerous to the shooter or to bystanders.**

Now you are ready to load and fire your CROSSFIRE rifle. Follow the below steps, and **always in this order...**

1. Open the breech of the rifle and check the barrel bore to be sure it is clear of any obstruction.
2. Close the breech of the rifle.
3. Place the bullet into the muzzle of the gun.
4. Start the bullet down the barrel with the Short Starter.
5. Use the Loading Rod to push the bullet the rest of the way down the barrel until it seats firmly on the Bullet Seating Ring inside the barrel (this is a good time to mark the ramrod at the muzzle, which will provide a visual indicator to confirm that the bullet is fully seated in subsequent loadings).
6. Open the breech of the rifle.
7. Insert a Federal® Firestick™ propellant capsule into the chamber.
8. Place a 209 Shotshell primer into the primer cavity in the rear of the Firestick™.
9. Firmly close the breech of the rifle (see next section below).
10. Point the muzzle of the rifle in a safe direction.
11. Cock the hammer.
12. Pull the trigger to fire.



Firestick™ correctly inserted in CROSSFIRE chamber and primed

### **WHY NOT TO EASE THE BREECH CLOSED AS QUIETLY AS POSSIBLE?**

Your CVA CROSSFIRE has a built-in safety feature that you may notice if the gun is closed too easily. The internal workings of the breeching lever and the hammer are purposely designed to interfere with one another if the receiver and barrel are not securely locked together. This prevents the hammer from cocking in a potentially unsafe state. The accuracy of your rifle is also best when you develop the habit of closing the gun firmly and consistently, the same way for every shot.

### **SAFE SHOOTING OF YOUR CVA CROSSFIRE**

Always judge your target carefully. Know what is beyond the target in case of a miss or full penetration. You should always place the target in front of a backstop of dirt or heavy timbers when target shooting. When hunting, be sure of what is beyond the target. Do not shoot if your bullet may enter a camp, cross a road, or head toward a house or building.

If you have cocked your rifle but decide not to fire it, you must lower the hammer to a safe position. To do so correctly, point the gun in a safe direction, hold the hammer firmly in the rearward position with your thumb and pull the trigger. **As you begin lowering the hammer, remove your finger from the trigger and continue to lower the hammer gently until it stops. The hammer blocking safety will not engage if the trigger remains in the rearward position while lowering the hammer.**

### **UNLOADING YOUR CVA CROSSFIRE MUZZLELOADER**

To fully unload your CROSSFIRE rifle you must remove the primer, Firestick™ propellant capsule and the bullet from the barrel. To do so, follow the below steps...

1. Open the breech of the rifle.
2. Remove the 209 Shotshell Primer from the Firestick™ propellant capsule.
3. Remove the Firestick™ propellant capsule from the breech of the rifle.
4. Using a range rod (longer than the length of the barrel) with the jag removed (to allow passage through the Bullet Seating Ring), push the bullet out of the barrel from breech to muzzle. (Note that some rods may have too large an outside diameter to pass through the Bullet

Seating Ring, so be sure to obtain a range/cleaning rod with an outside diameter small enough to pass through the Bullet Seating Ring. Any centerfire rifle cleaning rod should work for this purpose.)

### **HAMMER SPUR**

CVA break-action muzzleloaders come with a reversible hammer spur that can be used on either side of the hammer.

### **PALMSAVER® RAMROD**

Your CVA comes with our PalmSaver® loading aid in the accessory kit. The PalmSaver® provides you with a broad, comfortable surface for pushing the bullet down the bore. To use the PalmSaver®, turn it onto the threaded jag on the ramrod. It can stay in place when shooting the gun. If you need to use the jag in the field, simply remove the PalmSaver®. Doing so provides you with an efficient range rod for loading and cleaning your barrel.



PalmSaver®

### **CLEANING YOUR CVA CROSSFIRE™**

Due to the corrosive nature of all muzzleloading powders, unless your barrel is Nitride treated, you must make cleaning a top priority as soon after shooting as possible. Neglecting this responsibility could result in a damaged barrel. An important thing to remember is that proper cleaning is just as important for stainless steel guns as it is for blued steel guns. Although stainless steel guns are more resistant to rust and corrosion for a short time, they will eventually rust and corrode just as will blued steel if not properly maintained. Nitride treated barrels will resist corrosion longer than will stainless steel or blued steel barrel but should still be cleaned within several days after firing (see below).

### **SPECIAL NOTE FOR CVA NITRIDE TREATED BARRELS**

The “Nitride process” is a treatment that is applied to a stainless-steel barrel and is featured on several CVA models. This process is not coating or paint, but rather a chemical treatment that hardens the outer layers of the steel by bringing the carbon within the steel to the outermost layers of the barrel. The Nitride process turns the stainless steel a rich black color and makes the internal and external surfaces so hard that rust cannot penetrate. Therefore, all CVA muzzleloaders with the Nitride treated barrel have a 5-year guarantee against permanent rust damage to the inside (bore)

or outside of the barrel. However, the Nitride process is not suitable for the breech plug, springs, bushings, etc. These untreated parts must be cleaned and maintained in the same fashion as with any other muzzleloader. Therefore, CVA guns with Nitride treated barrels should still be properly cleaned and maintained for best service life. The Nitride treatment will, however, enable shooters to delay barrel cleaning for a much longer period without fear of serious rust accumulation or permanent barrel damage caused by such accumulation (pitting). A good rule-of-thumb to follow with Nitride treated barrel is to clean it within one week of firing.

## CLEANING PROCEDURE

1. Verify gun is unloaded.
2. Using a properly fitting screwdriver, remove the screw from the center of the fore stock.
3. Pull the breeching lever to the rear and open the action.
4. Using a jag on a cleaning rod, push a solvent soaked patch or two through the barrel from the muzzle end to remove the bulk of the fouling from the bore. Note that the jag will stop when it hits the Bullet Seating Ring near the breech of the rifle. If necessary, the Firestick™ chamber can be cleaned from the breech end of the barrel.
5. Place a properly fitting bore brush on the rod and make several full-length strokes through the barrel. The brush should be wet with solvent for this step.
6. Remove the brush from the rod and use the jag to push several patches damp with solvent through the bore. Allow the solvent to work for a minute or two and follow with dry, clean patches. Repeat until the barrel is clean. Use a good quality non-petroleum gun oil to protect the bore. CVA Barrel Blaster Rust Prevent Patches are excellent for this.
7. Use a patch wet with solvent to scrub the breech face and other action areas that you can reach. Cotton swabs can be used to reach smaller areas. Wipe dry with a clean patch or rag and apply rust preventative.
8. Reassemble the gun and check all mechanical functions. Wipe the entire gun with a rust preventative.
9. Failure to properly maintain your CVA gun can cause damage to the bore and outside surfaces of the barrel. This damage is not covered under warranty.

## MAINTAINING THE FIRING PIN ASSEMBLY

Unlike conventional in-line muzzleloaders, the Crossfire chamber is sealed by the Firestick™ encapsulated powder charge. There is no blow-back from the breechplug to foul the firing pin assembly. Firing pin maintenance in the Crossfire need only be performed when necessary, such as in the event of a ruptured Firestick™ or if the gun becomes wet. To maintain the

firing pin, follow these steps:

1. Verify the gun is unloaded
2. Cock the hammer to expose the rear of the firing pin
3. Remove the screw above the firing pin
4. The firing pin and spring will follow.
5. Clean and lubricate the pin, spring, and the firing pin hole in the frame.
6. Reassemble in reverse order.
7. Test the function of the firing pin by:
  - a. Verify the gun is unloaded.
  - b. Open the rifle to expose the firing pin hole in the breech face.
  - c. Hold the trigger to the rear so that the hammer can be pushed forward into the frame.
  - d. Look to be certain the firing pin protrudes from the firing pin hole and properly retracts into the hole as the hammer is released.
  - e. If the firing pin fails to retract properly when the hammer is released, contact CVA Customer Service regarding professional servicing of the firing pin.

## SIGHT ADJUSTING

Some models come from the factory equipped with fiber-optic open sights. To adjust the sights to the bullet's point of impact you should fire 3 shots at the target before adjusting. Adjust your sights to the center of the group. The "rule of thumb" to remember is that you move the rear sight the same direction that your bullet hit must move. In other words, if you need your group to go to the right, move the rear sight to the right. If you need your group to go up, move the rear sight up.

## SCOPE MOUNTING

Your barrel is drilled and tapped for a scope mount. A telescopic scope can assist in accurate bullet placement during target shooting and hunting (in areas where legal, check your state's regulations). Carefully check the fit of the selected scope base to your barrel. Although the base you select may have come with instructions for installation, please also read the recommendations below. CVA uses and highly recommends DuraSight™ scope mounts and rings.

1. Verify gun is unloaded.
2. Examine the scope mount holes in the barrel. Each hole should have full, sharp threads. Remove any filler screws or other matter from the holes. Clean the threads with a light solvent such as alcohol.
3. Examine each of the mounting screws. Look for bent or broken threads. Check each screw in a hole to ensure that the screw threads easily into place. Clean the threads with a light solvent.

4. Thread locking compounds such as Loctite™242 are recommended. If you desire to use a thread locking product use as little as possible. The best way to use is to apply a small bit to the first 2 or 3 threads of the screw. Placing compound directly into the screw hole nearly always results in the compound being forced out and under the base, resulting in uneven contact between the base and barrel and possible accuracy problems.
5. Place the base onto the barrel and fully tighten one screw. Check to see if the base is held tightly to the barrel. If it is, loosen the screw and install another. Check each screw individually in this manner to make sure that each screw is doing its job. If you find a screw that is not securing the base on its own, investigate the cause and correct before moving on.
6. When all screws have been tested, secure the base by tightening all screws evenly. Recommended torque is 15–25-inch pounds.
7. Carefully mount the rings to the scope following the manufacturer's recommendations.

*Note: In many cases you must remove the rear sight when installing the scope. This can be avoided if desired by using a scope mounting system of the “see through” design. However, for best results, the scope should be mounted as low to the barrel as possible.*

## **REPAIR AND SERVICE**

In the case that your CVA gun needs repair or service, we recommend that you return it postage paid to our facility. This will assure that your gun is worked on by trained, qualified gunsmiths. CVA will pay for return shipping but will not pay for the shipment to CVA.

For the best service please follow these steps:

1. Contact CVA Customer Service by email at [contact@bpiguns.com](mailto:contact@bpiguns.com)
2. A return merchandise authorization will be issued and emailed to you.
3. Make sure your gun is cleaned and unloaded prior to packing and shipping.
4. Pack the gun securely and be sure to enclose the Return Authorizations form. Attach the shipping label to the box and give to any shipping carrier. Retain the tracking and RMA number for your reference.
5. The address for CVA Repair is:

**BPI OUTDOORS**  
**ATTN: CVA REPAIR DEPARTMENT**  
**1270 PROGRESS CENTER AVE., SUITE 100**  
**LAWRENCEVILLE, GA 30043**

You may also contact CVA Customer Service by phone, at 770-440-4687.

Your repair can be sent directly to CVA without a Return Authorization. However, delays in handling may occur.

Small problems and concerns can usually be addressed and resolved with CVA Customer Service without return of the gun.

Most parts are available through CVA Customer Service at a reasonable cost. However, some internal frame parts must be fitted by our gunsmith and are only available as an installed part.

### **CANADA CUSTOMERS:**

For warranty repair needed on any CVA model, please contact CVA Customer Service for information on where to send your CVA rifle or muzzleloader.

### **LIMITED 5-YEAR WARRANTY**

CVA warrants all factory-finished firearms for five years. This limited five-year warranty only applies to the original consumer owner. This warranty is put into effect by the online registration of the authorized warranty card within 15 days of purchase and is not transferable. The warranty information is transmitted electronically via our web site at [www.cva.com/warranty/](http://www.cva.com/warranty/). Your serial number is required for warranty registration. It is located at the bottom of the barrel under the forearm. The last two digits of the serial number are your gun's year of manufacture. Should a customer fail to register their warranty card, warranty coverage will be assessed by proof of purchase and date of manufacture.

Any covered CVA firearm or part thereof that is returned to the Repair Center will be repaired or replaced to our commercial standard, and returned to the shipping address it came from. This warranty does not cover damage to any structures, buildings, vehicles, persons or animals, or any other damage resulting from careless handling, improper loading, handloads, reloads, military surplus ammunition, rust or corrosion, neglect, improper maintenance, or customer alterations.

CVA reserves the right to refuse to repair or replace any firearm or parts thereof damaged by any of the above. The warranty does not cover normal wear of any part, including metal or stock finish, soft touch coatings, camouflage, cost of inconvenience due to product failure, cost of ammunition, or shipping to the Repair Center.



**YOU MUST VERIFY THAT THE GUN IS UNLOADED BEFORE SHIPPING!  
SHIPPING A LOADED GUN IS A CRIME.**

If your gun is loaded and you don't know what to do, please call CVA Customer Service for instructions. It is not only unsafe and irresponsible to ship a loaded gun; **it is a violation of Federal Law that will be reported.** **THERE WILL BE AN ADDITIONAL \$100 CHARGE TO UNLOAD THE GUN.**

This warranty gives you certain specific legal rights. You may also have other rights, which vary from state to state. This warranty is void if:

- Any propellant other than factory loaded Federal® Firestick™ propellant capsules is used.
- Unauthorized repair work has been performed by anyone other than CVA, or a CVA recommended maximum powder charge or bullet weight has been exceeded.
- Any form of plastic patch has been used (sabots and PowerBelt™ Bullets not included).
- Gun is returned in an abused or neglected condition (rusty, corroded, etc.).
- Any failures concerning any non-CVA OEM parts such as a non- CVA accessory breech plug, repair part or barrel.

## **VOLUNTARY RECALL**

In August of 1997, CVA implemented a Voluntary Recall of all in-line gun models with serial numbers ending in -95 or -96.

**Example of a recalled serial number: 61-13-xxxxxx-95**

If you, or someone you know, have a CVA in-line with such a serial number, do not use or allow anyone else to use the gun under any circumstances. Call CVA immediately at 770-449-4687 for complete details and instructions on how to receive a replacement gun.

In May of 1999, BPI Outdoors purchased the assets of Connecticut Valley Arms, Inc. and now operates under the trade name of Connecticut Valley Arms and / or CVA. Any claims related to the above-described Voluntary Recall should be addressed to Connecticut Valley Arms, Inc., not to BPI Outdoors. BPI Outdoors assumes no responsibility for any products manufactured or sold prior to January 1, 1998.

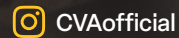
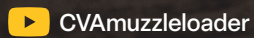
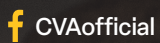






**BPI Outdoors**

1270 Progress Center Ave. Suite 100  
Lawrenceville, GA 30043  
[www.CVA.com](http://www.CVA.com)



**Est. 1971** **Every Season. Every Range.**

Visit [CVA.com](http://CVA.com) to prepare for all of your hunts

No. CF\_MAN • Rev. 07/24