



**WHITE  
MUZZLELOADING**

Performance Others Can Only Shoot For

**M97  
WHITETAIL HUNTER**



# **M97 WHITETAIL HUNTER**

## **OFFICIAL INSTRUCTION MANUAL**

### **A MESSAGE FROM "DOC" WHITE**

Thank you for purchasing our product. My name is Gary "Doc" White. I was born in the West before WW-II and started hunting before I was a boy scout. It just seemed natural to take to the fields and mountains every day I was out of school. I fell in love with old guns and was soon enmeshed in traditional muzzleloading. I built my first muzzleloader before I was 16 and have made hundreds since. It was natural to use the guns I made and the old-time guns I collected for hunting, and I became extremely familiar with the quirks and problems of hunting with primitive single shot arms.

The first rifles I built were frank copies of the old originals, both in flintlock and percussion; that is, until I read Greener's Guns, noting his comments on Jean Samuel Pauly, a displaced Swiss who took out a British patent in 1812 for an in-line percussion action complete with coil spring. All the current fuss over modern looking muzzleloaders is just ridiculous. Coil springed, in-line action muzzle-guns are just as "authentic" and "traditional" as any other sidelock muzzleloading long arm. This knowledge tickled my imagination and I had an in-line rifle designed and shooting by the early 1970's. It proved to have many handling and safety advantages over more primitive muzzleloaders, the best being that it shot as well as any black powder rifle in the same caliber, handled as slickly as any modern firearm, and had a very positive safety. Now, WHITE's new muzzleloading lineup with the White Muzzleloading System is at the pinnacle of muzzleloading development yet remains very much in the muzzleloading envelope. Soon, you too will see why I'm so excited about these rifles. So get out to the range and get shooting! You have chosen what I consider to be the best muzzleloading rifle ever made. And thank you for choosing to be numbered in the ranks of the many hunters and sportsmen enjoying the benefits of WHITE's "Muzzleloading System."

### **A MESSAGE FROM WHITERIFLES, LLC**

Thank you for purchasing our muzzleloading rifles, bullets and accessories. WhiteRifles is proud to have developed these new high performance

muzzleloading rifles, bullets and accessories. Our in-line muzzleloading rifles provide true muzzleloading designs with modern applied technological innovation. We call it "Design Integrated Performance." The results are revolutionizing the muzzleloading industry. You have either purchased a Model 97 Whitetail Hunter) or a W-Series Model 98 Elite Hunter) rifle. These rifles are the finest in-line percussion muzzleloading rifles ever produced. At the heart of each WHITE rifle is Doc White's New "White Muzzleloading System." Doc White's system redefines muzzleloading performance with the most advanced technology that has come to muzzleloading in the past 100 years. The system approaches muzzleloading "holistically," in that it takes formerly separate systems, (i.e., bullet, rifling, ignition, locktime, recoil, and overall gun design), and interlocks them into one functionally interdependent yet functionally elegant system. Just pick up your new WHITE muzzleloading rifle. You will notice its safeties, functionality, pointability and superb balance. Go to the range and you will see and feel what easy loading, reduced recoil, reduced locktime, shot to shot consistency, and down range accuracy really means.

When you take it hunting, be prepared to stare in astonishment as big game collapse under the incredible knockdown power of PowerPunch and PowerStar bullets. You will soon feel the pride and satisfaction of harvesting big game cleanly, reducing wounding loss and conserving our precious wildlife resources.

When you get back from the range or field, you will still have WHITE working for you: reducing maintenance and cleaning to one simple little word - easy! White's Performance Integration and Doc White's System do it all for you! With your new muzzleloading firearm purchase it is now your exclusively from WHITE Rifles.

White is a proud company. We are proud of our heritage. We are proud of our products. And we are very proud of our employees. What makes us proudest is that we have enhanced muzzleloading performance without going outside the muzzleloading envelope.

At White, we see little point in chasing the imaginary claims and advertising hyperbole of others. There's no redemption in muzzleloading products that violate the muzzleloading envelope. We practice pure and simple muzzleloading theology. As a result, we are blessed with true muzzleloading rifle performance and the peace of mind that comes from being at the pinnacle of muzzleloading performance. No gimmicks, no gadgets, no tricks. Just functionally elegant muzzleloading rifles built the time proven way with Advanced Technology, Advanced Designs, Advanced Materials and Advanced Workmanship!

Remember, Design Integrated Performance and the WHITE Muzzleloading System, from our employees to you: anything less than perfection is not an option.

*Congratulations!*

You now own the most advanced muzzleloading rifle available today.

Your WHITE muzzleloading firearm is designed with the goal of providing you with an affordable and technologically advanced muzzleloading firearm that does not compromise safety, strength or effectiveness. Your WHITE in-line action muzzleloading firearm will serve you for a lifetime.

## SAFETY CODE

White firearms are powerful and can be dangerous without proper handling. Always take proper care of your muzzleloading firearm and handle it with caution and safety so that accidents and injuries do not occur. Before you do anything with your new White muzzleloading firearm, read this instruction book very carefully. Also obey the following code:

- CAREFULLY read this instruction manual
- ONLY use Pyrodex, Arco Black Mag, or Black Powder
- ALWAYS use the White double safety system
- ALWAYS assume the firearm is loaded
- ALWAYS point firearm downrange and toward a safe area
- ALWAYS wear hearing and eye protection
- ALWAYS be sure bullet is seated on powder charge
- NEVER use "smokeless" propellants in your rifle

## READ THIS MANUAL

Forget the old adage, "When all else fails, read the instruction manual." This approach could be dangerous and costly. Remember, your WHITE muzzleloading rifle is a powerful firearm. If used improperly, it is capable of harming you and/or those around you.

Read through the entire manual before using your WHITE muzzleloading rifle. Use the table of contents to find the information you need, and always follow the instruction steps carefully.

If you have any problems with your WHITE muzzleloading rifle or have any questions, refer to the "Answers to Common Questions" and the "Troubleshooting" sections first.

### Model Descriptions *G-Series Model 97 Whitetail Hunter*

G-Series rifles were designed specifically for today's Whitetail deer hunter. Whether hunting from a blind, tree stand or still-hunting, G-Series rifles are unique in-line percussion rifles, balanced and designed for optimum whitetail deer hunting performance. Each G-Series rifle is engineered with all the benefits of White's Muzzleloading System. Any rifle of the series will optimize your muzzleloading hunting experience.

All White rifles are made from ordnance-grade stainless steel for strength and durability. Their 22" or 24" barrels provide unsurpassed balance and pointability. The unique side-cocking action of the G-series is designed so that cocking can be performed by the non-shooting hand. This lends itself to easy left or right hand operation. The action's recoil and stock engagement system increases accuracy and minimized felt recoil with heavy loads. Field stripping the G-series is easy and requires no tools. The short throw in-line hammer and internal coiled hammer spring reduces locktime and unleashes the ignition fury of WHITE's exclusive FlashFire one piece nipple/breechplug. FlashFire increases standard #11 percussion cap performance by accelerating flash speed and increasing flash temperature and pressure. FlashFire drives the cap flame deep into the powder charge, igniting the powder from the inside-out, improving powder ignition and firing dependability. The G-series Model 97 is fitted with a fully adjustable custom trigger and is set for a crisp and clean, three and a half to four and a half pound (3 ½ to 4 ½ lb.) trigger release. It is also equipped with custom high visibility, fully adjustable

hunting sights and either WHITE's solid aluminum or Delrin PowerRod™ threaded 10/32 at both ends for add-on shooting accessories. Each PowerRod™ is equipped with an integral bullet puller and cleaning jag. The barreled action is perfectly fitted to a smooth laminate, black hardwood or checkered black composite stock with recoil pad and sling swivel studs. Each stock features a fourteen inch (14") length of pull, a straight comb for undisturbed sight and target acquisition, a hand fitting pistol grip for comfort and rifle control, and a broad English buttstock for quick shouldering pointability, comfort and felt recoil reduction. G-Series rifles drilled and tapped for easy scope or peep sight mounting, and weigh 6-7 pounds depending on Model. Available in standardized calibers of .410 (1 in 18" twist) .451 (1 in 20" twist) and .504 (1 in 24 " twist).

#### Dual Safety Systems G-Series M97 Whitetail Hunter

G-series rifles are equipped with two (2) separate and independent safety systems. These safety systems completely lock the trigger and hammer sear or the hammer. Thoroughly acquaint yourself with the operations of these two (2) safety systems.

**WARNING!** You must have a clear understanding of the operation of both safety systems! Always use these dual safety systems while handling this firearm!

#### **ENGAGING THE SAFETIES**

1. Point your muzzleloader in a safe direction.
2. Pull the primary trigger safety lever, located on the right rear side of the receiver, rearward toward the buttstock. This is the primary trigger "SAFE" position.
3. Pull the hammer cocking handle, located on the left side of the receiver, firmly to the rear until it catches. The muzzleloader is now cocked with the primary trigger safety on "SAFE".
4. Lift the hammer cocking handle from the cocked position upward into the secondary safety receiver cutout. This is the secondary hammer lock "SAFE" position.

#### **DISENGAGING THE SAFETIES**

1. Point your muzzleloader in a safe direction.
2. Push the hammer cocking handle downward into the "Cocked/Fire" position. This is the secondary hammer block safety "FIRE" position.
3. Push the primary trigger safety lever forward toward the muzzle. This is the primary trigger safety "FIRE" position. "Your muzzleloading firearm is now ready to FIRE!"

(Note: Both safeties must be in the "FIRE" position for the firearm to function. If either safety is left on, the hammer will not release to ignite the cap.)

#### **DISASSEMBLY & REASSEMBLY**

**WARNING! BEFORE DISASSEMBLING OR CLEANING YOUR MUZZLELOADING FIREARM, MAKE SURE IT IS UNLOADED! USE YOUR POWERROD™ TO CHECK!**

## **REMOVING THE BARRELED ACTION**

1. Remove the ramrod.
2. Remove the large stock screw located at the mid-forestock in front of the triggerguard.
3. Remove the rear triggerguard screw, if present.
4. Lift the barreled action out of the stock.

## **REMOVING THE TRIGGER ASSEMBLY**

1. Turn the barreled action upside down.
2. The trigger assembly retaining screw is located at the muzzle end of the trigger assembly. Using the allen wrench provided, turn the trigger assembly retaining screw counterclockwise and remove.
3. Remove the trigger assembly.

## **REMOVING THE HAMMER SYSTEM**

1. Place the primary safety lever located at the right rear side of the receiver in the "FIRE" position.
2. Carefully lower the hammer onto the nipple.
3. Unscrew the receiver end cap counterclockwise and remove. (The end cap is located at the rear of the receiver.)

**WARNING!** The end cap is under tension from the hammer spring. Hold on to the end cap firmly while removing!

1. Remove the hammer spring from the receiver.
2. The hammer cocking handle retaining detent should come out with the hammer spring. If not, remove the hammer cocking handle retaining detent from the receiver.
3. Grasp the hammer cocking handle and pull it to the left, straight out from the hammer body.
4. While pulling the trigger, push the hammer body backwards through the end of the receiver. (The hammer cocking handle can be used to push the hammer out of the back receiver.)
5. Grasp the hammer body as it appears at the back of the receiver and remove.

## **REMOVING THE FLASHFIRE NIPPLE/BREECHPLUG**

1. Insert the EasyOut Wrench or a 3/8" inch socket and extension into the rear of the receiver and engage the 3/8" hex nut on the FlashFire nipple/breechplug and turn counterclockwise. (A 3/8" box-end wrench may also be used, engaging the hex nut through the Receiver cutout.)
2. Remove the FlashFire nipple/breechplug from the receiver cutout.
3. When placing the FlashFire nipple/breechplug into the barrel, make sure you place EasyOut Grease on the FlashFire nipple/breechplug threads. Do not over-tighten the FlashFire nipple/breechplug. Tighten the FlashFire nipple/breechplug finger tight only!

Warning! Over-tightening the FlashFire nipple/breechplug may cause it to seize in place when fired!

## **REASSEMBLING THE G-Series M97 Whitetail Hunter**

Reassemble your Model 97 in the following order:

1. Reinstall the FlashFire nipple/breechplug with Super Blue BreechPlug Grease on the threads.
2. Reinstall the trigger assembly.
3. Reinstall the barreled action in the stock.
4. Reassemble the hammer.
5. Reassemble the action, ending with the end cap.

Perform each reassembly step as you did when you removed each part, but in reverse sequence. Here are some helpful tips:

1. Apply Super Blue BreechPlug Grease to the FlashFire nipple/breechplug threads before reassembly.
2. Carefully align the trigger assembly with the trigger cutout in the receiver. Tighten the trigger assembly securely.
3. When reassembling the barreled action, tighten the large stock screw in the mid-forearm of the stock first. Then place the rear triggerguard screw in place and tighten, where present. Try to be consistent. Establish a consistent tightness for each screw each time you reassemble.
4. With the primary trigger safety lever pushed forward in the "Fire" position, insert the hammer assembly into the receiver while pulling the trigger to release the hammer sear. Push the hammer assembly fully forward until it engages the FlashFire nipple/breechplug. Press fit the cocking lever detent into one end of the hammer spring for reassembly.
5. Place the end cap over the hammer spring. While holding the buttstock under the right arm and supporting the stock by holding the stock pistol grip with the right hand, use the right hand thumb to push the end cap forward toward the receiver. The end cap is under spring tension so be careful.
6. Once reassembled, check the rifle for proper fit and function. Make sure both safeties function properly.

**WARNING!** Never attempt to remove the barrel from the action or alter the primary or secondary safeties. These items should only be repaired or serviced at the factory.

## **CLEANING & MAINTENANCE**

We recommend WipeAway Cleaning Solution for all your muzzleloading cleaning needs. WipeAway is a powerful black powder cleaning solution that, when used properly, will keep your firearm clean for a lifetime of use and enjoyment.

### Receiver and Hammer Cleaning

1. Disassemble the action and remove the FlashFire nipple/breechplug according to the instructions preceding this section.
2. Place the disassembled parts into a WipeAway Cleaning Kit Jar and let soak.
3. While parts are soaking, use the included brush and Pre-Saturated WipeAway Patches to scrub the receiver around the breech cutout free of all powder and block back residue. Also scrub scope mounts and scopes if applicable.
4. After cleaning the receiver, scrub each part that has been soaking until clean. Make sure all powder residue is removed.
5. Dry the receiver and each part, then protect with White's Water Displacing Oil.

## Barrel Cleaning & Oiling

1. Screw PowerGrip T- Handle onto the PowerRod™ end opposite from the cleaning jag.
2. Place a WipeAway Pre-Saturated Patch on the ramrod cleaning jag.
3. Work the patch back and forth the full length of the barrel. Repeat this step, replacing pre-saturated patches as necessary until barrel is sparkling clean.
4. Repeat step three above except use dry patches until the bore is completely dry and free from cleaning solution residues.
5. After drying, spray the inside and outside of the barrel and action with White's Water Displacing Oil. 6. Run a pre-saturated White's Water Displacing Oil Patch down the bore with your ramrod/cleaning jag, followed by a dry patch. 7. Finish the bore cleaning process by running a patch, coated with WHITE PowerLube down the barrel.

## Trigger Cleaning & Maintenance

Special attention should be given to the trigger since it is not made of stainless steel and is subject to rust and corrosion. If hunting in inclement conditions, clean, dry and lubricate the trigger assembly often. Make sure you protect the trigger from rust, corrosion and debris.

**WARNING! RUST, CORROSION AND DEBRIS CAN CAUSE THE TRIGGER TO FAIL, THEREBY CAUSING THE FIREARM TO MALFUNCTION WHICH MAY CAUSE SERIOUS INJURY OR DEATH TO THE SHOOTER AND/OR BYSTANDERS.**

1. Inspect the trigger function.
2. Scrub away all powder residues and debris.
3. Lubricate the trigger sear, trigger and safety plate with White's Water Displacing Oil. 4. Inspect for fit and function.

## Reassembly, Inspection & Storage

Now that your WHITE muzzleloading firearm is clean, you can reassemble it following the instructions in the previous Model sections of this manual. After assembly is complete, inspect the sights, ramrod and stock for fit and function. Lightly coat the exterior of the muzzleloader with White's Water Displacing Oil

Keep your WHITE muzzleloading firearm stored, muzzle horizontal or down, in a cool dry place out of the reach of children. Never store it in a leather wool-lined gun case, or with the muzzle up. This promotes moisture build up and the collection of oil and debris in the breech area. Your muzzleloading firearm is now clean and ready for your next hunting or shooting adventure.

## LOADING YOUR NEW RIFLE

Easy loading is one outstanding feature of WHITE muzzleloading firearms. While the rest of the industry continues to foster the "pound the bullet down the barrel" technique, WHITE invented the White Muzzleloading System, which carefully matches barrel, bullet, and action to precisely deliver easy loading, consistent accuracy, and effective down range performance.

Your WHITE muzzleloading firearm will shoot any conical bullet, sabot/rife bullet, sabot/pistol bullet, or Patched round ball; but White's Power-



Punch™ conical bullets and patented PowerStar™ Saboted bullets deliver greater accuracy and greater energy at longer distances than any other bullet, sabot, or ball combo currently available.

We recommend Pyrodex P and 777 Powders, but for simplicity's sake, we will use "Pyrodex P" in our text for powder. You may additionally use Pyrodex RS or Select, Arco Black Mag, Cleanshot, Clearshot or Black Powder in your new WHITE muzzleloading firearm as well, however, you will achieve better performance by using Pyrodex P or 777. Any other black powder substitute will require WHITE's written approval before use. We do not advocate the use of Pyrodex Pellets. While we find the convenience, ignition, and velocity characteristics of Pyrodex Pellets favorable, our testing has proven Pyrodex Pellets to be somewhat inconsistent and inaccurate especially once they have aged. If you desire to try Pyrodex Pellets, you may do so, however if poor accuracy is experienced, switch back to loose Pyrodex P or 777 powders We recommend RWS #11 percussion caps; however, for simplicity's sake, we will use the term "#11 percussion cap" **WARNING!** Carefully read and follow these instructions when loading your WHITE firearm. Never carry a capped and loaded muzzleloader while in a vehicle, riding a motorcycle or horse (even if the rifle is in a scabbard), or while hiking through difficult terrain or undergrowth. Remember to play it safe: don't cap until you are in shooting position and ready to shoot. Six Simple Loading Steps:

1. Make sure your muzzleloading firearm is not loaded. (Use your ramrod to check).
2. Make sure nipple is clear.
3. Fire a squib load (when loading a clean barrel).
4. Firmly seat the bullet on the powder charge.
5. Cap the muzzleloader and engage safeties.

Before performing any of the steps above, read the detailed explanations and instructions listed below. **DO NOT** attempt to load your muzzleloading firearm without fully understanding these instructions. Failure to do so could result in injury or death to the shooter and/or bystanders! **CHECKING THE MUZZLELOADER**

1. Make sure the muzzleloading firearm is not loaded by sliding the ramrod down the barrel. It should be flush with the muzzle if unloaded.
2. Check the barrel for cleanliness and obstructions.

### **CLEARING THE NIPPLE**

1. Place a patch on the ramrod/cleaning jag and push it all the way to the breech of the barrel.
2. Leaving the ramrod down the barrel, pull the hammer cocking handle rearward until it catches in the cocked "FIRE" position.
3. Engage the primary safety lever to the "SAFE" position.
4. Place a percussion cap on the nipple.
5. Point the muzzleloader in a safe direction.
6. Disengage the primary trigger safety and fire the cap.
7. Remove the ramrod and patch. The patch should be blackened and burnt.
8. Repeat as necessary to clear the nipple.
9. **FIRING A SQUIB LOAD**

A squib load is a **PYRODEX ONLY** load that fouls the bore and breech. You must fire a squib load before loading a previously cleaned barrel! This

provides greater accuracy, shot-to-shot consistency, and ensures that the bore is dry and ready for a full power load. Never load a projectile while firing a squib load!

1. Pour 20 to 30 grains by volume of Pyrodex P powder down the muzzle.
2. Pull the hammer cocking knob or handle rearward until it catches in the cocked "FIRE" position.
3. Engage the primary safety.
4. Place a percussion cap on the nipple.
5. Point the muzzleloading in a safe direction.
6. Disengage the primary trigger safety and fire.
7. Your muzzleloading firearm will report weakly, fouling your bore. If not, repeat steps 1-7 above.

## **POURING THE PYRODEX CHARGE**

Measure your Pyrodex P powder by volume equivalent. The maximum loads for WHITE muzzleloading rifles are 150 grains volume equivalent (.50 caliber), 125 grains volume equivalent (.45 caliber) and 100 grains volume equivalent (.41 caliber). We recommend that you start with 80 grains by volume of Pyrodex P powder for .50 caliber, 70 grains by volume of Pyrodex P powder for .45 caliber, and 55 grains by volume of Pyrodex P powder for .41 caliber.

1. Pre-measure your powder charges using White's Volumetric Powder Management System.
2. DO NOT GUESS OR ESTIMATE.
3. Place the buttstock of the rifle on the ground or secure surface.
4. Pour your previously measured charge of powder into the muzzle.

**SEATING THE BULLET WARNING!** Failure to seat the bullet properly on the powder charge could result in injury or death to the shooter and/or bystanders.

Place a PowerPunch™ bullet or PowerStar™ sabot bullet base first into the muzzle and push it into the barrel with your thumb or ramrod. 2. Place the ramrod on the bullet and push the bullet down the barrel until it is seated FIRMLY on the powder charge. Do not tap or bounce the ramrod on the bullet. Doing so deforms the nose of the bullet and will affect accuracy.

## **ALWAYS PRESS THE RAMROD FIRMLY ON THE BULLET FOR SECURE BULLET SEATING. CAPPING THE RIFLE**

1. Point the muzzleloader in a safe direction.
2. Engage the primary trigger safety to the "SAFE" position.
3. Pull the hammer cocking handle or knob rearward until it catches in the cocked "FIRE" position.
4. Engage the secondary hammer block safety.
5. Using a White's Hunting Capper, place a percussion cap on the nipple.

## **YOUR MUZZLELOADER IS NOW LOADED AND READY TO FIRE!**

### **FIRING**

Remember, a loaded muzzleloading firearm can cause serious injury or death. Always keep your muzzleloading firearm pointed in a safe direction. Before you fire your WHITE muzzleloading rifle, remember that they are extremely

powerful. Carefully identify your target and know what you are shooting at and what lies beyond.

1. Select your target.
2. Disengage the secondary safety
3. Take careful aim.
4. Disengage the primary safety
5. Finish the aiming sequence
6. Squeeze the trigger and fire!

## **SIGHTING IN**

We suggest you sight in your WHITE muzzleloading firearm according to the following chart. Although WHITE muzzleloading rifles come equipped with fully adjustable hunting sights, you'll get better accuracy using sighting equipment such as White's receiver Sight (side-mounted) with our ClearView™ adjustable aperture or a rifle scope.

## **DISTANCE POINT OF AIM**

25 yards On Point

75 yards 3" Above Point

Adjust your sights to place a three shot group on point of aim at 25 yards. Then adjust the sights to put the group 3" high at 75 yards. This will put your WHITE muzzleloading rifle dead-on at about 125 yards and fifteen to twenty inches (10"-20") low at 200 yards, depending on the load you have chosen. These are approximate figure and could vary depending upon the load, bullet, and sight picture.

WHITE muzzleloading firearm rifles are capable of Minute-of Angle (MOA) groups from the bench with careful loading and practice. For optimum accuracy use a bench rest, telescopic sights, carefully measured charges and very careful shooting. These measures are rarely needed under hunting conditions and are not ordinarily recommended. However, in-the-field groups should average 2.0 to 3.0 MOA or less, depending on the shooters ability and choice of sights.

Practice shooting your new WHITE muzzleloading rifle extensively to learn how your particular gun shoots and which load you like best. Adjust your loads up or down in five-grain increments by volume until the most accurate load is found. The load and sight picture may be adjusted entirely to your liking and comfort level. You will be pleasantly surprised at the level of accuracy and performance that your WHITE™ rifle will deliver.

## **ADJUSTABLE HUNTING SIGHTS**

WHITE™ muzzleloading rifles are equipped with custom high visibility hunting sights that are fully adjustable for windage and elevation. **MARBLE FOLDING SIGHT:** The blade of our folding sight models can be folded down when not in use or when using a scope or peep sight. A strong spring in the base holds the sighting leaf firmly in the upright position or the folded position.

The sight insert has a reversible notch piece with an enamel diamond, giving the shooter the choice of a "U" or "V" shaped notch. The notch piece is adjustable for elevation and is held in place by a set screw. Windage

adjustment is located in the folding sight's hinge. Turn the windage screw clockwise to move bullet impact to the right, counterclockwise to move bullet impact to the left. MARBLE or Williams RAMP SIGHT: The rear sight blade assembly is adjustable for elevation and is held in place by a set screw on the top or the right side of the ramp base. Simply loosen the set screw and slide the sight blade assembly up or down the ramp, locking it in the desired position by tightening the set screw.

The windage adjustment set screw is located in front or rear of the sight blade on top of the sight blade assembly base. Loosen the set screw and move the sight blade left or right to the desired position and lock in place by tightening the set screw.

## **ADJUSTABLE RECEIVER SIGHTS**

WHITE muzzleloading rifles are drilled and tapped for our WHITE's Receiver Sight which is manufactured exclusively to our specifications. The WHITE's Receiver Sight features steel and aluminum construction and custom knurled target/hunting knobs for easy elevation and windage adjustment in the field. White's Receiver Sight mounts easily on the right rear of the receiver. Adjustment instructions are included with the sight. For increased performance, you can add our ClearView™ adjustable aperture to White's Receiver Sight. The ClearView™ is like a camera aperture. Dial the desired aperture peep opening from large (for low light conditions) to small (for bright conditions). Shooters with vision problems will find the ClearView™ a helpful accessory that brings game clearly into focus.

## **SCOPE MOUNTING**

WHITE muzzleloading rifles are also drilled and tapped for White's exclusive TrueLock™ detachable scope mounting system. TrueLock™ was tested by the NRA and returned to within one-half (½) minute of angle at 100 yards when detached and reattached. TrueLock™ makes cleaning a snap and provides your WHITE muzzleloading rifle with increased versatility to meet every hunting condition. The new TrueLock™ one piece base also deflects blowback, protecting the scope from Pyrodex residues. Other Weaver style bases can be used as well. The rear receiver base fits a Weaver style #35 and the front receiver base fits a Weaver style #11.

## **ADJUSTABLE TRIGGERS**

WHITE triggers are manufactured to exacting specifications and are extremely sensitive. Each state-of-the-art trigger is fully adjustable for poundage, creep and sear engagement.

**WARNING!** WHITE RECOMMENDS THAT TRIGGER ADJUSTMENTS BE MADE ONLY BY AN EXPERIENCED GUNSMITH. Factory Trigger Settings

Trained factory technicians have preset your trigger for a crisp and clean three and a half to four and a half pound (3 ½-4 ½ lb.) pull with standard hunting creep. Industry experts agree that WHITE's factory settings provide shot-to-shot reliability, consistency, safety, and accuracy for normal muzzleloading hunting conditions.

## **WARRANTY DISCLAIMER**

If you must adjust your trigger, find an experienced gunsmith to do it or

return it to our warranty repair shop for adjustment.

**WARNING! AN IMPROPERLY ADJUSTED TRIGGER CAN BE A SAFETY HAZARD!**

If you adjust your trigger improperly, you will void your Limited Lifetime Warranty.

## Bullets & Ballistics

This section has been included to help you understand the differences between common muzzleloading bullets and WHITE's uniquely designed bullets that are an important part of the WHITE Rifle.

### Muzzleloading Bullets in General

For many years muzzleloading enthusiasts have debated the bullet question: Which bullet and design is the best and which is the most faithful to the traditions of muzzleloading? We'll leave this acrimonious debate to the writers and shooting experimenters and give you some practical, down-to-earth advise and recommendations so that you can choose a truly effective bullet, for hunting.

### **ROUND BALL**

Without a doubt the oldest type of muzzleloading projectile is the round ball. It's easy to cast, but difficult to make shoot well. In general, in unskilled hands, the round ball is slow and loses energy very quickly. It can be accurate at close range. If you choose to use round balls in you WHITE muzzleloading firearm, carefully select a round ball that is four to five thousandths (.004 to .005) of an inch smaller in diameter than your bore rifle: .54 Cal.=.540" so use a .535" or smaller ball

.50 Cal.=.504" so use a .500" or smaller ball

.45 Cal.=.451" so use a .445" or smaller ball

.41 Cal.=.410" so use a .405" or smaller ball

Then select a cotton round ball patch of .015" to .020". PowerLube™ pre-lubricated patches will increase accuracy and will help ball and rifling engagement. Remember that with WHITE's fast twist shallow groove rifling system, you will need to shoot reduced powder charges for good accuracy. For most small game hunting, a patched round ball is adequate; however, experience dictates that conical bullets are more effective and more accurate at a greater distances with far better harvest ratios on big game.

### **CONICAL BULLETS**

While conical bullets have been around for a long, long time, many muzzleloading enthusiasts do not understand the reasons behind the advantages gained when using them. Conical bullets are ballistically superior to round balls, simply because they are heavier and longer. A conical bullet's higher ballistic coefficient provides greater efficiency and aerodynamic performance downrange than round balls can provide. Conicals, in general, are more accurate and carry more punch at greater distances.

WHITE insists that you use PowerPunch conical bullets or PowerStar sabot

bullets with your new WHITE rifle. Please read the following section devoted to the entire WHITE bullet lineup.

## **SABOTED BULLETS**

Sabots were developed so that smaller caliber lighter weight bullets could be used in a larger caliber muzzleloader. The sabot encloses the smaller caliber bullet in what looks like a plastic shotcup. The popularity of the of the modern sabot pistol is in the "Compromise Zone™". Conical bullet barrels have fast twist ratios ranging from 1 to 7 to 1 in 28. Barrels with moderate twist ratios between 1 in 28 and 1 in 48 are "Compromise Zone™" barrels. That is, the twist rate has been compromised to try and shoot both conicals and patched round balls. Unfortunately, as most compromises go, "compromise barrels" shoot neither projectile up to its true potential. Nevertheless, the vast majority of muzzleloading manufacturers produce this type of barrel today. The forgiving nature of plastic sabots seem to enhance the performance of a "Compromise Zone" barrels. Thus the popularity. Unfortunately, whatever is gained by higher muzzle velocity is lost quickly due to the poor ballistic coefficients of the short pistol bullet. Pistol bullets simply cannot maintain energy downrange even with the extra muzzle velocity. Pistol bullets in sabots turn your muzzleloading rifle into nothing more than a high velocity muzzleloading pistol and all you can expect from it is pistol performance. WHITE insists that if you want to use sabots, you use our PowerStar™ Saboted rifle bullet with you WHITE rifle. Please read the following section for more information.

WHITE's Muzzleloading Bullets The White's Muzzleloading System dictates a perfect match of barrel, bullet, and action. That is why WHITE's bullets are so important to your new rifle's performance. The principles of the White System demand that the barrel, action, and bullet work together to produce superior accuracy, ballistic performance downrange, ease of loading, and safety. WHITE bullets are true elongated rifle bullets designed to provide maximum rifle performance downrange. For easy loading, these PowerLead™ bullets ride on the lands of barrel until seated firmly on the powder charge. Upon firing, inertia causes the heavy bullet to shorten and expand into the rifling along the bullet's entire length. The result is a ballistically perfect rifle bullet traveling downrange with greater accuracy and energy. These heavy elongated bullets are not as fast initially as pistol bullets in sabots; however, they retain their velocity much better and outperform the lightweight pistol bullets downrange. For hunting, penetration and energy are more important than velocity.

POWERPUNCH™ BULLETS WHITE's PowerPunch™ Bullets are made with PowerLead™ and engineered to within .001 of an inch of the land-to-land diameter of the barrel. Each PowerPunch™ elongated bullet features a hard-hitting angled nose, straight sidewalls, and a solid boattailed base for precise rifling engagement and reduced drag. When loading, the bullet easily rides along the lands until seated on the powder charge. Upon firing, inertia of the heavy PowerLead™ bullet causes it to shorten and expand into the rifling along the bullets entire length, providing complete rifling engagement. The result is a ballistically perfect rifle bullet traveling downrange with greater accuracy and energy. PowerPunch™ bullets are lubricated with WHITE's PowerLube™ to reduce leading, fouling, and corrosion. PowerLube leaves the barrel with just the right amount of fouling to secure the next bullet and prepare the barrel for the next consistent shot. We highly recommend that you use PowerPunch™ bullets in you WHITE muzzleloading rifle. The White Muzzleloading System depends on your use of the entire barrel, action, and

bullet system to achieve consistent shot-to-shot accuracy.

## **POWERSTAR SABOTS**

WHITE's patented PowerStar Saboted bullets are Star hollow-pointed spitzer-boattailed rifle bullets in a long petaled, thick based, LubeGrooved sabot. This combination resembles the outside dimensions of the PowerPunch bullet. This is a true "rifle" bullet. The sabot can be lubricated with PowerLube to reduce leading, fouling, and corrosion. PowerLube leaves the barrel with just the right amount of fouling to secure the next bullet and prepare the barrel for the next consistent shot.

The PowerStar bullet operates on White Muzzleloading System principles as well. The sabot bullet rides on the lands until seated on the powder charge. Upon firing, the inertia is transmitted to the bullet through the patented sabot PowerBase. The PowerStar bullet shortens and expands the sabot into the rifling along its entire length. Upon exiting the muzzle, the sabots patented PowerChute ensures quick and clean bullet sabot separation. The result is a ballistically perfect "rifle" bullet traveling downrange with greater accuracy and energy.

## **WHITE Approved Powders**

WHITE recommends PyrodexP and 777 powders. Arco Black Mag powder and Black Powder may also be used in all WHITE muzzleloading firearms. WHITE recommends measuring all powder charges by volume, using WHITE's Volumetric Measuring System. **WARNING! USE ONLY PYRODEX , 777, ARCO or BLACK POWDER. ANY OTHER POWDER WILL VOID YOUR WARRANTY!**

## **Powder Types & Recommendations**

### **BLACK POWDER**

The oldest of the propellant powders, black powder, is made in four granulations for use in muzzleloading firearms. The granule size generally determines the application of the powder. Coarser granulations burn more slowly and work best in large caliber rifles and shotguns. Pistols or small caliber rifles require finer, faster burning granulations.

Black Powder granulations are labeled as Fg, Ffg, FFFg, and FFFFg, from coarse to fine, respectively. FFFg is recommended for use in your WHITE muzzleloading rifle when using black powder.

### **PROS AND CONS**

Black powder is generally available and is easy to ignite. It is also much dirtier than Pyrodex or other black powder substitutes, so fouling buildup can be a problem. With black powder, you will generally have to swab your barrel after every fifth shot or so. Let the ease of loading determine when to swab the barrel. Black powder is also more volatile than its substitutes and must be handled with great care. Black powder residues are extremely corrosive. Clean your firearm immediately after every shooting or hunting session.

### **PYRODEX**

Pyrodex ignites at a higher temperature than black powder and is somewhat safer to handle. It is lighter by weight but has similar ballistic attributes when measured by volume equivalent.

Pyrodex is black powder with additional oxidizers, scrubbers and other ingredients. As a result, it burns cleaner and produces less fouling than Black Powder. When using Pyrodex in your WHITE muzzleloading rifle, you will be able to shoot many more shots without having to swab the barrel to remove excess fouling. While Pyrodex does not ignite as easily, WHITE's FlashFire nipple/breechplug accelerates and maximizes cap flash from a standard #11 percussion cap so well that PyrodexP ignites instantaneously. WHITE recommends PyrodexP because of its predictable pressure curve and its consistent ignition and firing characteristics in WHITE rifles using WHITE bullets. Remember that Pyrodex Powder residues are still corrosive! Clean your firearm as soon as you get back from shooting or hunting.

## **777**

This is a relatively new Hodgden Black Powder replacement. Its ingredients are a closely held secret. Hodgden claims that it contains no corrosives and can be cleaned with water alone, which means that it is distinctly soluble in water. That may be good when you clean a fired rifle but not so good when you are hunting in the moist, humid air in the Missouri Whitetail woods. Nevertheless, it is quite good stuff, burning a little hotter than Pyrodex. You must reduce your loads by 10% to match a given load of Pyrodex or Black Powder. Measure it by volume equivalent just like Pyrodex, just 10% less. Residues are slightly less than Pyrodex, as is smoke. Ignition temperature is a little less too but still substantially higher than Black Powder. 777 works very well with the White Muzzleloading System. You still need to clean your rifle after shooting, especially in humid conditions, never leave it overnight with burned residues in the barrel, they will absorb moisture from the air and wet your next charge good if you do not clean it out first. A squib load always solves this problem.

## **CLEARSHOT & CLEANSHOT**

These powder are hard to find, thus have not been experimented with to any degree. They are less potent than Black Powder or Pyrodex, about 10%, so larger charges must be used for equivalent velocities. They are also measured by volume equivalent. Both are probably sugar based and are highly soluble in water.

**WARNING! USING NON-APPROVED POWDERS OR PROPELLANTS MAY BE UNSAFE AND MAY CAUSE BODILY INJURY OR DEATH!**

If you have any questions about powders not covered in this section, please call our Customer Service Department for the latest information on approved powders.

## **POWDER CHARGES**

Depending upon caliber, we recommend starting with 60-90 grains by volume of PyrodexP powder. **DO NOT EXCEED THE RECOMMENDED MAXIMUM** for your rifle! The maximum volume equivalent loads are as follows:

**MAXIMUM LOADS**



Caliber .54	.50	.45	.41
Load 180 gr.	150 gr.	120 gr.	100 gr.

## **LOADS AND ACCURACY**

Every muzzleloading rifle has a harmonic sweet spot. The secret of optimum muzzleloading accuracy is finding the powder charge and bullet that shoots best. Most muzzleloading rifles shoot their best groups at the lower end of the volumetric scale. More powder does not necessarily mean better performance. There is always a trade off between velocity, leading and fouling. Typically, large powder charges produce less accuracy and a greater chance of a miss, even though downrange energy levels are enhanced.

Answers to Common Questions

What do I need to get started?

## **RIFLE LIST**

- WHITE's Powder Management System or other powder-measure, one that will measure powder by volume up to about 150 grains.
- White's™ Hunting Capper or other straight-line capper to make capping your muzzleloader easier and faster.
- PowerLube™ or other bore and bullet lubricant. • EasyOut Grease or other lubricant with active polymers to lubricate the nipple/breech plug.
- White's™ Water Displacing Oil or other water displacing gun oil to protect your clean gun from the elements.
- WipeAway™ Kit or other small parts cleaning kit for muzzleloaders.
- WipeAway™ Patches or other pre-saturated patches for use in the field or on the range in cleaning the bore of your muzzleloader.
- Flush Valve™ for easy barrel and nipple/breech plug cleaning while in the field.
- EasyOut™ Nipple Wrench & Pick for easy removal of your side-look hexagonal nipple. • PowerGrip™ T Handle for easy cleaning, bench shooting, and bullet pulling.
- WHITE's™ Hunting Pouch or other muzzleloading bag made from tough and rugged double-stitch cotton - or other tough material - to carry your powder, bullets, and accessories afield.
- Powder - We recommend PyrodexP, Arco Black Mag, Black Powder FFG, CleanShot, 777 and Clearshot for your WHITE muzzleloading rifle.
- SuperChargers for easier and faster loading afield. We do not recommend any other quick loaders.
- PowerPunch or PowerStar Saboted Bullets - We recommend that you use only WHITE bullets. They have been especially engineered for your WHITE firearm.

What bullet & load should I use on my hunt?

The following recommendations are just that, recommendations! You should always consult local and state laws with regard to caliber, bullet weight, and any other restrictions for your particular hunt.

Remember that your new WHITE firearm may behave very differently with other manufacturer's recommended loads and bullets. Try WHITE's recommended loads at the range, adjusting powder charges in five grain increments until the most accurate and effective load for your firearm is found.

**SMALL GAME: JAVELINA, VARMINTS, ETC.**

Powder: 60 to 80 grains by volume.

- .41 caliber with 400 grain PowerPunch
- .45 caliber with 380 to 430 grain Power Punch
- .45 caliber with 350 grain PowerStar Sabots

**MID-SIZE GAME: WHITETAIL, MULE DEER, ETC.**

Powder: 80 to 100 grains by volume.

- .41 caliber with 400 grain PowerPunch
- .45 caliber with 380 to 460 grain PowerPunch
- .50 caliber with 400 to 480 grain PowerPunch
- .45 caliber with 350 grain PowerStar Sabots
- .50 caliber with 435 grain PowerStar

**LARGE GAME: ELK, BLACK BEAR, MOOSE, ETC.**

Powder: 100 to 120 grains by volume powder

- .45 caliber with 460 to 500 grain PowerPunch
- .50 caliber with 480 to 600 grain PowerPunch
- .54 caliber with 430 to 750 grain PowerPunch

**DANGEROUS GAME: BROWN BEAR, ETC.**

Powder: 110 to 120 grains by volume.

- .45 caliber with 500 grain PowerPunch, Powder: 110-140 grains by volume
- .50 caliber with 600 grain PowerPunch, Powder: 120-160 grains by volume
- .54 caliber with 430-750 grain PowerPunch, Powder

Troubleshooting

## **MISFIRE**

While uncommon in WHITE muzzleloaders, misfiring in muzzleloaders can happen. If your muzzleloader misfires, IMMEDIATELY point the muzzle in a safe direction.

## **CHECKING YOUR FIREARM**

1. Always point the muzzle toward a safe area to prevent injury should the firearm have a hangfire and suddenly discharge.
2. Examine the percussion cap. If it is split but unfired, try another cap. We recommend CCI #11 percussion caps.
3. Use a nipple pick or small wire to clear the nipple of any obstruction.
4. Clear the striker of any obstruction such as fired caps, fouling or other debris.
5. Make sure the action housing is secure. In the Model 98 style action, be sure the striker housing screw is screwed in completely. With the Model 97 style action make sure the end cap is screwed in completely. Make sure trigger is secure.
6. Try a new cap and re-fire your rifle. If one of these steps correct the problem, you may have wet powder.

## **WET POWDER BULLET REMOVAL**

1. If your powder is wet or contaminated and the firearm will not fire, you must remove the bullet and powder load with the bullet puller on the end of your ramrod.
2. Remove the percussion cap from the nipple.
3. Engage both safety systems.
4. Remove the cleaning jag from your ramrod, exposing the bullet-pulling screw.
5. Screw WHITE's Power-T-Grip into the opposite ramrod end.
6. Slide the ramrod (bullet screw first) down the barrel carefully, always pointing the gun in a safe direction.
7. Pressing the bullet puller screw into the bullet, twist the ramrod clockwise to embed the puller.
8. Pull the bullet or load out slowly. Dump out the wet powder, dry the barrel and start again with a squib load.

Note: You can always disassemble the rifle, cleaning out the wet powder charge from the breech, clearing the nipple/breechplug, and pushing the bullet out the muzzle for reuse. WHITE rifles are designed for quick and easy problem solving, as disassembly and re-assembly can be done within a few minutes at home or in the field.

## **BULLET SLIDES OFF THE POWDER CHARGE**

If your WHITE rifle has a clean barrel when you load it, the bullet will not seat snugly against the powder charge. Foul a clean barrel before loading.

## **FOUL THE BARREL**

You must fire a fouling or squib load to foul the barrel. Proper fouling will hold the bullet seated firmly on the powder charge. Occasionally you may have a squib load that does not properly foul the barrel. If this problem happens, try a squib load with 10 grains more powder by volume.

## BULLET SIZE

Make sure that you are using a properly sized bullet. Any bullet that is more than one-thousandth of an inch smaller in diameter than the bore will not work properly with a WHITE rifle. For this reason, we recommend that you use only PowerPunch or PowerStar Saboted bullets in your WHITE muzzleloading rifle.

## CORROSION

Stainless steel and blued steel are subject to the corrosive effects of Pyrodex, other substitutes and black powders, especially in humid conditions. At the end of a hunting or shooting day, you should always clean your gun thoroughly. Be sure to keep a light coat of water displacing oil on all metal parts of your firearm.

## LOSS IN ACCURACY

If you experience an accuracy loss with your WHITE muzzleloading firearm, it is probably due to one, or a combination, of the following:

1. Barrel Leading. Clean the barrel thoroughly with our EasyClean brush and lead and plastic removing EasyOut bore cleaner.
2. Bullet Loading Technique. Make sure you firmly seat the bullet on the powder charge. Do not bounce or bang your ramrod on the bullet.
3. Powder Contamination. Replace the powder you are using with fresh new powder. Store your powder in a sealed container in a cool dry place. Store powder away from children.
4. Bad Percussion Caps. Use only CCI or RWS #11 percussion caps. If cap contamination has occurred, discard and replace with new, fresh caps. Store your caps in a sealed container in a cool, dry place. Store caps away from children.
5. Muzzle Damage. Check the crown of the muzzle. Make sure that there are no dents or dings on the muzzle crown.

## Limited Lifetime Warranty

### From WHITE to You

The Limited Lifetime Warranty is extended by WHITE to the original registered purchaser of all new WHITE muzzleloading firearms purchased from any authorized WHITE firearms dealer.

## WHAT WE DO

If your WHITE muzzleloading firearm ever fails because of a manufacturing defect in material or workmanship, we will repair it without charge to you. Parts and labor are included. If we are unable to repair your firearm, we will replace it with another or we will refund the original purchase price to you, less depreciation, at our option.

## WHAT IS NOT COVERED

The warranty does not cover cost of repairs or replacement when damage is unrelated to defects in material or workmanship, nor does it cover wear and tear or unreasonable use or abuse by you including, but not limited to, failure to provide proper care or maintenance; alteration not authorized by WHITE,

damage through use of improper powders, exceeding maximum charges, improper or insufficient seating of bullet on powder, or barrels damaged by obstructions. WHITE reserves the right to inspect all products prior to making any adjustment covered by this warranty.

EXCEPT AS OTHERWISE EXPRESSLY CONTAINED HEREIN, WHITE DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED AND WHETHER WRITTEN OR ORAL RELATING TO THE FIREARMS WHICH ARE THE SUBJECT OF THIS WARRANTY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTIES IMPOSED BY STATE LAW, AND NOT EXCLUDED HEREUNDER, SHALL ONLY REMAIN EFFECTIVE FOR THE PERIOD PROVIDED UNDER LAW, OR FOR THE PERIOD OF THE EXPRESS WARRANTIES PROVIDED HEREIN, WHICHEVER IS SHORTER.

#### DISCLAIMER OF LIABILITY

The entire liability of WHITE for any claim of defect or breach of warranty, and the sole and exclusive remedy of a Customer shall be the repair or replacement of the firearm purchased. WHITE firearms are designed specifically for use with Pyrodex, Arco, ClearShot, 777, CleanShot or Black Powder ONLY.

NEVER USE SMOKELESS POWDER WITH A WHITE FIREARM. You should never exceed the maximum recommended load by volume for Pyrodex, Arco or other Black Powder substitutes. Failure to follow the instructions and warnings in the owner's manual will void this warranty.

EXCEPT AS OTHERWISE PROVIDED HEREIN, IN NO EVENT WILL WHITE OR ANY OF ITS STOCKHOLDERS, DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOST SAVINGS, OR OTHER DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF, INABILITY TO USE, THE RESULTS OF USING, OR MISUSE OF A WHITE FIREARM, EVEN IF WHITE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR ANY CLAIM BY ANY PARTY.

#### RETURNS FOR SERVICE & REPAIR

If for any reason you need to return your WHITE muzzleloading rifle, call WHITE's Customer Service Department at 801-785-6655. Should you need to return your gun for warranty repair or service, the customer service representative will issue a return authorization number and mail a return authorization.

#### RETURN AUTHORIZATION NUMBER

When returning a firearm to WHITE, send the convenient return authorization label mailed to you from the Customer Service Dept., or write the return authorization number clearly on the box near the shipping label. DO NOT SHIP YOUR FIREARM TO WHITE WITHOUT A RETURN AUTHORIZATION NUMBER. Any firearm package delivered without a return authorization number clearly written on or near the shipping label will be refused and returned at the customer's expense.

#### CLEANING & PREPARING FOR SHIPMENT

Clear your WHITE muzzleloading rifle according to the directions in this manual before whipping your firearm to WHITE. Remember to use plenty of White's Water Displacing Oil to prevent possible rust or corrosion from moisture encountered en route. If your firearm requires cleaning when it arrives, WHITE will charge you a \$25.00 cleaning fee.

#### CROSS SHIPMENT INVOICES

If, due to exceptional circumstances, the customer service representative authorizes an immediate replacement of your firearm, WHITE will ship you a replacement firearm as soon as the defective firearm is received by WHITE or with a credit card purchase invoice for the replacement firearm. Upon receiving the defective muzzleloading firearm, your credit card will be credited with the appropriate invoice charge amount. However, if the defective WHITE muzzleloading firearm is not received, your credit card purchase invoice for the replacement WHITE muzzleloading firearm will not be credit

#### Send Us Your Stories & Pictures

We want to hear from you. Send us your hunting stories and pictures. We always enjoy seeing our customers' success and hearing about their hunting adventures.

"Dedicated To The Hunters And Sportsmen Who Care About The Wildlife They Pursue."



**The ABC's of Muzzleloading Hunting**

**Accuracy** - You can hunt confidently knowing your White rifle was designed for accuracy and built for the "Perfect Shot"

**Ballistics** - White's SUPERSLUG and BUCKBUSTER Bullets will put superior ballistic principles to work for you afield for cleaner kills.

**Conservation** - White Rifles, Bullets and Accessories are designed to reduce wounding loss, thereby preserving the future of our precious wildlife resource.

**WHITE SHOOTING SYSTEMS, INC.**

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