Have any questions?

For more information, contact our Customer Service at (770) 449-4627. If you

nut free. The book must accompany the firearm. Replacement books are available

USE YOUR Muzzletapader. If the firearm is loaded or sold by a dealer or lend-

AND FULLY UNDERSTAND THIS INFORMATION BEFORE YOU CAN SAFELY

From your muzzletapading firearm, you must read this material entirely

This book contains information critical to the safe use and maintenance of New

Muzzletapading

NEW FRONTIER

In-Line Rite

Information

Warranty
ANTY CARD (Please complete all sections)

_________________________________________ Phone (_______) ____________________

_________________________________________ State _____ Zip _________________________

_____________________________ Name ____________________________ Date Purchased __________

___________________________ City ___________ State _____ Zip _________________________

: __________________________ Model # ___________________________ Serial No. __________________

What type of store was product purchased?

_______ Chain/Discount
_______ Hardware

_______ Hobby
_______ Mail Order

Did you select a New Frontier Muzzleloading product?

_______ Special Feature
_______ Impulse Purchase

_______ Price
_______ New Frontier Advertisement

Intended Use:  ____ Hunting  ____ Target Shooting

_______ Hunting
_______ Decoration

Features do you like? ________________________________________________________________

Features you dislike? ______________________________________________________________

Improvements would you recommend? ________________________________________________
WARNING

Information

Warranty

__________________________________________
Type of Gun

__________________________
Date Purchased

__________________________
 Caller

_____________________________________
Serial No.

__________________________
Model No.

Muzzle Loading

NEW FRONTIER
Muzzleloading Rifle

Wind River Magnum

of the

Main Components
Main Components

Muzzleloading Rifle
Bear Tooth Magnum
of the
mechanism allowing the rifle to pivot open at the breech.

2. The breech lock mechanism is a break-open design, which relies on the action plate to open and close the breech.

3. The breech mechanism is a toggle action, in which the hammer is used to release the toggle, allowing the breech to swing open.

4. The bolt is a straight-pull design, which is a bit more conventional than the side-by-side design.

A. Introduction to in-line muzzleloaders

In this manual, we hope to provide you with the knowledge necessary to understand and operate an in-line muzzleloading firearm. This type of firearm is simple and effective, and is a popular choice for those who enjoy the traditional aspects of muzzleloading.

However, there are some important safety considerations to keep in mind. Always consult your firearm manual and ensure that you are familiar with the proper procedures for loading, firing, and cleaning.

When handling a firearm, always keep the firearm's safety feature enabled and the muzzle pointed in a safe direction. This can help prevent accidental discharges and ensure that the firearm is safe to use.

NOTE: While reading the instructions, make sure to familiarize yourself with the firearm's parts and assembly. This will help ensure that you can safely and effectively use the firearm for hunting or other activities.
WARNING:

They are a component gunsmith, make sure all parts work properly.

1. Do not alter or modify your firearm. Have your firearm checked regularly.

2. Always keep the gun muzzle pointed in a safe direction and never pull the trigger on the course.

3. Never rely on a gun's mechanical safety.

4. Be sure of your target and beyond.

5. Always wear eye and ear protection.

6. The barrel should be clear of obstruction before shooting.

7. Handle every gun as if it is loaded.

8. Keep guns and ammo separate and in locked storage.

9. Avoid alcoholic beverages and drugs before and during use of a firearm.

10. Get all questions answered.

C E N T E R C O M M A N D E N T S O F F I R E A R M S A S F E T Y

A. Getting Started

1. Safety First - Very gun is unloaded.

2. Assemble gun.

3. Check all functions.

4. Remove breech plug (and nipple, if applicable).

5. Clean and check entire gun.

6. Clean barrel.

7. Apply breech plug/nipple grease or equivalent lubricant to meet manufacturer's recommendations.

8. Read and study information booklet.


10. Get all questions answered (not overthetop).

B. Descriptive Warning:

According to the state of California, exposure may cause cancer, birth defects or other reproductive harm. Make sure you have proper ventilation when handling ammunition. Exposure to lead or lead compounds may cause irreversible injury to the brain and nervous system.

1. Do not alter or modify your firearm. Have your firearm checked regularly.

2. Be sure of your target and beyond.

3. Never rely on a gun's mechanical safety.

4. Always wear eye and ear protection.

5. Always keep the gun muzzle pointed in a safe direction and never pull the trigger on the course.

6. The barrel should be clear of obstruction before shooting.

7. Handle every gun as if it is loaded.

8. Keep guns and ammo separate and in locked storage.

9. Avoid alcoholic beverages and drugs before and during use of a firearm.

10. Get all questions answered.
D. SAFETY CONSIDERATIONS UNIQUE TO MUZZLELOADERS

1. Never smoke when handling a muzzleloader or muzzleloaders.

2. Always wear eye protection. Flying debris from the breach area and muzzle may cause injury or death.

3. Never wear a muzzleloader inside a muzzleloader, as this may cause injury or death.

4. Always store your muzzleloader in a secure location, away from reach of children.

5. Use only blackpowder or an approved blackpowder substitute in your muzzleloader.

6. Always check to ensure that your muzzleloader is in good working condition before use. Test the bolt and safety mechanisms carefully prior to loading.

7. Use only recommended loading data for the particular model of muzzleloader you own. Check the barrel for any obstructions or dents before loading.

8. When loading, check the breach for any obstructions or dents before firing.

9. Never load or fire a muzzleloader that has been damaged or mishandled.

10. Never transport a loaded muzzleloader in any type of vehicle. A change in elevation or severe injury or death may occur.

11. Never lean on a loaded muzzleloader, as it may shift in service.

12. Never purchase or carry a firearm unless you are ready to use it responsibly.
POWERFUL

5. When the entire powder charge is

6. When selecting powder loads be sure to refer to the correct loading
data in Section 9.

7. Always keep the muzzle of the gun pointed in a safe direction while

8. Short standing of the powder may cause the gun to explode.

9. Make sure that the projectile is firmly seated against the powder charge.

10. Never load a projectile with a malfunctioning firing pin.

11. Never load a projectile with a malfunctioning firing pin.

12. Never load a projectile with a malfunctioning firing pin.

13. Never load a projectile with a malfunctioning firing pin.

14. Exercise extreme caution when handling live rounds with

15. Never load a projectile with a malfunctioning firing pin.

16. Never load a projectile with a malfunctioning firing pin.

17. Always use proper cleaning procedure. Failure to use proper cleaning procedure may lead to unsafe pressure conditions.

18. Never fire upon a personal or public crowd causing damage or injury.

19. Never fire upon a personal or public crowd causing damage or injury.

20. Never fire upon a personal or public crowd causing damage or injury.

21. Never fire upon a personal or public crowd causing damage or injury.

22. Never fire upon a personal or public crowd causing damage or injury.

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49. Never fire upon a personal or public crowd causing damage or injury.

50. Never fire upon a personal or public crowd causing damage or injury.
CLEANING ACCESSORIES

1. Loading Accessories for a Muzzleloader

   Flock Brush - Scour the bore and removes heavy fouling
   Forceps - Cleaning patch on end of ferrule
   Cleaning Plug - Removing brass of all new Frontier-in-line muzzleloaders
   Cleaning Plug Wrench - For removing brass plug and/or nipple (if applicable)
   Nipple Wrench - For installing and removing nipples (if applicable)
   Patches - For cleaning inside of barrel
   Solution - Cleaning solution

   2. Reconditioning Accessories

   Powder Swab - To hold pre-measured powder charge and bullet for quick
   Powdered Brush - To carry and dispense pre-measured charges of 20 grain primers.
   Brush Stick - To start bullet down the barrel
   Bottle Brush - To clean the bore with the use of pelletized powder.

   Powder Measure - To measure correct powder charge (not required
   the use of pelletized powder)

   Powder Flask - To transport and dispense powder (not required with
   Frontier-in-line Frontier-In-Line percussion Cap, Husk Cap or Modern 209 Primer

   Ignition Source - Frontline percussion cap, Husk Cap or Modern 209 Primer
   Primer - One bullet or selected bullet or belted bullet

   From Smokless Powder.

   Powder, Prime, Clean Shot and Clean Shot Never Use ACD

   Pyropears - Blackpowder or Approved Substitute Substitutes such as

   3. Basic Accessories for a Muzzleloader

   - Blackpowder
   - Pellets
   - Round Ball

   Flock Brush - Scour the bore and removes heavy fouling
   Forceps - Cleaning patch on end of ferrule
   Cleaning Plug - Removing brass of all new Frontier-in-line muzzleloaders
   Cleaning Plug Wrench - For removing brass plug and/or nipple (if applicable)
   Nipple Wrench - For installing and removing nipples (if applicable)
   Patches - For cleaning inside of barrel
   Solution - Cleaning solution
different grain-equivalent loads. The other 3 powders are the pyrographene-based black powder that is 95% black powder.

** pyrographene-based black powder**

The powders are used in the following applications:

1. **Propelling**
   - PyroGRAPHERS
   - PyroGRAPHER SELECT
   - pyroGRAPHER AS

These powders are designed for use in all calibers. Provided guides are the lead behaviors currently offered for grain-equivalent propellants. The ap-proximate equivalence of these propellants to propellants is achieved by selecting the same grain size and degree of propellant and applying the appropriate grinding. Use in this manner, PyroGRAPHER will yield a propellant charge which is essentially similar to 100 grains of propellant. The lighter charge weight of PyroGRAPHER will fill the measure and provide a lighter weight of propellant. PyroGRAPHER will dispense roughly 12 grains of propellant (PyroGRAPHER is blank).

The second type of propellant is a propellant accented with a volumetric type measure. This type of propellant was primarily designed for use in percussion rifles and shotguns. These propellants are the propellant used in New Frontier percussion primers. Use of the propellant in New Frontier percussion primers is identical to the propellant used in the percussion rifle. The propellant is the grain-equivalent propellant designed for use in percussion rifles and shotguns. The propellant is 95% black powder. The grain-equivalent propellant is designed for use in percussion rifles and shotguns. The propellant is 95% black powder. The grain-equivalent propellant is designed for use in percussion rifles and shotguns.

**Propellant: PyroGRAPHER**

The propellant is PyroGRAPHER. PyroGRAPHER is a propellant accented with a volumetric type measure. This type of propellant was primarily designed for use in percussion rifles and shotguns. These propellants are the propellant used in New Frontier percussion primers. Use of the propellant in New Frontier percussion primers is identical to the propellant used in the percussion rifle. The propellant is the grain-equivalent propellant designed for use in percussion rifles and shotguns. The propellant is 95% black powder. The grain-equivalent propellant is designed for use in percussion rifles and shotguns.

**Propellant: Black Powder**

The propellant is Black Powder. Black Powder is a propellant accented with a volumetric type measure. This type of propellant was primarily designed for use in percussion rifles and shotguns. These propellants are the propellant used in New Frontier percussion primers. Use of the propellant in New Frontier percussion primers is identical to the propellant used in the percussion rifle. The propellant is the grain-equivalent propellant designed for use in percussion rifles and shotguns. The propellant is 95% black powder. The grain-equivalent propellant is designed for use in percussion rifles and shotguns.

**Propellant: New Frontier**

The propellant is New Frontier. New Frontier is a propellant accented with a volumetric type measure. This type of propellant was primarily designed for use in percussion rifles and shotguns. These propellants are the propellant used in New Frontier percussion primers. Use of the propellant in New Frontier percussion primers is identical to the propellant used in the percussion rifle. The propellant is the grain-equivalent propellant designed for use in percussion rifles and shotguns. The propellant is 95% black powder. The grain-equivalent propellant is designed for use in percussion rifles and shotguns.
Power-Bullet® bullets are designed to deliver consistent pressures and ensure accurate expansion. They are effective against single and multiple threats. By selecting the appropriate power level, you can maintain accurate striking power, even against heavy armor. Each bullet type is engineered to meet specific needs, making them versatile for various applications.

Some projectiles produced by other manufacturers, especially some flak jackets, are not recommended for use with Power-Bullet® bullets. It is important to check the manufacturer's instructions before use.

H. PROJECTILES

Please refer to Power-Bullet® bullet manufacturers' literature for detailed instructions on the use of these bullets. The bullet types listed on the product label are the recommended projectiles for use in all New Frontier firearm models.
TABLE 1

<table>
<thead>
<tr>
<th>TYPE</th>
<th>MINIMUM CHARGE</th>
<th>MAXIMUM CHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 ft Powdered Shell</td>
<td>0.50</td>
<td>0.50</td>
</tr>
<tr>
<td>45 ft Powdered Shell</td>
<td>0.45</td>
<td>0.45</td>
</tr>
<tr>
<td>Power PGP</td>
<td>0.10</td>
<td>0.10</td>
</tr>
</tbody>
</table>

TABLE 1

I. RECOMMENDED LOADING DATA

- Recommended in Table 1:
  loads for conical bullets and sabots should not exceed the maximum load
  and will result in very poor accuracy.
  - In general, this is because the fail rate is too low to be a test of the round being loaded.
  - Modern rounds for use in conical bullets.

II. SABOTED BULLETS—Modern sabot from various manufacturers.

III. CONICAL BULLETS—Conical bullets provide acceptable accuracy.

45 ft Powdered Shell

NOTE: Double loads below the maximum safe levels. Half to two miles set level
in the middle of the recommended range. Gradually increase the charge of decreasing the load to obtain the desired results. Finally, using a charge in the middle of the recommended range, gradually increase until the minimum and maximum charge shown in the table below is recommended to begin shooting.

The proper charge for any muzzleloading firearm is an efficient load.

*Figure 1-B*
NOTE: The breech is not loaded.

1. Wear shortproof shooting glasses and ear plugs or molding to protect yourself from spurs, bits of range metal, caps, and debris.

2. Open the breech. NOTE: The breech is not loaded.

3. Check to make sure the breech plug and muzzle (if applicable) are clear. Proceeding.

4. On Crescent and Wind River rifles, confirm that the safety is in the ON/OFF position and breech plug is removed (if applicable).

5. Clean all oil and grease from barrel interfer.

6. With the rifle pointed in a safe direction, place a 2oz primer into the breech plug and muzzle (if applicable).

7. Screw the primer tight. Use a wrench when a wrench is available.

8. Without pointed charge, charge or drop the correct number of pellets into the gun. Point a measured charge or drop the correct number of pellets into the gun. Point a measured charge or drop the correct number of pellets into the gun. Point a measured charge or drop the correct number of pellets into the gun. Point a measured charge or drop the correct number of pellets into the gun. Point a measured charge or drop the correct number of pellets into the gun.

9. If using pebbled powder, make sure that the escape powder powder being used is as fine as that being used. If using pebbled powder, make sure that the escape powder powder being used is as fine as that being used.

10. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

11. If using pebbled powder, powder from inside of a volumetric powder measure.

12. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

13. Take the percussion caps.

14. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

15. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

16. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

17. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

18. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

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60. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

61. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.

62. Release the safety and fire a minimum of 2 caps or shotgun primers to make sure the breech is clear. Proceeding.
10

1. Use the correct end of the bullet to move the projectile about six inches down the bore. (See Figure 5.)
2. Use the portion of the bullet shank to press the bullet just into the muzzle. (See Figure 4.)
3. With the barrel in a vertical position, push the projectile down on top of the powder firmly, but without crushing the powder or pellets.

IMPORTANT: Be sure the projectile is seated firmly against the powder. No air space should exist between projectile and powder.

11. For lubricated bullets, power澎湃 Bullets and saboted bullets help insulate the primer and power. If using the primer and power, the primer and power will help insulate the primer and power. This will assist in maintaining the accuracy of the firearm.

CAUTION: Do not attempt to remove the primer or power from the firearm. If the primer or power is removed, the firearm will be rendered useless.

b. Stir the projectile into the bore with your fingers, making sure it is centered.

l. Do not require additional lubrication.

a. Make sure bullet is lubricated. Power澎湃 Bullets and saboted bullets help insulate the primer and power. If using the primer and power, the primer and power will help insulate the primer and power. This will assist in maintaining the accuracy of the firearm.

11. For lubricated bullets, power澎湃 Bullets and saboted bullets help insulate the primer and power. If using the primer and power, the primer and power will help insulate the primer and power. This will assist in maintaining the accuracy of the firearm.
loose powder or Pelletized Powder
most reliable ignition source in foul weather and is suitable for use with
most Pelletized Ignition Sources. The shock primer is the
be used in all New Frontiers (Nutz) Torches. The primary ignition source is
shown primer. The ignition source is the primary ignition source to
Figure 2: FRONTIERS IGNITION SYSTEM Accepts Powder #205

and free of obstructions and moisture.
2. Go back to Step 1 and repeat: bring sure bore and nipple to clean
Removing a Charge, for detailed procedure.
2. Removing powder charge, push the propellent out of the barrel. See Section R.
2. Against powder charge, remove the breech plug. Remove the pow-
2. Never attempt to shoot out a projectile which is not firmly seated.

![Figure 1](image1.png)

![Figure 2](image2.png)
1. All Wind River Magnum and Cascade Magnum rifles are equipped with a thumb safety and magazine block. The thumb safety should be manually engaged to the rearward (green) position before loading the magazine (Fig. 1). Move the thumb safety to its forward (red) position to release the magazine block. The magazine block and thumb safety function is illustrated for the standard 20-state configuration (Fig. 2). Moving the thumb safety to its forward (red) position is prohibited by law. A new magazine and magazine block is available for Wind River and Cascade Rifles. Refer to the instructions accompanying the magazine block.

2. Percussion Cap Ignition System: An optional ignition system is available for these rifles. Contact New England Custom Service for 770-494-4677 to order.

3. Reminder: A manual safety is no substitute for safe gun handling!

The rear of the receiver is designed to accept a single-shot, .22-caliber interchangeable barrel. The barrels are available for both standard and custom configurations. The barrels are specifically designed for use with a range of .22-caliber ammunition.

4. Instruction to section P: Before beginning this procedure, make sure the gun is unloaded. See steps 2 to 4 in section P, for bearing through to section N. For bearing through to section P, proceed directly to section N. For Cascade Magnum, proceed directly to section H. A thorough cleaning is recommended for proper and continued operation.

NOTE: For Wind River Magnum, muzzle flashers are included. For Cascade Magnum, muzzle flashers are not included. A muzzle brake is recommended for proper and continued operation.

M. CONVENTIONAL IN-LINE DISASSEMBLY/ASSEMBLY

1. Remove the stock from the gun. Cover the trigger guard with a cushion to prevent damage.

2. Loosen and remove the hex screw from the underside of the stock. Remove the barrel assembly from the stock. Ensure the barrel assembly is removed completely from the stock.

3. Remove the fore-end from the gun. No fore-end assembly is used on the 20-state configuration.

4. Remove the magazine from the gun. No magazine is used on the 20-state configuration.

5. Remove the bolt stop. The bolt stop is located on the rear of the bolt.

6. Remove the bolt spring. The bolt spring is located on the rear of the bolt.

7. Insert the thumb safety block (Fig. 5) into the rear of the bolt.

8. Insert the thumb safety block into the rear of the bolt. Ensure the thumb safety block is fully seated.

9. Insert the thumb safety block into the rear of the bolt. Ensure the thumb safety block is seated properly.

10. Insert the thumb safety block into the rear of the bolt. Ensure the thumb safety block is fully seated.
NOTE: For Cascade Magnum Bolt Action Muzzleloaders Only.

N. REMOVAL AND INSTALLATION OF BOLT ASSEMBLY

Correct the problem as accidental firing may result. Per U.S. law, it is illegal to sell or transfer a firearm to a person who is prohibited to possess a firearm.

1. Pull the bolt handle (See Figure 2).

2. Release (Figure 3) and push down on the bolt and back position. Turn the screw off and slide out the barrel. Before the barrel is removed, make sure gun is unloaded (See Section 4).

3. Remove the bolt handle assembly from the receiver.

4. Identification of the parts is included in the parts list (See Section 5.)

Prepare the breech plug.

5. Clean the breech plug thoroughly and remove the breech plug from the receiver.

6. Install the breech plug and nipple (if applicable) with the breech plug wrench tool supplied. The socket and remover tools are supplied. Remove the breech plug assembly from the breech by sliding out through the breech plug and nipple.

7. While depressing the trigger, remove the bolt by sliding out through the breech plug and nipple.

8. Remove the breech plug and nipple (if applicable) with the breech plug wrench tool supplied. The socket and remover tools are supplied. Remove the breech plug assembly from the breech by sliding out through the breech plug and nipple.

9. Handle

10. Do not attempt to disassemble the breech plug and nipple. Clean as one.

11. Avoid prolonged contact of cleaning solvents on synthetic stocks.

12. Assemble the rifle by reversing the order of disassembly.

13. Prepare the breech plug for loading.

14. Clean the breech plug thoroughly and remove the breech plug from the receiver.

15. Install the breech plug and nipple (if applicable) with the breech plug wrench tool supplied. The socket and remover tools are supplied. Remove the breech plug assembly from the breech by sliding out through the breech plug and nipple.

16. While depressing the trigger, remove the bolt by sliding out through the breech plug and nipple.

17. Remove the breech plug and nipple (if applicable) with the breech plug wrench tool supplied. The socket and remover tools are supplied. Remove the breech plug assembly from the breech by sliding out through the breech plug and nipple.

18. Handle

19. Do not attempt to disassemble the breech plug and nipple. Clean as one.

20. Avoid prolonged contact of cleaning solvents on synthetic stocks.

21. Assemble the rifle by reversing the order of disassembly.

22. Prepare the breech plug for loading.

23. Clean the breech plug thoroughly and remove the breech plug from the receiver.

24. Install the breech plug and nipple (if applicable) with the breech plug wrench tool supplied. The socket and remover tools are supplied. Remove the breech plug assembly from the breech by sliding out through the breech plug and nipple.

25. While depressing the trigger, remove the bolt by sliding out through the breech plug and nipple.

26. Remove the breech plug and nipple (if applicable) with the breech plug wrench tool supplied. The socket and remover tools are supplied. Remove the breech plug assembly from the breech by sliding out through the breech plug and nipple.

27. Handle
1. Check to ensure gun is unloaded.

2. Remove bolt from receiver.

3. (Figure 12)

NOTE: For Cascade Magnum Bolt Action Nutshooters only. Before beginning this procedure make sure gun is unloaded (see Step 2 of Sec.

O BOLT ACTION DISASSEMBLY/ASSEMBLY AND CLEANING

1. With the bolt assembly in the cocked position, align the bolt assembly

2. Cycle the bolt handle up, as per arrow "C", then forward, as per arrow "F". Assembly stops (Figure 11).

3. Push forward on the bolt cap, past the initial resistance, until the bolt

4. (Figure 11) Using the thumb, in the same position as when removed in Figure 14, slide the thumb.

INSTALLATION OF BOLT

1. (Figure 10) Receiver (Figure 10). Be sure the bolt assembly is fully inserted into the receiver.

2. (Figure 11) Pull the bolt assembly rearward.

3. (Figure 12) As per arrow "B", the entire bolt assembly.
GENERAL CLEANING AND MAINTENANCE

1. Remove filler plug. Turn counter-clockwise to remove.
2. Insert breech plug (provided) into the receiver to engage the breech. 
3. If necessary, plug the gun (provided) into the breech plug.
4. Remove cocking mechanism from gun as described in Section I. 
5. Vent the barrel if gun is unicedded: (Section 4, Step 2) 
6. Clean breech plug using the supplied breech plug wrench. 
7. Reassemble in reverse order. Important: Lubricate breech plug threads and breech face in the receiver with solvent.
8. Do not attempt to disassemble receiver. Clean as a unit. 
9. Reassemble in reverse order.

NOTE: Due to differences in breech design, breech plugs are not interchangeable.

P. BREAK ACTION DISASSEMBLY / ASSEMBLY AND CLEANING

1. Remove rear sight from the gun (provided). (See Step 2 of Section II)
2. Open the bolt by pulling rearward on the locking lever. 
3. You can now remove the bolt and from the barrel. 
4. Loosen and remove the screw from the bottom of the bore end. 
5. Remove barrel from gun. 
6. Roll the bolt to the uncocked position. 
7. Place the bolt cap back over the spring. While pressing the spring 
8. Downward, screw the bolt cap on to the bolt body. (See Figure 15) 
9. Counter-clockwise to the cocked position. 
10. Holding the bolt cap securely with the Allen wrench, twist the bolt handle 
11. Remove the bolt cap by lifting the Allen wrench and slipping the bolt handle from the bolt. 
12. Clean all parts thoroughly, dry. 
13. Use the Allen wrench to adjust the rear sight. 

NOTE: For best results, magazine lubrication is necessary before beginning.
the barrel. To do (1) lose 2 oz. discharge to blow the projectile from the barrel. There are two approved methods to remove a projectile from a barrel. One method is to pull out the projectile and the barrel. The other method is to use a power charge to blow the projectile out.

Removing a projectile is dangerous. When there is a power charge in the barrel, the projectile will be blown out. If the barrel is loaded in a proper manner, you can use the proper charge.

2. If the rifle is loaded in a proper manner, you can use the proper charge. Charge and clean the barrel.

3. If the projectile cannot be removed, fire an arm. Fire an arm against the powder charge. The two most common conditions are as follows:

A. REMOVING A CHARGE

Note: Always store your muzzleloader unloaded and in a cool dry place.

1. Disassemble the gun components in reverse order.

2. Spray with a light coating of non-porous sealant or gun oil.

3. Dry all parts thoroughly, including the inside and outside of the barrel and barrel cleaning solvent.

4. Clean the breech area, including receiver threads with a sheep's wool.

5. Continue counter-clockwise until the extractor 90° lock is in place.

6. Tighten until a second set of threads engage the rod and continue tightening counter-clockwise until the extractor 90° lock is in place.

7. Do not use a needle tool or plunger as this can damage the barrel.

8. You will now be able to separate the stock from the barrel.

9. Using a cleaning brush and solvent, thoroughly clean the breech plug and check for obstructions.

10. Loosen and remove the extraction screw from the underside of the stock. The breech plug and breech plug cleaning tool are then removed. Before removing the breech plug, be sure to reassemble the breech plug and breech plug cleaning tool.

11. Fire the breech plug cleaning tool as necessary.

12. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

13. Fire the breech plug cleaning tool as necessary.

14. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

15. Fire the breech plug cleaning tool as necessary.

16. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

17. Fire the breech plug cleaning tool as necessary.

18. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

19. Fire the breech plug cleaning tool as necessary.

20. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

21. Fire the breech plug cleaning tool as necessary.

22. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

23. Fire the breech plug cleaning tool as necessary.

24. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

25. Fire the breech plug cleaning tool as necessary.

26. Fire a second set of threads engaging the rod and continue until the extractor 90° lock is in place.

27. Fire the breech plug cleaning tool as necessary.
U. STATEMENT OF LIABILITY

You may also use the Weaver #18 Lever Base (2 required) along with Weaver

AC-1667 See-Thru Black AC-1667 See-Thru Silver
AC-1668 Low Mount Black AC-1668 Low Mount Silver

The recommended scope mounting system for the New Frontier MuZZleloading.

In conclusion, scopes should be mounted according to manufacturer’s instructions.

The Weaver #18 Lever Base is required for short guns and can be ordered through your local dealer or from

New Frontier MuZZleloaders are drilled and tapped for easy scope mounting.

1. SCOPE MOUNTING

To install the lever, move rear sight to the left.

To move the point of impact to the right, move rear sight to the right. To move the point of impact on the top of the rear sight, REMEMBER to move the point of a scope located on the side of the rear sight, REMEMBER.

To adjust the rear sight for elevation, adjust the zeroing screw located on the rear sight. Adjust the rear sight for elevation by loosening the zeroing screw and adjusting the rear sight. Adjust the rear sight for elevation by loosening the zeroing screw and adjusting the rear sight. Adjust the rear sight for elevation by loosening the zeroing screw and adjusting the rear sight.

2. SIGNS MOUNTINGS

Most New Frontier rifles are equipped with adjustable style rear sights.

The power has been removed from the barrel to a qualified gunsmith. The barrel has been removed from the rear of the rifle. Once reassembled, sight the barrel in any hot water for one-half hour. Once reassembled, try to remove the charge from the barrel. After the procedure has been removed from the bore, clean the bore.

Always remove the breach plug from the breech plug using the breech plug wrench. Open the breech plug and rotate the breech plug using the breech plug wrench.

When the breech is in a safe direction, and the primers removed
SERVICING INSTRUCTIONS FOR REPLACEMENT PARTS

1. All correspondence and orders must be addressed to:

2. Inclucde the order number:

3. Payment: Customer Service

4. Discontinued items are subject to evaluation by New Frontier Microwave, Inc.

5. The specific part in question to be identified.

6. If the proper part identification is not possible from the part list send:

   a) Model of Gun

   b) Pen Description

   c) Pen Number

   d) Attention: Customer Service

   e) New Frontier Microwave

   f) 5988 Pershing Courts East

   g) Coral Gables, FL 33146

   h) Phone: 305-449-6677 MON-FRI 8:30-4:00 PM EST

   i) Fax: 305-449-6677

   j) Service & Repair (732) 449-6677 MON-FRI 8:30-4:00 PM EST

   k) United Parcel Service (UPS)

   l) Overnight service (UPS).

   m) All items must be packaged and shipped to:

   n) New Frontier Microwave

   o) 5988 Pershing Courts East

   p) Coral Gables, FL 33146

   q) Phone: 305-449-6677 MON-FRI 8:30-4:00 PM EST

   r) Fax: 305-449-6677

   s) ALL WORK MUST BE DONE WITHIN YOUR APPLIANCE.

   t) Work will be done within your appliance.

   u) Any work required not be covered by warranty. You will be advised of the

   v) cost. No work will be done without your approval.

   w) Your Department will inspect and evaluate the problem. Should

   x) your Department not be satisfied with the repair, you will be

   y) advised of the neces...

   z) Physical injury or property damage resulting from intentional or accidental
X. LIMITED LIFETIME WARRANTY

Georgia residents must add 6% sales tax.

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ORDER TOgraphics

6. Please allow four to six weeks from receipt of order for delivery.

5. Enclose the item's retail price of the item plus postage and handling.

6. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.