



VR1 Owner's Manual

Vigilance Rifles, Inc.

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INTRODUCTION:

Vigilance Rifles offers a new line of Semi-Automatic Rifles resulting from years of skilled engineering, testing, and refinement. Chambering some of the largest calibers in the World. The simplified design and restricted number of components provide a highly reliable platform. The new rifles are easy to strip and service, they are very innovative, accurate and safe.

Thank you for your purchase. Your patronage is appreciated.

WARNING:

1. Never insert a Cartridge into the Chamber to achieve more capacity.

Heavy Magazine spring pressure allows the Magazines to only be installed with the rifle unloaded and the bolt drawn back into the locked position.

2. Never insert a Cartridge into the Chamber to achieve more capacity.
“Dropping the Rifle or hitting the detachable Magazine into load position could release the Bolt, instantly stripping a Cartridge from the Magazine and forcing it into the Cartridge that should not be in the Chamber”

DEATH OR SERIOUS INJURY

3. Never insert a Cartridge into the Chamber to achieve more capacity...

SAFETY RULES:

1. HEARING protection is mandatory the VR1 rifles are extremely LOUD.
2. EYE protection is mandatory the VR1 rifles employ a muzzle brake, which directs gasses rearward at high velocity.
3. NO ALCOHOLIC Beverages while shooting VR1 Rifles.
4. Never point a firearm at anyone, or in any direction other than a SAFE direction.
5. Always handle firearms as if they were loaded.
6. Keep your finger off the trigger until the target is in view.
7. Keep the rifle's safety on and finger away from the trigger during loading and unloading of the weapon.
8. Before firing at the target ensure that no person, animal, or other object that could be hit is behind or near the target.
9. Never give or take a firearm from anyone that doesn't have the breech open.
10. Ensure to use new ammunition or ammunition in perfect condition.
11. Before using, with the rifle unloaded and the bolt drawn back and locked check that the barrel is perfectly empty and clear of any obstruction.
12. Before shooting a unfamiliar rifle, be sure that you understand completely it's functioning: Lack of experience can be the cause of serious accidents.
13. Firearms and ammunition should always be stored separately, and locked, well away from children's reach.

OPERATION:

The VR1 operational system sequences:

1. **FIRING:** Once the trigger is pulled the Hammer is released and impacts the Firing Pin. The Firing Pin lights the Primer, which fires up the cartridge in the chamber. The gasses given off by the explosive reaction propel the projectile out of the barrel and simultaneously expand into the Gas collector cylinder, thus causing immediate retraction of the piston.
2. **CLEARING:** The piston drives the Main Bolt rearward; the Extractor connected to the Main Bolt pulls the fired cartridge from the chamber.
3. **EXTRACTION / EJECTION:** At the end of the Main Bolt movement the spent cartridge that is connected to the extractor is definitely ejected upon hitting the Fixed Ejector. Simultaneously recocking the Hammer, ready for the next pull.
4. **RELOADING:** The Main Bolt's movement rearward has "stored energy in the Return Spring" that now is free to move forward stripping a new Cartridge from the Detachable Magazine and rapidly inserting that Cartridge into the Chamber.
5. **LOCK & LOAD:** As the Main Bolt reaches the forward limits it rotates the Bolt face locking the Cartridge into the Chamber.

The sequence is complete and the Rifle is ready to shoot once again:

WARRANTY:

Vigilance Rifles will not be held responsible for consequential damage derived from the use of improper ammunition, lack of maintenance, or from accidents resulting from misuse of the Firearm.

Lifetime warranty on all parts and labor for original owner. If a part breaks it will be replaced at no cost to the customer. Original owner must be registered with Vigilance Rifles. If rifle has to be sent in for repair customer pays for shipping here, we pay for shipping back.

Combat Rifles have no warranty, parts will be repaired or replaced at factory cost. Shipping and Labor at factory cost.

DISASSEMBLY:

Your VR1 Rifle is very innovative. It can be stripped in less than a minute without any tools and very little practice. It is important to know how to disassemble your Rifle. Not only is it good to know how your Rifle works it is necessary to strip it for proper cleaning, and component inspection. Plus it is much easier to clean the Barrel from the Breach while the Barrel is in a non-marring Vice mounted to a sturdy Bench.

1. Remove the Bipod via loosening the screw and pushing the latch.



2. Unscrew the front Stock retaining nut; it should only be hand tight.



3. Loosen the Montana Sling and slide the front Stock forward towards the muzzle, the sling will pull out of the stock after it clears the retaining rod.



4. Make sure the Bolt is in the forward / closed position!
Using the wrench that is attached to your Sling loosen and remove the retaining rod. The Rifle should be resting on its Recoil Pad at this point.



5. Make sure the Bolt is in the forward / closed position! If it is not you must slide the Bolt release lever to cycle it forward.
With one fluent and forward motion pull the upper receiver barrel assembly forward.



6. To remove the bolt assembly, slide the Bolt handle to where the slot is bigger in the upper receiver. It will pull out of the Main Bolt in this location. It is a little bit of a pull but does not require any tools. Now simply slide the Bolt out the rear of the Upper Receiver.



7. To disassemble the Bolt pull the little pin out of the back left side of the Bolt. Be careful not to lose the Firing pin spring when pulling the Firing Pin.
Note: The rifle will not fire without the Fire pin springs so don't lose it.
With the Fire pin removed the cam pin will lift out and now the Bolt face will pull out the front. Don't worry about putting it back together wrong, because it can only go back together one way.



8. Reassembly is easy. The only difference is after you have the upper receiver lined up on the lower receiver and it all looks ready to go back together. Now you have to pull the Bolt handle back about 5/8 of an inch to allow the Bolt to go over the 2 push pins in the lower receiver. After that just follow your steps backwards or your instincts...



9. Check your O-rings replace if necessary, install the retaining nut.
Note: The retaining nut should not be tightened any tighter that you can get it with the supplied Sling Wrench. Over tightening of this nut can change your Scope Zero. It is a good idea to make a reference mark on the Retaining nut and Gas collector, so as to tighten your rifle the same spot every time you strip it.



TRIGGER ASSEMBLY REMOVAL:

Push the two ¼ inch pins thru the receiver.

Note: One pin is longer than the other; the longer goes to the front.

We don't recommend disassembly of the trigger workings.

Clean it with compressed air and lubricate slightly.



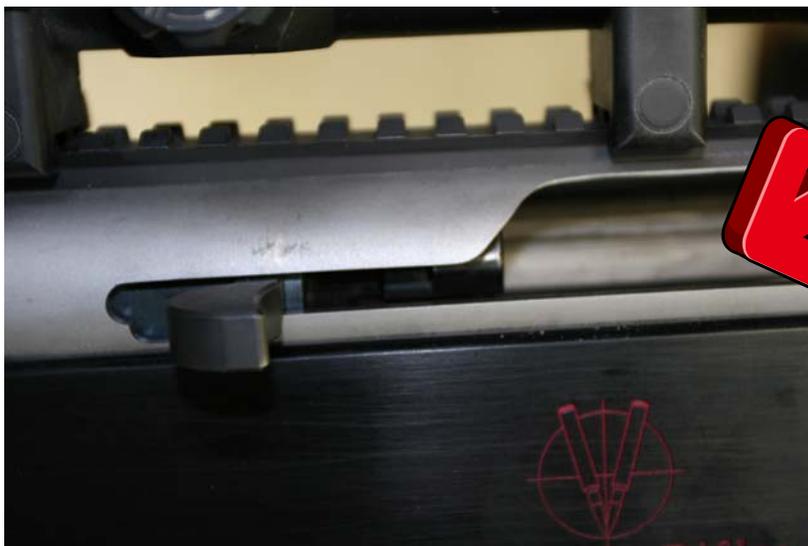
BARREL CLEANING:

A clean Barrel is the only way to achieve good accuracy. The larger the caliber the quicker it gets fowled. Fowling is when you can see Copper or Brass in the Rifling of the Barrel. Only after you have cleaned the powder fowling can you see Copper fowling. It can take a great deal of time to clean your large caliber rifle to where you see no fowling. Becoming cumbersome and tedious at times, however it can be quite enjoyable if you have the right frame of mind, place and time to do it right. The techniques and opinions on cleaning are endless, so we'll leave this to you and your instincts.



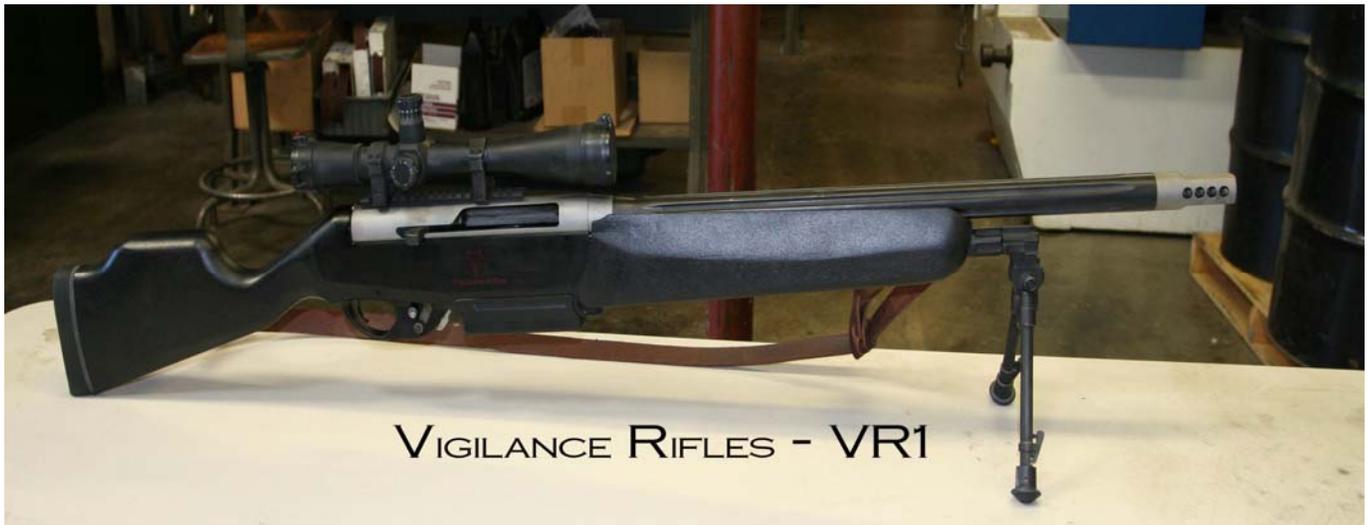
LUBRICATING AND CLEANING:

Remove all powder residues with your favorite cleaner.
Only a couple drops of gun oil are needed on the slide slots in the upper receiver, Bolt Face shaft, and Cam pin.



NOTES:

1. Never place a Cartridge into the Chamber to achieve more capacity.
2. Heavy Magazine spring pressure allows the Magazines to only be installed with the rifle unloaded and the bolt drawn back into the locked position.
3. If the Bolt will not draw back into the locked position, you have put the Safety on after releasing the Hammer/pulling the Trigger. Push Safety off and the Bolt will draw back into locked position.
4. Failed to fire Cartridge:
 - a. Wait a minute to make sure you don't have a bad primer that may be delayed on firing. You don't want to open the Bolt and have the Cartridge Fire.
DEATH OR SERIOUS INJURY
 - b. Cartridge failed to load to full locked position, Firing pin cannot reach the primer unless the Bolt has reached it's full locked position.
 - c. Bad Ammo or perhaps reloaded ammunition that has been Full sized to short and now the Fire pin cannot reach the Primer. Or perhaps Full sized to long and the Bolt cannot fully close. We recommend using new ammunition.
 - d. Firing Pin tip may be missing. Even though every possible measure has been taken Including S-7 (shock resistant tool steel) and certified 40 R/C Heat treat. Firing Pins, can fail over time. The Large Calibers and Magnum Primers really work the Fire Pins to their limits. Your rifle has been supplied with a spare.
 - e. If none of the above reasons seem to fit your situation please call the factory.



VIGILANCE RIFLES - VR1

