



IMPORTANT:

DO NOT ATTEMPT TO LOAD
AND SHOOT YOUR RIFLE UNTIL
YOU HAVE THOROUGHLY READ
THIS INSTRUCTION MANUAL
AND ARE FULLY FAMILIAR WITH
ITS CONTENTS.



READ THE INSTRUCTIONS AND
WARNINGS IN THIS MANUAL CAREFULLY
BEFORE USING THIS FIREARM!

OWNERS MANUAL

THIS INSTRUCTION MANUAL SHOULD ALWAYS ACCOMPANY THIS FIREARM AND BE
TRANSFERRED WITH IT UPON CHANGE OF OWNERSHIP, OR WHEN THE FIREARM IS
LOANED OR PRESENTED TO ANOTHER PERSON

FOR PRODUCT SERVICE OR ADDITIONAL INFORMATION CALL (435) 359-2890 OR
VISIT OUR WEBSITE AT WWW.VUDOOGUNWORKS.COM

V22
BOLT ACTION
REPEATER

TABLE OF CONTENTS

Page

Introduction / Safety Information.....3

Safety Guidelines3

Locking Device Installation and Operation4

V22 Features and Nomenclature.....5

Operating Instructions.....7

Operation of the Safety7

Ammunition.....7

Muzzle Devices8

Magazine Removal8

Magazine Loading.....8

Loading of the Rifle.....9

Single Shot Adapter10

Unloading of the Rifle.....10

Malfunctions & Jams10

Care & Maintenance.....11

Rifle Cleaning Procedure11

Breech Face12

Receiver12

Crown of the Barrel12

Chamber and Bore.....12

Service, Repair, and Warranty.....13

Rifle Service and Repair13

Parts.....14

Warranty.....14

INTRODUCTION / SAFETY INFORMATION

FIREARMS SAFETY IS YOUR RESPONSIBILITY

SAFETY MUST BE THE MOST IMPORTANT AND CONSTANT CONSIDERATION OF EVERY PERSON WHO HANDLES FIREARMS AND AMMUNITION

WARNING! FIREARMS ARE DANGEROUS WEAPONS - READ THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL THOROUGHLY AND CAREFULLY BEFORE USING. DO NOT USE ANY FIREARM WITHOUT HAVING A COMPLETE UNDERSTANDING OF ITS PARTICULAR CHARACTERISTICS AND SAFE USE.

This Instruction Manual is designed to assist you in learning how to use and care for your high-quality, precision Voodoo Gun Works rifle properly. Please contact us if you have any questions regarding its use or handling.

Only when you are certain you fully understand the manual and can properly carry out its instructions should you practice loading, and/or operating your rifle with live ammunition. If you have any doubts about your ability to handle or use a particular type of gun safely, then you should seek supervised instruction. Such personalized instruction is often available from gun dealers, gun clubs, or police departments. If none of these sources can help you, write to the National Rifle Association, 11250 Waples Mill Road, Fairfax, VA 22030-7400. They will assist you.

Safety Guidelines

1. Always handle your firearm as if it were loaded.
2. Never point your firearm at anything you do not intend to shoot.
3. Never take anyone's word that a gun is unloaded.
4. Always make sure that your firearm is not loaded before laying it down or handing it to another person.
5. Always store your rifle unloaded with the provided lock in place.
6. Never abuse your firearm by using it for any purpose other than shooting.
7. Never leave a loaded firearm unattended.
8. Prior to loading the firearm make sure that barrel bore, chamber, and action are clean and clear of obstructions.
9. Always use only original, high-quality, commercially-manufactured ammunition, which is appropriate to the caliber of your rifle.
10. Never drink alcoholic beverages or take drugs before or during shooting.
11. Always wear safety glasses and ear protection during shooting.
12. Always keep the safety on when the rifle is loaded with a cartridge.

in the chamber, until you are ready to fire. Keep firearm pointed in a safe direction when disengaging the safety.

13. Always be sure to keep the ejection port free from obstructions.
14. Never put your finger on the trigger or inside the trigger guard until you are aiming at a target and ready to shoot.
15. Always be absolutely sure of your target and the area behind it before you fire your rifle. A bullet could travel through and/or beyond your target up to several hundred yards.
16. Never shoot at a hard surface such as rock, or a liquid surface such as water.

Locking Device Operation and Installation

**WARNING: LOCKING DEVICES MUST BE USED
SAFELY AND RESPONSIBLY**

1. Keep the muzzle pointed in a safe direction and your fingers outside the trigger guard at all times.
2. Be sure the firearm and its magazine are completely unloaded and contain no cartridges or cartridge cases. Remove the magazine from your firearm.
3. Open the action completely. It is also recommended to completely remove the bolt from the firearm during locking and storage.
4. Apply the lock by placing the cable of the lock through the ejection port and down through the magazine well as shown in [Fig. 1](#).
5. Close the lock by pressing the shackle into the body of the lock (the part that receives the key) as tightly together as possible. The lock has bumpers and the shackle is coated with a non-marring material that will not harm the metal finish of your firearm; be careful not to dent or scratch wooden stocks.
6. Once the lock is securely closed, remove the key and pull firmly on the lock to test the connection and be sure it is locked. Do not leave or store your firearm with the key in the lock. Store your locked unloaded firearm and the key in secure, separate locations, away from ammunition, children, or unauthorized adults.



Fig. 1 - Lock Operation

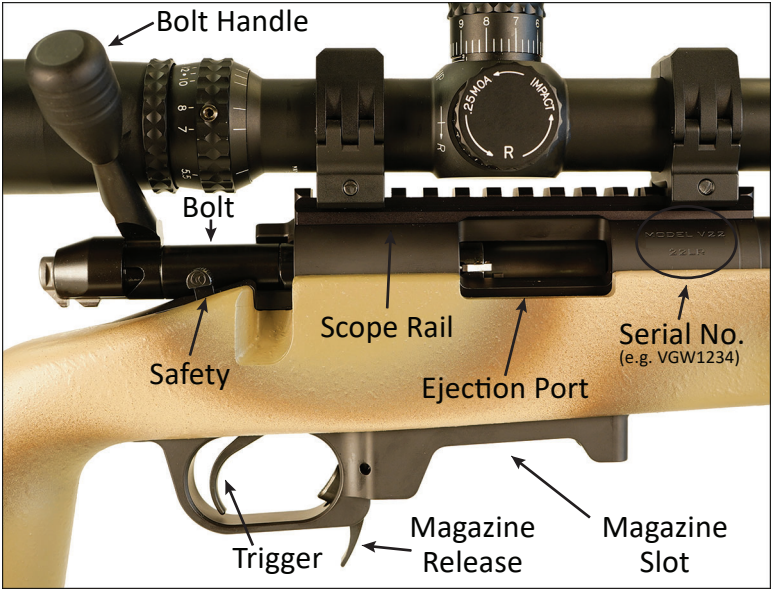
V22 Features & Nomenclature

The Voodoo V-22 rimfire rifle includes the following features users should be thoroughly familiar with before operation of their rifle:

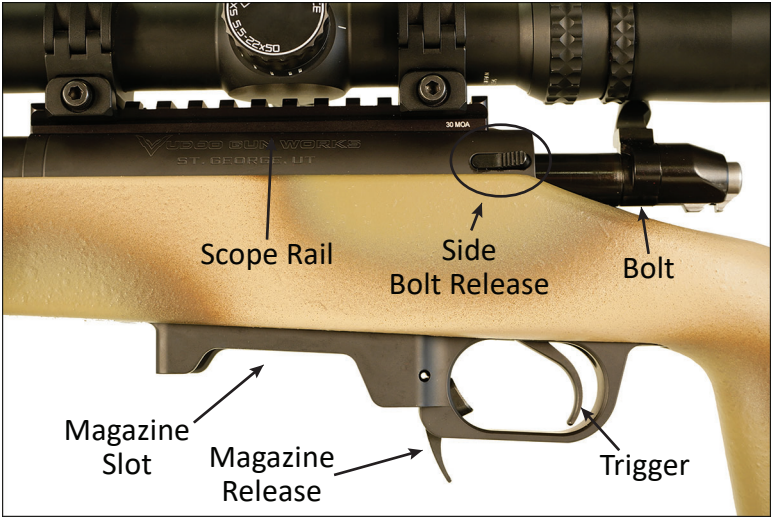
V22 TERMS

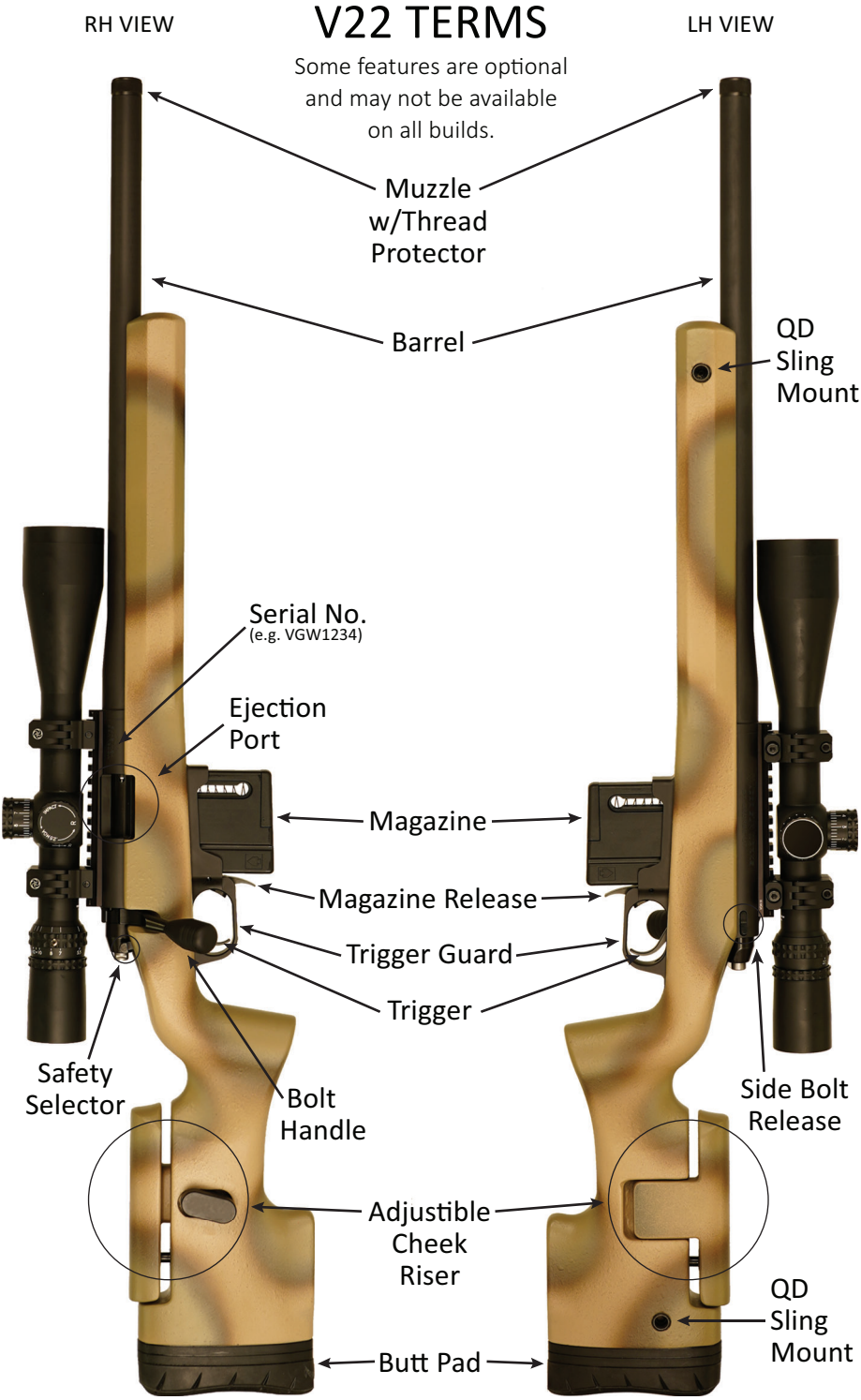
Some features are optional and may not be available on all builds.

RH VIEW



LH VIEW





OPERATING INSTRUCTIONS

Operation of the Safety

Because the Voodoo V-22 action is designed to accept any Remington 700 compatible trigger, the safety mechanism and its operation may vary slightly from trigger to trigger. Please see the individual trigger manufacturer's documentation for more detailed instructions on the proper operation of the trigger installed in your V-22. (Fig. 2)



Fig. 2 - Safety Mechanism

The safety should always be in the “on” (safe) position except when the shooter is actually firing the gun. The safety should be moved to the “on” position whenever the shooter ceases firing, even temporarily. If the safety is “off” and the trigger is pulled, the rifle will fire.

Never depend on a safety mechanism or any other mechanical device to justify careless handling or permitting the rifle to point in an unsafe direction. The only “safe” rifle is one in which the bolt is open, the chamber is empty, and there is no magazine in the gun.

Ammunition

WARNING – LEAD EXPOSURE!

SHOOTING OR CLEANING GUNS MAY EXPOSE YOU TO LEAD

Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

Note: Your Voodoo V-22 rifle has been specifically chambered for ‘match’ quality .22 Long Rifle ammunition. Use of ‘non-match’ ammunition is discouraged and will often times result in a tight or hard bolt close with unsatisfactory results.

Use only factory-manufactured ammunition of appropriate caliber which are in compliance with CIP regulations (International Proof Commission for Firearms) or SAAMI (Sporting Arms and Ammunition Manufacturers’ Institute Inc. of the United States). The use of other cartridges could damage the firearm or cause injury to the shooter.

AMMUNITION (CARTRIDGES) NOTICE

VUDOO GUN WORKS SPECIFICALLY DISCLAIM RESPONSIBILITY FOR ANY DAMAGE OR INJURY WHATSOEVER OCCURRING IN CONNECTION WITH, OR AS A RESULT OF THE USE OF FAULTY, NON-STANDARD, "REMANUFACTURED," OR HAND-LOADED (RELOADED) AMMUNITION, OR OF CARTRIDGES OTHER THAN THOSE FOR WHICH THE FIREARM WAS ORIGINALLY CHAMBERED.

Muzzle Devices

If your V-22 rifle came outfitted with a threaded barrel, it was designed to accommodate the use of rimfire suppressors/silencers and other appropriate muzzle devices which feature standard 1/2-28 TPI threads. Be sure you are thoroughly familiar with the individual manufacturer's instructions for the safe installation and usage of your suppressor/silencer and/or muzzle device before attaching it to your V-22 rifle.

ONLY INSTALL AND USE MUZZLE DEVICES SPECIFICALLY DESIGNED AND RATED FOR USE ON A 22LR CALIBER RIFLE.

Magazine Removal

Press the magazine catch usually located in front of the trigger guard (Fig. 3), and remove the magazine from the firearm.



Fig. 3 - Magazine Removal

Magazine Loading

With the open end uppermost, grasp the magazine in one hand. Place a cartridge on the magazine follower with the base just forward of the retaining lips. Press the cartridge down and back until it touches the rear flat edge of the magazine (Fig. 4). This is made easier by using the follower assist button on the side of the magazine to relieve spring tension as you place the next cartridge on top of the previous cartridge. Because the 22 LR cartridge is manufactured with a protruding rim at the base of the cartridge, be sure that, as each round is loaded, it does not pass the rim of the round below



Fig. 4 - Magazine Loading

it causing “rim-lock” which can negatively affect feeding of the rounds from the magazine upon operation.

Loading of the Rifle

**ALWAYS MAKE SURE THE RIFLE IS POINTED IN A
SAFE DIRECTION WHEN LOADING!**

Insert a loaded magazine into the rifle until it is securely caught by the magazine catch.

Grip the rifle with the left hand by its fore-end, place the buttplate against your body and grip the bolt handle with the other hand. Open the bolt by raising the bolt handle and pulling it to the rear to its stop (Fig. 5). Then push the bolt continuously to its forward position again and, by rotating the bolt handle in a downward direction, close the bolt action. This procedure inserts the cartridge into the cartridge chamber and cocks the mechanism.



Fig. 5 - Loading the Rifle

The rifle is now ready to fire. If you do not intend to fire immediately, ensure the firearm safety is fully engaged as described further in the section “Safety and its Operation.”

Single Shot Adapter

(Optional Accessory)

When using a single-shot adapter installed in the rifle, open the bolt and place the cartridge on the follower.

(Fig. 6) Proceed in the same manner as when employing the magazine. The single-shot adapter allows convenient shooting of your V-22 rifle one round at a time, without the magazine in place while maintaining the highest levels of accuracy as it protects the bullet against damage during the feeding cycle.



Fig. 6 - Single Shot Adapter

Unloading of the Rifle

**ALWAYS MAKE SURE THE RIFLE IS POINTED IN A
SAFE DIRECTION WHEN UNLOADING!**

1. Remove the magazine in the manner already described.
2. Move the safety to its "Safety-Off" position so the bolt can be opened.
3. Open the bolt and check to ensure that the cartridge has been extracted from the chamber and ejected.
4. Close the bolt.
5. Depress the trigger (dry fire).

Malfunctions & Jams

WARNING – MALFUNCTIONS

Crushing or impacting the rim of a rimfire cartridge can cause premature explosion or bursting of ammo.

The .22 Long Rifle rimfire cartridges fire when the firing pin impacts the relatively soft cartridge-case rim, and also can be "discharged" before it is chambered if the rim receives a sharp blow. If a cartridge hangs up, jams, or binds when being chambered or when being fed from the magazine into the chamber, do not attempt to force it into the chamber by pushing or striking the bolt.

Any jam or feeding problem is a signal to immediately stop using the gun

until it can be determined what is wrong. Most failures of a cartridge to feed or to chamber are caused by a damaged magazine, improper gun handling, poor maintenance, or improper or defective ammunition. Whatever the cause, rimfire cartridge jams can result in the potentially dangerous situation of a cartridge discharging before it is chambered. If this occurs, the cartridge case will rupture and its fragments will fly out of the gun with sufficient force to cause injury. Always wear appropriate safety gear, including shooting glasses and hearing protection, and keep your face away from the chamber!

CARE & MAINTENANCE

Rifle Cleaning Procedure

At regular intervals, or whenever the rifle has been exposed to sand, dust, extreme humidity, condensation, immersion in water, or other adverse conditions, disassemble, clean, and oil it. Proper periodic maintenance is essential to the reliable functioning of any firearm. This will ensure that it remains in peak condition and will continue to perform for decades to come.

Any failures to feed or extract rounds may be indications of a dirty chamber. An excess of dirt, powder residue, or oil in the chamber will cause malfunctions and may result in potentially dangerous cartridge case ruptures and release of hot gasses and case fragments when firing.

If your rifle is extra dirty or if you see your accuracy start to degrade, we recommend you follow the complete cleaning procedure below:

WARNING: Ensure your rifle is completely unloaded before attempting to clean or disassemble any part of your rifle. Be sure to follow the appropriate unloading procedure outlined in this manual.

Recommended tools:

- An appropriately sized cleaning rod
- 22 caliber nylon brush
- 22 caliber jag
- One to two dozen 1 inch cotton patches
- A nylon armorers brush or any household toothbrush
- A plastic dental-style pick
- A light cleaning solvent. (We recommend CLP from Lucas Oil, but any mild rimfire solvent is acceptable. Because 22LR cartridges don't have a copper jacket, a more corrosive, copper-dissolving solvent isn't necessary.)

- A couple of dry rags and a can of compressed air available for blowing away debris
- A flashlight for inspecting the receiver chamber and bolt-face

Breech Face

Upon inspection, you may see some areas of light discoloration on the breech face. These are typically lead deposits, and it's a good idea to remove them with a plastic dental pick, as the brush won't usually remove them. Perform this step before cleaning the chamber and the bore. Once you have removed any lead, clean the back of the breech face gently with the nylon armorers brush.

Receiver

Using your nylon armorers brush, run your brush round the inside of the receiver lightly to dislodge any foreign debris. You can also use a 223 chamber brush or even an inexpensive bottle brush to make short work of this step.

Crown of the Barrel

After applying some solvent to your cleaning brush, gently brush the crown removing any carbon build-up that may be deposited there. Follow that with a dry rag to remove any remaining film. Do not use any kind of metal device to scrape or poke at the crown of your barrel, as you may damage it.

Chamber and Bore

Because it can have such an impact on the accuracy of your rimfire rifle, inspecting and properly cleaning the chamber and bore is the most critical part of the cleaning process. First, wet your 22 caliber nylon bore brush with solvent and push it gently back and forth through the entire length of the bore 2-3 times. Now using your jag, push 1 or 2 clean patches through the bore. Repeat this process until your patches come out clean. If you intend on putting your rifle in storage after the cleaning process, you can run a lightly oiled patch down the barrel as the last step to help prevent any corrosion from forming during storage.

Bolt Body and Bolt Face

Using your nylon armorers brush and a little solvent, scrub the bolt body and bolt nose. Pull the extractors back lightly and brush any debris out from underneath them. You can use a little compressed air to help remove any loose material. Lightly oil the extractor pins, the cocking piece, and rub a little oil over the bolt body with your fingers.

*Note: After this cleaning process, you may need to shoot a few dozen rounds to fully re-season your barrel.

SERVICE, REPAIR, AND WARRANTY

Rifle Service and Repair

WARNING: BEFORE SHIPPING ANY FIREARM, BE ABSOLUTELY CERTAIN THAT IT AND ITS MAGAZINE ARE UNLOADED. DO NOT SHIP ANY CARTRIDGES WITH A FIREARM.

If you have any questions regarding the performance, maintenance, and/or service of your Vudoo Gun Works V-22 rifle, please call our Service Department at **(435) 359-2890** or write us at the below address.

If shipping your rifle back to the factory for service, upgrade, or repair, please send your rifle to:

Vudoo Gun Works
Attn: Product Service
4012 So. River Rd. Ste. 4-F
Saint George, UT 84790

Any rifle returned to the factory for service, upgrade, or repair should be sent prepaid unless otherwise arranged. We will not accept collect shipments.

Service and/or repair work may be subject to a minimum labor charge and charges for shipping and handling. Custom gunsmithing services or nonstandard alterations are **NOT AVAILABLE** from Vudoo Gun Works. Please contact our Product Service Department for questions about pricing before shipping your rifle.

The Federal Gun Control Act, as well as the laws of most States and localities, do not prohibit an individual (who is not otherwise barred from purchasing or possessing a firearm) from shipping a firearm directly to the manufacturer for repair. However, before you ship your rifle to us, be certain that your State or locality does not have a law or regulation which will prohibit you from receiving the rifle from us after it has been repaired. If such receiving is prohibited, then please have a Federally Licensed firearms dealer ship the gun to us. If your rifle is sent to us by a dealer, it will be returned to that dealer after being repaired. NOTE: Firearms may not be shipped via U.S. Mail.

Enclose a letter that includes your name, address, telephone number, and serial number. Describe in detail the trouble you have experienced with your firearm, or the work you wish to have done. Merely stating that the firearm "needs repair" is inadequate information.

Parts

Please call our Service Department at **(435) 359-2890** for parts availability and current prices. Some parts and/or accessories can also be ordered off our website at **www.vudoogunworks.com**.

Because the receiver is a serial-numbered part and defined as a “firearm” by Federal law it is not sold as a separate component.

It is the purchaser’s responsibility to be absolutely certain that any parts ordered from the factory are correctly fitted and installed. Firearms are complicated mechanisms and IMPROPER FITTING OF PARTS MAY RESULT IN A DANGEROUS MALFUNCTION, DAMAGE TO THE FIREARM, AND SERIOUS INJURY TO THE SHOOTER AND OTHER PERSONS. The purchaser and installer of parts must accept full responsibility for the correct adjustment and functioning of the firearm after such installation.

Warranty

The Magnuson-Moss Act (Public Law 93-637) does not require any seller or manufacturer of a consumer product to give a written warranty. It does provide that if a written warranty is given, it must be designated as “limited” or as “full” and sets minimum standards for a “full” warranty.

Vudoo Gun Works has elected not to provide any written warranty, either “limited” or “full”, rather than attempt to comply with the provisions of the Magnuson-Moss Act and the regulations issued thereunder. There are certain implied warranties under state law with respect to sales of consumer goods. As the extent and interpretation of these implied warranties varies from state to state, you should refer to your state statutes. Vudoo Gun Works is dedicated to the satisfaction of its customers and wishes to assure its customers of its continued interest in providing world-class service to owners of Vudoo Gun Works firearms.





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**A COPY OF THE INSTRUCTION MANUAL FOR ANY VUDOO
GUN WORKS FIREARM IS AVAILABLE FROM OUR OFFICE
FREE ON REQUEST, OR IT MAY BE DOWNLOADED FROM
OUR WEBSITE AT WWW.VUDOOGUNWORKS.COM.**

**THESE INSTRUCTION MANUALS CONTAIN IMPORTANT
WARNINGS WHICH MUST BE FULLY UNDERSTOOD BEFORE
USING THESE FIREARMS.**

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