

**THANK YOU FOR PURCHASING YOUR
RATTLESNAKE TACTICAL, LLC Rifle**



This **INSTRUCTION MANUAL** is a very **IMPORTANT** feature of your new rifle.

PLEASE TAKE THE TIME TO READ IT THOROUGHLY!

It includes instruction and cautions related to

- ✓ SAFETY
- ✓ MECHANICAL OPERATION
- ✓ GENERAL HANDLING
- ✓ AMMUNITION
- ✓ MAINTENANCE
- ✓ STORAGE

While this firearm has been manufactured with great care and includes many internal and manual safety components, its use and ownership is **YOUR RESPONSIBILITY.**



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This manual includes many **WARNINGS, CAUTIONS AND SUGGESTIONS**. These should be reviewed, understood and followed by users of the firearm. Ignore them and you will run the risk of damaging the firearm and even injury or death to you or a bystander. Always insure that the firearm is **SECURELY STORED** whenever it is not in your immediate control. If you are unable to place the gun under lock and key, you can easily remove the bolt group from the rifle and store it separately.

Remember that it's **YOUR RESPONSIBILITY** to insure that you **COMPLY WITH ALL FEDERAL, STATE and LOCAL LAWS** with regard to the purchase, ownership, use, and storage of your firearm.

Safety is seldom found between a person's hands...

SAFETY IS FOUND BETWEEN YOUR EARS.

NOTICE

SAFE GUN HANDLING AND STORAGE ARE YOUR RESPONSIBILITY!

THE COMPANY HAS NO CONTROL OVER THE HANDLING, USE OR STORAGE OF THIS FIREARM. UNDER NO CIRCUMSTANCES WILL THE MANUFACTURER OR SELLER BE HELD RESPONSIBLE NOR ACCOUNTABLE FOR ANY PROPERTY DAMAGE, INJURY OR DEATH RESULTING FROM ANY ONE OR COMBINATION OF THE FOLLOWING CIRCUMSTANCES:

- ✓ **Disregard of safety guidelines and storage.**
- ✓ **Negligent or criminal use.**
- ✓ **Improper or careless handling.**
- ✓ **Use of an insufficient backstop or bullet trap.**
- ✓ **Improper or negligent repair or modifications.**
- ✓ **The use of improper, defective, non-standard or reloaded ammunition.**

If you don't understand any portion of this manual or are unsure of the proper use of this firearm, please contact our company and an experienced representative will help address any questions.



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NOTE: The rifle you have purchased may be similar to other models and/or calibers of Rattlesnake Tactical, LLC. firearms. The text, pictures and exploded views may not necessarily depict all model variations that are available.

After each chapter, space is provided for you to jot down any important notes you may like to include for your own benefit or as reminders.

Chapter 1:	Unpacking your New Rifle
Chapter 2:	Know the Rules of Safe Gun Handling
Chapter 3:	Components, Schematic, Location of Serial Number
Chapter 4:	Unloading/Inspection of the Firearm
Chapter 5:	Disassembly and Maintenance
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Chapter 7:	Loading and Firing
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Chapter 10:	Sights and Sight Adjustment
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Notes:

Chapter 1: Unpacking your new rifle

- I. Carefully unpack the rifle from its container and; as should be done whenever a firearm is placed in your hands, inspect it to be sure it is unloaded and that no magazine is inserted in the rifle. Set the rifle aside.
- II. Follow these basic rules of gun handling:
 - a. Treat every gun as if it is loaded!
 - b. Always keep the firearm pointed in a safe direction!
 - c. Never load the weapon until it is ready for use!
 - d. Keep your finger off the trigger until you are ready to shoot!
- III. Insure that you have received all ordered items.
- IV. Your rifle has arrived fully assembled. This does not mean that it is ready to take to the range. The rifle should be properly cleaned to remove any packaging greases.
- V. It's now time to sit down and completely review the owner's manual prior to any further use.

Notes:

Chapter 2: Know the Rules of Safe Gun Handling

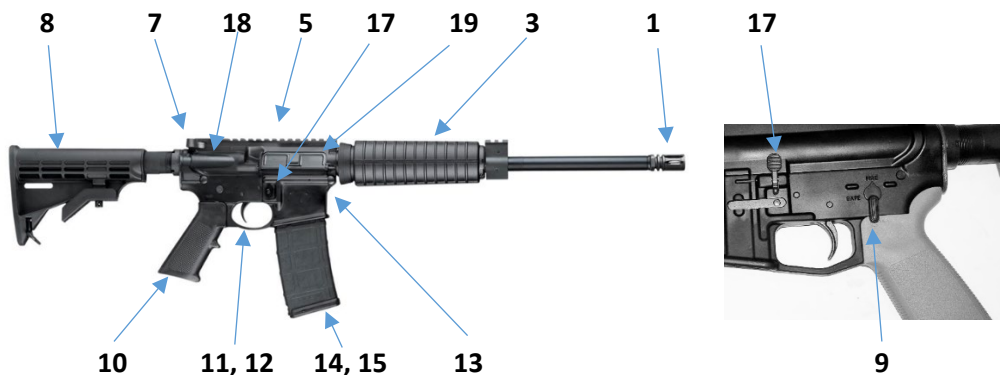
- I. The rules of safe gun handling should never be ignored. It never hurts to review these cautions:
 - ✓ Treat every gun as if it is loaded!
 - ✓ Always keep the muzzle pointed in a safe direction.
 - ✓ Never point your firearm at anything that you do not intend to shoot.
 - ✓ Keep your finger off the trigger and out of the trigger guard until you are aiming at your target and ready to shoot.
 - ✓ Always keep the safety in the "SAFE" position until you are ready to fire.
 - ✓ Always keep and carry your firearm with an empty chamber until its intended use; reducing the risk of an unintentional discharge. Firearms should be unloaded when not actually in use.
 - ✓ Be sure of your target and backstop before you shoot. Ask yourself what your bullet will hit if it misses or goes through the backstop.
 - ✓ Bullets can ricochet. Never shoot at hard, flat surfaces or water.
 - ✓ Always wear hearing and eye protection when shooting.
 - ✓ Be sure that your barrel is clear of obstructions, including excessive oil, grease, cleaning patches, etc. before shooting.
 - ✓ Use only clean, high quality factory loaded ammunition in good condition.
 - ✓ Do not alter or modify your firearm.
 - ✓ Do not try to change your firearm's trigger pull. Altering the trigger can affect sear engagement and might cause accidental firing.
 - ✓ Store firearms and ammunition separately, and beyond children's reach.
 - ✓ Discharging firearms in poorly ventilated areas and firearm maintenance can result in exposure to lead. While lead has been linked to serious health issues, these risks are

substantially reduced by insuring that you have adequate ventilation and that you thoroughly wash your hands after every use and/or cleaning of any firearm.

Notes:

Chapter 3: Components, Schematic and the Location of the Serial Number

I. Key to basic components



1	Flash Suppressor	Notes:
2	Front Sight Post	
3	Forearm / Handguard	
4	Carry Handle / Optional Carry Handle	
5	Upper Receiver	
6	Rear Sight Assembly	
7	Charging Handle	
8	Stock / Fixed / Adjustable	
9	Safety Selector	
10	Hand grip / Grip	
11	Trigger	
12	Trigger Guard	
13	Lower Receiver	
14	Magazine Well	
15	Magazine	
16	Magazine Release	
17	Bolt Release Lever	
18	Forward Assist	
19	Dust Cover / Hinged, Open-Close	

II. Location of the Serial Number

- The serial number for your firearm is on the left side of the magazine well on the lower receiver, forward of the trigger guard.
- Copy and maintain records of the serial number of your firearm. This will aid you in the case of any future information requirements, repair needs or in the event that the firearm is lost or stolen.

Write your Serial Number here: _____

Notes:

Chapter 4: Unloading/Inspection of the Firearm

- I. This process should be performed prior to maintenance, repair, cleaning or when removing the firearm from storage.
 - a. Insure that the Muzzle is pointed in a safe direction.
 - b. Place the Safety Selector in the "SAFE" position.
 - c. Press the Magazine Release inward and pull down on the Magazine to remove it from the firearm.
 - d. Pull the Charging Handle straight back until it stops and press the bottom of the Bolt Release Lever. This will lock the Bolt in the retracted/open position.
 - e. Inspect the ejection port and chamber visually to insure that the chamber is empty.

Notes:

Chapter 5: Disassembly and Maintenance

- I. Insure that the firearm is UNLOADED. See Chapter 4.
- II. Disassembling for cleaning.
 - a. Push the Bolt Catch and allow the Bolt to come forward on an empty chamber.
 - b. Locate the Take Down Pin. It is located on the left side of the lower receiver above and to the rear of the Safety Selector.
 - c. Push inward on the pin from the left side of the receiver and toward the right side.
 - d. The pin will now protrude from the right side of the lower receiver. It can either be pushed through or pulled until it stops. Do not attempt to remove it completely; it has a built-in stop to prevent its removal.
 - e. The upper portion of the receiver will now pivot on the front action pin. Grasp and lift the rear of the upper receiver while grasping the lower receiver. This will expose and allow access to the Bolt and fire control group.
 - f. Unlatch and pull back on the Charging Handle. This will extract the Bolt Carrier Group.
 - g. Pull the Bolt Carrier straight back until free and remove it from the upper receiver.
 - h. Pull the Charging Handle straight back until it stops and allow the forward portion to drop down/disengage from the upper receiver and remove.
- III. Bolt Carrier Group disassembly.
 - a. The Bolt Carrier Group is made up of the following parts:
 - ✓ Bolt Assembly



- ✓ Bolt Carrier Assembly
- ✓ Cam Pin
- ✓ Gas Key
- ✓ Firing Pin Retaining Pin
- ✓ Firing Pin
- ✓ Gas Rings
- ✓ Ejector
- ✓ Extractor
- ✓ Extractor Pin



b. Disassembly.

1. Push the Bolt Assembly into the Bolt Carrier until it stops.
2. Remove the Firing Pin Retaining Pin.
3. Slide the Firing Pin to the rear until it can be removed.
4. Turn the Cam Pin $\frac{1}{4}$ turn, allowing the pin's head to clear the Gas Key. Pull straight out.
5. Remove the Bolt Assembly from the Carrier Assembly.



c. Bolt Assembly.

1. The Bolt Assembly is made up of four components:
 - a. Gas Rings
 - b. Ejector
 - c. Extractor
 - d. Extractor Pin
2. Disassembly
 - a. Push the Extractor Pin out to remove the Extractor.
 - b. No further disassembly is required during maintenance. It is important that you inspect the condition of the spring and spacer on the extractor. If they appear damaged or parts are missing, replace them accordingly.

IV. Buffer and Action Spring Disassembly.

The Buffer and Action Spring are located in the rear area of the Lower Receiver.

WARNING: The Buffer Spring is under tension/compression and care must be taken during its removal.

- a. Push down on the Buffer Retainer Pin while holding the Buffer back and trapping it within its housing.
- b. SLOWLY, allow the Buffer to clear the Retainer Pin and guide it forward while maintaining control of the Buffer and the Spring.
- c. When the spring's tension has been released, remove it from the Buffer Tube.



- d. Clean the interior of the Buffer Tube with a quality cleaner-lubricant-protectant (CLP).

Notes:

Chapter 6: Cleaning

- I. Insure that the firearm is UNLOADED, MAGAZINE REMOVED and SAFETY CATCH IS ON SAFE. **Review Chapter 4.**
- II. Remove any live ammunition from the area where you are working.
- III. Some cleaning solutions; if used improperly, may harm some firearms. Always read labeling prior to using any firearms cleaning product. Some bore cleaners used to remove copper fouling can be especially harmful if used improperly.
- IV. Cleaning firearms prior to their first use is an important step for removing excess oils and greases used for protection during packaging, shipment and storage. Failure to do so can cause damage to your firearm.
- V. Avoid allowing your cleaning rod to scratch against the bore or chamber of your rifle. Proper cleaning kits are available and should be purchased to better protect your investment.
- VI. Cleaning the Barrel

Note: The barrel and chamber should be cleaned from the breach (back) of the barrel; not from the muzzle.

 - a. Clean the bore of the barrel using a properly fitting rod. Begin by running a patch through that has been saturated with bore solvent.
 - b. Use a properly fitted bore brush to loosen fouling. While there are many opinions on the number of passes that should be made to properly clean the barrel, allow your own experience to make your decision. Ten seems a good number to consider.
 - c. Run a clean, dry patch through the bore. Repeat running clean patches through the bore until one comes out clean.
 - d. After cleaning, run a lightly oiled patch through the bore to act as a protectant.
 - e. Clean the chamber at the rear of the barrel with a proper chamber brush and appropriate bore solvent or other cleaner, lubricant and protectant (CLP). Brushing out this area will loosen and remove residue.
 - f. Wipe out the chamber with clean, dry patches until they come out clean.
 - g. DO NOT OIL THE CHAMBER.
- VII. Cleaning the Bolt Carrier Group
 - a. Remove the Bolt Carrier Group and disassemble (Chapter 5).
 - b. Clean with solvent and/or cleaner-lubricant-protectant (CLP). A wire or nylon gun cleaning brush works well.
 - c. Remove all excess oils and lubricants. Do not lubricate the inside of the Bolt Carrier. You may wish to oil the exterior of the Bolt Carrier, especially if being used in wet or humid conditions.
- VIII. Cleaning the Exterior of the Firearm

- a. Wipe down the entire firearm with a clean, dry cloth. Follow this with a lightly oiled cloth to prevent rust and corrosion.

Notes:

Chapter 7: Loading and Firing

- I. Preparation
 - a. Always keep the muzzle pointed in a SAFE DIRECTION
 - b. Place the Safety Selector on Safe.
 - c. If a Magazine is inserted in the gun; remove it.
 - d. Pull the Charging Handle to the rear and lock the Bolt in the open. Inspect the chamber to be sure that it AND the barrel are free of any obstructions.
- II. Loading
 - a. Insert a loaded Magazine into the firearm and give it a firm strike on the bottom to insure that it is fully seated. Note that the Magazine may be inserted whether the bolt is in the open or closed position.
 - b. If the Bolt is open, press the Bolt Release Lever. The Bolt will travel sharply forward, strip and chamber a cartridge from the Magazine.
 - c. If the Bolt is in the closed position, pull the Charging Handle fully to the rear and let it go. This allows the Bolt to travel forward, strip and chamber a cartridge. Do not attempt to lower the bolt manually; called “riding” the bolt, as this may cause a misfeed or incomplete chambering of the cartridge. Allow the firearm to operate as designed.
 - d. **KEEP YOUR FINGER OFF OF THE TRIGGER AND THE SAFETY ON UNTIL READY TO FIRE. ALWAYS BE SURE OF YOUR TARGET AND WHAT IS BEYOND. REFER TO Chapter 2: Know the Rules of Safe Gun Handling.**

Notes:

Chapter 8: Use and Operation

- I. **Insure that you are following the basics of safe gun handling. REFER TO Chapter 2: Know the Rules of Safe Gun Handling.**
- II. Insure that the Safety Selector is on SAFE.
- III. ALWAYS keep your finger off of the trigger until ready to fire.



- IV. Face the target with the gun directed in a safe direction, move the Safety Selector from Safe to Fire.
- V. Shoulder the weapon, align the sights, move your finger to the trigger and press.
 - a. Pressing the trigger will release the hammer and allow it to strike the firing pin which will ignite the cartridge's primer and fire the weapon.
 - b. The firing process is SEMI-AUTOMATIC. This firearm is NOT DESIGNED as a fully automatic firearm. It requires a DELIBERATE pull of the trigger to fire each shot.



Notes:

Chapter 9: Troubleshooting Problems

- I. Well maintained firearms and quality ammunition will help you avoid many of the possible function issues that can occur while using any firearm. Your Rattlesnake Tactical is no exception.
- II. Misfire or fail to fire.
 - a. Keep the gun pointed in a safe direction.
 - b. Remove your finger from the trigger.
 - c. Place the Safety Selector on Safe.
 - d. Press the Magazine Release and remove the Magazine.
 - e. Pull the Charging Handle to the rear and lock it open by pressing the bottom of the Bolt Release Lever. This will lock the Bolt in the open position.
 - f. Verify whether there is a cartridge in the chamber.
 - g. If a cartridge is in the chamber, manually remove it.
 - h. If the cartridge is stuck or you are unable to remove it, STORE THE FIREARM SAFELY UNTIL IT CAN BE INSPECTED BY A QUALIFIED GUNSMITH.
- III. Failure to fully seat a cartridge into the chamber.
 - a. Clean the firearm as prescribed in Chapter 6. Pay special attention to cleaning the Bolt Carrier Group, Chamber and the interior of the Upper Receiver.
- IV. Failure to feed a cartridge
 - a. Clean the firearm as prescribed in Chapter 6.
 - b. Check for a damaged Magazine and Magazine Follower and replace if required.

Notes:

Chapter 10: Sights and Sight Adjustment

- I. The Rattlesnake Tactical Rifle is ready for any aftermarket optic or iron sight, allowing you the option to customize these features to meet your needs. Follow the sight manufacturer's instruction for information concerning mounting and adjusting for your desired zero.

Chapter 11: Storage and Security

- I. Storage and Security of this firearm is your responsibility and should be taken very seriously.
- II. When not in use or in your direct control, the unloaded firearm is best secured in a locked safe or security cabinet only accessible by authorized persons. Ammunition is best stored in a separate, locked location.
- III. Other available security options such as cable and electronic locks are available but may be less secure. Keep this in mind when choosing your storage options.
- IV. If you are unable to place the gun under lock and key, you can easily remove the bolt group from the rifle and store it separately (Chapter 5).
- V. In the event of theft or loss of the firearm, immediately contact the authorities and report the event. Supply them with the serial number of the firearm(s) and be willing to share any names of possible suspects.

Notes:



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