

NEMESIS ARMS

Vanquish Owner's Manual

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INSTRUCTIONAL MANUAL
For

NEMESIS ARMS

VANQUISH
Multi-Caliber Rifle

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

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

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SECTION 1: CAUTION AND WARNING STATEMENTS

FIREARMS SAFETY – YOUR RESPONSIBILITY

Caution Statements: Do not operate any firearm without having a complete understanding of its individual characteristics and safe use. By not following the above instructions, may result in damage to the firearm and injury or death to the operator or bystanders.

Warning Statements: These are safety statements, that if ignored can cause severe injury or death. These statements address the operation as well as inspection, maintenance, and logistical support of the rifle system.

1. **GENERAL DISCLAIMER:** NEMESIS ARMS INC. will not be responsible for the injury, death or damage to property resulting from either intentional or accidental discharge of this firearm, or from its function, when used for purposes or subjected to treatment for which it was not designed. NEMESIS ARMS Inc. will not honor claims involving this firearm which resulted from careless or improper handling, unauthorized adjustment or parts replacement, corrosion, neglect, or the use of ammunition other than original high quality commercially manufactured ammunition in good condition, or any combination thereof.
2. **A RIFLE CARTRIDGE IS A HIGH PRESSURE CARTRIDGE.**
Carefully read this instruction manual, which gives basic advice on the proper handling and functioning of this rifle. Read this manual in its entirety prior to loading and firing the rifle. The safety of yourself and others relies on your safe handling and the ability to safely shoot this rifle. If you are unfamiliar with this firearm or any firearm, seek professional instruction from trainers at NRA certified firearms instructors.
2. **CAUTION: MISFIRE PROCEDURES:** As your manufacturer, we would like to bring to your attention something that is not widely discussed. The difference between a “Misfire” and a “Hang Fire” is defined as follows. Misfires occur on cartridges that chamber freely and DO NOT have a tight fit in the chamber. Misfires can occur because of light primer strikes, poor quality ammunition, primers seated too deeply in the primer pocket, damaged firing pin, etc. HANGFIRES are described below.

THE MISFIRE PROCEDURES TO FOLLOW ARE:

- **STEP AWAY FROM THE RIFLE AND DO NOT STAND BEHIND THE RIFLE!!
WAIT TWO (2) TO FIVE (5) MINUTES BEFORE MANIPULATING THE RIFLE**
- **FROM THE LEFT SIDE OF YOUR RIFLE, REACH OVER THE TOP OF THE RECIEVER AND SNAP THE BOLT OPEN WITH AUTHORITY. PULL THE BOLT TO THE REAR AND EJECT THE MISFIRED ROUND.**

WARNING!! HANG FIRE PROCEDURES: A HANG FIRE OCCURS WHEN A ROUND IS CHAMBERED THAT IS VERY TIGHT, YET YOU ARE ABLE TO LOCK THE BOLT DOWN. THIS HAPPENS WHEN IMPROPERLY LOADED OR BADLY RELOADED AMMUNITION IS USED. THIS INCORRECTLY SIZED AMMUNITION CAN CAUSE THE SEAR TO BIND, AND NOT ALLOW THE STRIKER TO MOVE FORWARD TO FIRE THE ROUND. YOU MUST NOT ATTEMPT TO OPEN THE BOLT WHEN A HANG FIRE OCCURS. THE RIFLE WILL FIRE WHEN THIS HAPPENS.

THE RESULT CAN BE FATAL!!

THE HANG FIRE CLEARING PROCEDURES ARE:

- STEP AWAY FROM THE RIFLE AND DO NOT STAND BEHIND THE RIFLE!!
- WAIT TWO (2) TO FIVE (5) MINUTES BEFORE MANIPULATING THE RIFLE.
- ONLY AFTER WAITING 2-5 MINUTES, TAKE A RUBBER OR HARD PLASTIC HAMMER AND HIT THE SIDE OF YOUR RECEIVER HARD IN THE TRIGGER AREA UNTIL THE RIFLE FIRES. AGAIN DO NOT OPEN THE BOLT UNDER ANY HANG FIRE CIRCUMSTANCES.
- AFTER THE RIFLE FIRES, DO NOT TRY TO CHAMBER ANY ROUNDS OF THE SAME TYPE UNTIL YOUR CASE OR SEATING PROBLEM ARE CORRECTED. CONTACT NEMESIS ARMS IMMEDIATELY.

CAUTION: LOCKING SHOULDER STOCK. Before firing your Vanquish rifle insure that the sliding shoulder stock is locked in place. There is a red line on the left side shoulder stock rod. This red line should be visible to the rear of the metal slider on the left side of the receiver. If you cannot see this red line, your stock is NOT locked in the correct position. **IF THE STOCK IS NOT CORRECTLY LOCKED IN PLACE, INJURY TO YOUR FACE CAN RESULT. YOU MAY BE STRUCK BETWEEN THE EYES BY THE OPTICAL SIGHTS.**

CAUTION: AMMUNITION.

ESSENTIAL SAFETY INSTRUCTIONS: These safety directions apply to this as well as all other firearms. They apply to everyday firearms handling. The Golden Rule is “DO NOT POINT YOUR FIREARM AT ANYTHING YOU ARE NOT WILLING TO DESTROY”. Know your firearm and its capabilities, AND YOUR LIMITATIONS.

- **Always treat every firearm as if it is loaded.** Never pass or receive a firearm from someone else before you physically inspect it to ensure it is clear of live ammunition. Physically inspect the chamber to ensure it is clear.

- **The rifle should be in the “SAFE”** position when there is a round in the chamber and you are not ready to fire the rifle. A good example of this is when you have loaded the rifle; you have a target, but are waiting for the right conditions to shoot.
- **Use Factory Match Grade Ammunition.** The Vanquish is a precision rifle and will function as designed with quality factory Match Grade ammunition. We do not recommend the use of any machine gun ammunition or like ammunition.
- **Control the muzzle of the firearm.** Keep it pointed in a safe direction when moving or repositioning the firearm. Open the bolt of the rifle when you step away from it and you are waiting to shoot. Remove the magazine as well. Leave the bolt open so that others may observe the safe condition of the rifle. With the bolt open, place the safety in the “SAFE” position.
- **The muzzle brake of the VANQUISH Rifle** vents gases to the sides and to the rear while firing. Ensure that the sides of the rifle are clear of debris and no one is standing within 6’ of the sides of the rifle.
- **The VANQUISH fires a projectile.** It is capable of extreme penetration at extreme ranges. **BE SURE THAT THE DIRECTION OF FIRE WILL NOT DAMAGE OR INJURE ANYONE OR ANYTHING.**
- **Ensure that the barrel is clear of any obstruction prior to firing.** Any obstruction in the barrel can cause the barrel to explode. This can cause serious injury or the loss of life of the shooter or anyone in close proximity to the incident. Dangerous blockages can occur in a barrel or in the muzzle brake when the firearm is dragged or dropped or used in mud, sand, snow, or in the water.
- Whenever possible, use another person, with a spotting scope to ensure that the downrange impact area is clear of people or property. The Vanquish rifle is capable of high precision to 1000 yards

SECTION 2: INTRODUCTION & SPECIFICATIONS

The VANQUISH is a bolt action, box-magazine fed rifle chambered for .243, .260. 6.5 cred, .308 & .338 fed Cartridges. The rifle operates by means of the hand manipulated bolt, assuring reliable and simple operation.

All maintenance aspects of this rifle can be done by the owner/operator. This includes the ability to change the barrel or replace the barrel without returning the rifle to the manufacturer. There are only two echelons of maintenance. These are owner/operator and factory level. The only maintenance operation that needs to be done at the factory is catastrophic failure investigations or replacement of major worn parts, such as trigger groups or the receiver.

The Vanquish rifle is capable of high precision to ranges beyond 900 yards. To appreciate the capability and precision of this fine system use long range shooting methods.

Rifle System Weights and Specifications:

- Rifle Weight: 12.3 lbs. without optics.
- Magazine feed X 5 round capacity.
- Barrel Length: 16 & 20 inches.
- Quick change barrels
- Barrel Type, 6 Lands & Groves, Rifling and Twist in:
 - .243, @ 1:9
 - .260, @ 1:8.5
 - 6.5 Creed, @ 1:8.5
 - .308, @ 1:10
 - .338, @ 1:10
- Length with stock collapsed: 36 inches
- Length with stock extended: 42 inches
- Trigger is set @ 2 lbs.

SECTION 3. OPERATOR MAINTENANCE INSTRUCTIONS.

CLEANING YOUR RIFLE

1. Here is a list of recommended cleaning materials for maintenance.

- Correct size Cleaning Rod, Brush and Patches.
- Powder Solvent such as.
- Copper remover such as “Barnes CR-10 Copper Bore Cleaning Solvent.”
- Standard copper bore brush, specified to caliber.
- Bore Guide
- Rifle grease such as “Purple Oil,” “Tetra Gun Grease,” “Gunzilla,” or “Molly D”
- Swabs or “Q-Tips.”
- Bore Jag made of brass.
- Bore patches for specified caliber. The military patches are excellent and cheap.
- Standard firearm cleaning brush or (tooth) brush and clean rags.

CAUTION: EXCEPTIONAL CARE MUST BE TAKEN TO ENSURE THAT THE “CROWN,” OR THE END OF THE BARREL, IS NOT IN ANY WAY DAMAGED DURING THE CLEANING PROCESS.

2. The VANQUISH rifle is unique in that the barrel can be removed for cleaning if desired. The use of a bore guide is recommended in either case to protect the throat of the bore. Erosion of the bore throat caused by bad alignment of the cleaning rod will severely affect the accuracy of the rifle
- REMOVE AND CLEAN THE MUZZLE BRAKE. Remove the muzzle brake counter-clockwise by hand. Clean the brake by either scrubbing the brake out with a plastic chamber brush or by soaking it in cleaning solvent and thus scrubbing it out with a chamber

brush or toothbrush. The muzzle brake is reinstalled after cleaning by hand threading it on the barrel until it is hand tight. This is all the tension that is required.



- **CLEANING THE BARREL** Remove the magazine from the rifle. Open the bolt, inspect the chamber for a live cartridge, and remove the bolt from the rifle. Insert a bore guide into the barrel. ALWAYS CLEAN FROM THE CHAMBER END OF THE BARREL
- Prepare a cleaning rod with a bore brush attached. Soak the brush with powder solvent. Now push the rod through the bore. Use a Plastic or Copper bore brush, as it will not harm the rifle's bore.

CAUTION: DO NOT ALLOW ANY SOLVENT TO LEAK INTO THE RIFLE'S TRIGGER GROUP, AS IT WILL PROMOTE RUST.

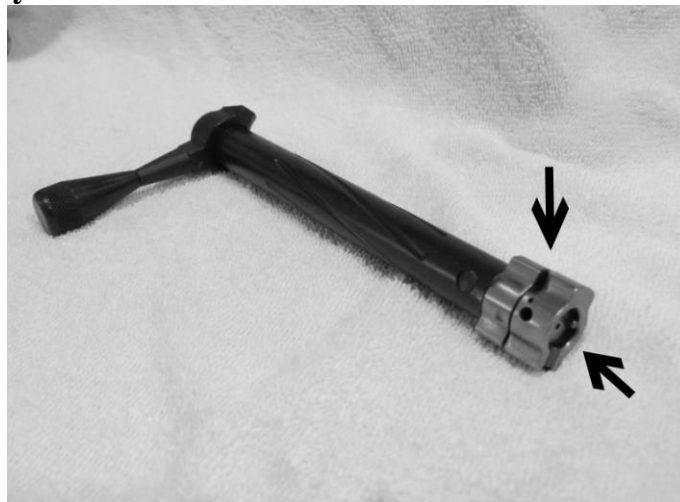
1. **CLEAN THE CHAMBER.** Clean the chamber using a chamber brush, and powder solvent. When a proper chamber brush is not available, a baby bottlebrush makes a good substitute. Dry the chamber using swabs or with patches wrapped around a CLEAN chamber brush. Thoroughly dry the chamber prior to shooting the rifle.



- General cleaning of the receiver consists of dusting off the outside of the receiver, cleaning the barrel threads with a toothbrush and wiping out the bolt pathway with a toothbrush or piece of rag. Recoat the inside of the receiver with a light coat of oil/CLP. To clean the trigger remove the pistol grip and magazine guide plate. This exposes the bottom of the trigger group itself.

2. **GENERAL CLEANING OF THE BOLT.** General cleaning of the bolt consists of:

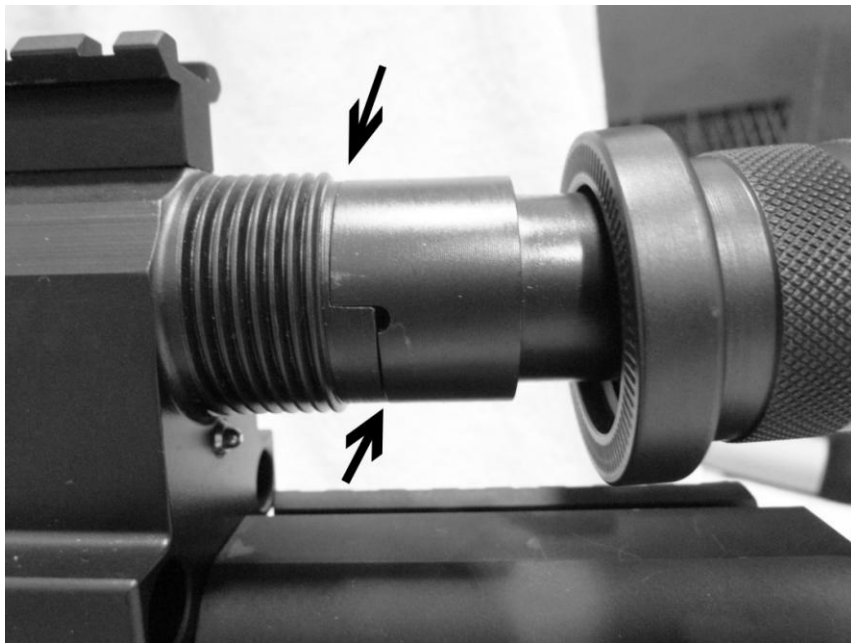
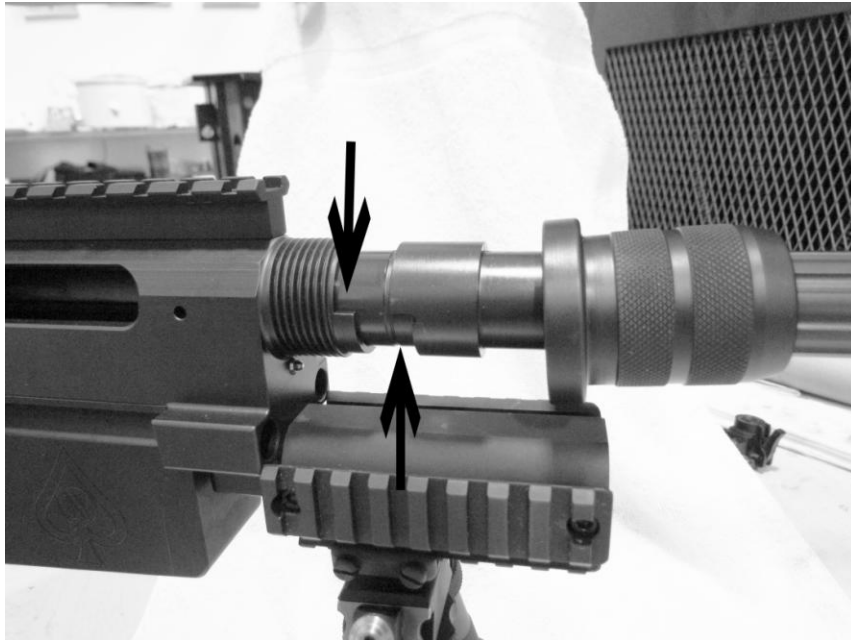
- Normal cleaning of the bolt is done by scrubbing the **Bolt Locking Lugs** and **Bolt Body** with a toothbrush and powder solvent. High pressure grease should be applied to the rear of the **Bolt Locking Lugs** and the contact surfaces of the rear **Unlocking Cam** at the rear of the **Bolt Body**.



SECTION 4: SETUP AND OPERATING INSTRUCTIONS

INITIAL ASSEMBLY AND SETUP: No tools are needed to assemble the rifle.

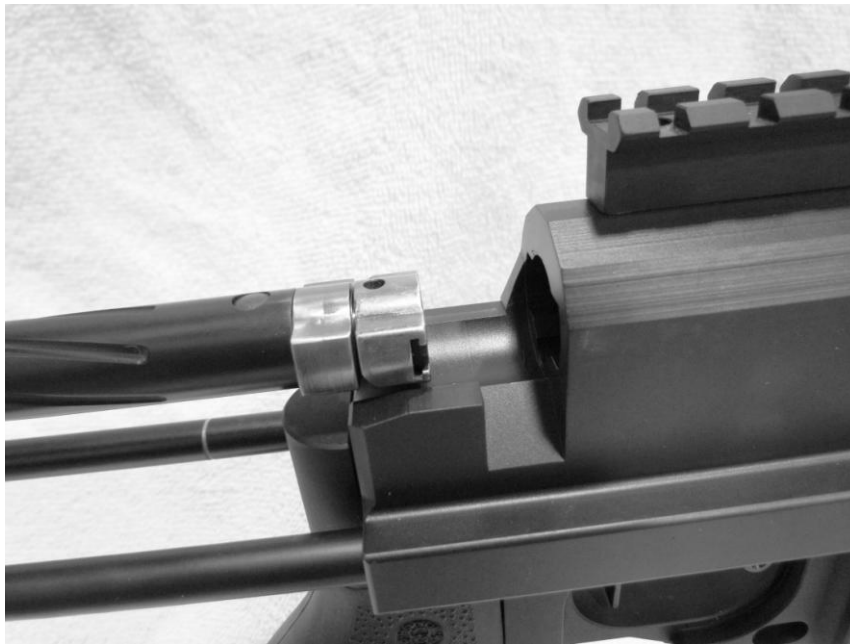
- Remove the receiver group from the case. Squeeze the bipod legs and pull forward to open position. Turn the top knob to secure the bipod position.
- Remove the barrel from the case. Grasp the barrel nut and slide it toward the muzzle to expose the “Chamber End of the Barrel.” Carefully insert the shank into the front of the receiver. Rotate the barrel so that the 90 degree offsets lock into place. The barrel should not rotate at this point.



- Slide the barrel nut against the threads and spin the nut onto the threaded portion of the receiver. Firmly tighten the Barrel Nut without using excessive force. To check if properly seated: pull on barrel (as if trying to pull the barrel out of the receiver). If there is no movement, the barrel has been tightened correctly. If there is movement or a clicking sound, the barrel is “NOT Tight” DO NOT FIRE THE RIFLE. Continue to tighten the barrel nut until movement stops or remove the barrel and start again.

WARNING: IT IS CRITICAL THAT THE BARREL NUT BE FULLY TIGHTENED BEFORE FIRING. IF THE BARREL IS NOT TIGHTENED CORRECTLY, DAMAGE OR INJURY MAY OCCUR.

- The Stock has two red lines. The first extension out is 13.5 inches (the standard length of pull) from trigger to butt stock. The second red line is 14.75 inches.
- Remove the bolt from the case. Insure that the bolt guide, the part directly to the rear of the locking lugs, is correctly positioned on the bolt. **ENSURE THE RIFLE IS ON SAFE** and Insert the bolt into the receiver. Lock the bolt down and leave the safety in the “Safe” position.



- **CHAMBERING A CARTRIDGE.** Lift the bolt handle up and pull it back to the stop. Then push the bolt forward to stop and then down to locked position.
- Push the safety lever forward to the **FIRE** position. Grasp the pistol grip and press the trigger until the rifle fires. This occurs at about 2 lbs. of pressure on the trigger.
- To reload another live cartridge after firing, grasp the bolt handle and aggressively rotate the bolt **UP** to unlock the bolt. Pull the bolt to the rear to eject the spent cartridge.

Once the bolt touches the bolt stop, you may again push the bolt forward to load another round

- **CLEARING THE RIFLE.** Clearing the rifle is done to make the rifle completely safe. This may be when walking away from the rifle, prior to casing the rifle, prior to cleaning the rifle, or for any other reason needed to make the gun totally safe.
1. **1st step. REMOVE THE MAGAZINE.** It is good practice with ANY magazine fed rifle to make this the first step in clearing the firearm.
 2. Open the bolt to either remove the fired brass OR to physically inspect the chamber for live ammunition. **YOU NEED TO PHYSICALLY CHECK THE CHAMBER BY BOTH LOOKING INTO THE CHAMBER AND BY STICKING YOU INDEX FINGER INTO THE CHAMBER EVERY TIME.**
 3. Place the rifle on **SAFE** and close the bolt if you are casing the rifle. Leave the bolt open if you are on a range or around other shooters. This shows the other shooters that your rifle is in a safe condition

- **Additional Cautions**

1. **Never** force ammunition into the chamber. If it does not feed smooth there is a malfunction. Check, Clear and CLEAN.
2. **Never** stand behind the rifle when clearing a misfire or hang fire (stand to the side of the rifle). **Standing behind the rifle could result in serious injury or death.**
3. **Never** use ammunition other than QUALITY match grade ammunition. Using machine gun ammunition or other low grade munitions will jam and likely not cycle.
4. **Never** modify or change the rifle or firing mechanism. **This could cause serious injury or death.**