



NEED

NEW EVOLUTION MILITARY ORDNANCE

[OWNER'S MANUAL]
Revised 2020



Warning: This product can expose you to lead, a chemical which is known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information, visit www.P65warnings.-ca.gov.

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WARNING

SAFETY GUIDELINES

Please read and understand this manual before attempting to handle or use your firearm. Take a firearms safety course to ensure firearm safety and knowledge. Local, state and federal Law Enforcement and Fish and Game departments provide excellent courses on firearm safety.

Always handle your firearm as if it were loaded.

Never point your rifle at anything you do not intend to shoot.

Do not handle firearms while impaired under the influence of alcohol or drugs.

Never leave a loaded firearm unattended.

Be sure firearm is unloaded and the bolt is open before handing it to someone.

Before starting an inspection, be sure to clear the rifle. Do not pull the trigger until the rifle has been cleared. Inspect the chamber to ensure that it is empty, and no ammunition is in position to be chambered.

Do not keep live ammunition near work area.

Only use ammunition designed for your firearm. Failure to use the proper caliber ammunition will cause damage to your firearm and may result in injury or death.

Only use quality commercial ammunition that is in good condition. Using corrosive, lacquer coated, damaged, hand loaded, steel or aluminum cased ammunition will void the warranty and if used, may cause personal injury or death. Since reloading practices are beyond our control, we disclaim all liability for damage or injury that may result.

When shooting your firearm, know your target and what is beyond.

Use eye and ear protection when shooting your firearm.

Never alter or modify your firearm. Do not disassemble your firearm beyond this manual.

Only a qualified gunsmith should service, repair or modify your firearm in any way.

Obey all local, state and federal laws in regards to discharging, handling, storage, security and transportation of your firearm.

Cleaning, discharging, handling of your firearm and ammunition may result in exposure to toxic and hazardous substances. Wash hands thoroughly after exposure. Read all warnings on ammunition, cleaning and lubrication products.

To avoid injury to your eyes, use care when removing and installing spring-loaded parts, cleaning, lubricating and handling of your firearm.

Never allow another person(s) to handle, shoot, clean and lubricate or use your firearm if they do not understand or have not read the safety guidelines of this manual.

Do not rely on the firearm's safety mechanism. It is only to be used as a supplement to safe firearm handling procedures.

Do not touch the trigger or trigger guard unless you are ready to fire.

The bolt must be completely closed in full battery when firing your weapon. Failure to have the bolt closed will cause a catastrophic failure that will result in injury or death.

DO NOT interchange any parts, especially bolt assemblies from one OMEN rifle/carbine to another. Doing so may result in injury or death.

Bolt cam pin must be installed, or rifle/carbine will blow up while firing. If the bolt cam pin is not installed, injury or death may result.

If there is water or an obstruction in the barrel, including the chamber and barrel extension, do not fire. The gun may explode and cause damage to firearm and personal injury or death.

Do not drop your firearm, it may discharge. A dropped firearm must be inspected by a qualified gunsmith to ensure firearm is undamaged and safe to operate.

There is no safety substitute for common sense. You, the owner, are the most important safety device when it comes to the use of your NEMO Arms, Inc. firearm. The safe use of your firearm is your personal responsibility. Failure to follow these basic guidelines may result in property damage, injury or death.

Clean and inspect your firearm regularly. Failure to clean and inspect your firearm regularly will void your warranty, and if discharged may cause property damage, injury or death.

If you notice a difference in sound or recoil from your firearm, stop firing. There may be a bullet lodged in the barrel, ammunition malfunction, overheated barrel or firearm, or could indicate any number of problems. Point firearm in safe direction. Wait 15 minutes for rifle to cool. After 15 minutes, unload rifle and clear chamber. Check bore for unburned gunpowder, brass or lodged bullet.

Bullet, brass, primer, foreign object and unburned gunpowder must be removed before re-chambering another round and firing. Failure to clear foreign objects and re-chambering another round on top of any debris, may cause a catastrophic failure causing damage to your firearm, injury or death. Take firearm to a qualified gunsmith for assistance of bullet stuck in barrel or debris that cannot be removed for removal and inspection.

Extended, continuous, or rapid firing will raise barrel to unsafe temperature. At this temperature, any live ammunition in chamber may detonate without pulling trigger. The heat from the barrel alone may cause ammunition to detonate. Allow adequate time for firearm to cool to prevent an overheated barrel. Allow barrel to cool to ambient air temperature.

Do not exceed 10-12 rounds per minute to prevent an overheated barrel, reduced barrel life, and/or voiding your warranty.

You must check your ammunition prior to using your OMEN. It must be within SAAMI specifications for size and pressure.

Blown and pierced primers will damage bolt and firing pin. A pierced primer will cause firing pin to continue to pierce primers and may cause a catastrophic failure to your rifle and serious injury or death. Your firing pin must be changed out immediately upon piercing primers.

The firing pin spring, see picture on page 10, must be installed. Failure to install the firing pin spring after cleaning may cause accidental discharge or out of battery discharge, resulting in injury or death.

Under no circumstances will NEMO Arms, Inc. nor any affiliated suppliers be responsible for any property damage, injury or death that results from:

- Failure to read and understand owner's manual.
- Disregarding the safety guidelines and warnings in this manual.
- The criminal or negligent use of the firearm.
- Alterations, improper or negligent modifications to the firearm.
- The use of non-standard, defective, improper or reloaded ammunition.
- Failure to clean and keep firearm in good working order.

This manual must accompany this firearm and be transferred with it upon change of ownership or when presented to another person.

Limited Lifetime Warranty

NEMO Arms, Inc offers a limited lifetime warranty on all firearms, parts or products to be free from defects in materials and craftsmanship to the initial purchaser. NEMO Arms, Inc. will remedy any such defect of which NEMO Arms, Inc. is given notice. The liability of NEMO Arms, Inc. under this warranty shall be limited solely to the obligation to repair or replace the firearm, part or product or defect at its discretion. This warranty is non-transferable. Any modification of a NEMO Arms, Inc. firearm, part or product will void the warranty. This warranty does not include normal wear, or any damage resulting from careless handling, neglect, unauthorized repairs or adjustments, corrosion or improper or reloaded ammunition or failure to perform normal maintenance.

Warranty claims may be initiated by going to our website, www.nemoarms.com, click on the support tab, select the repair request form and fill that in with as much detail as possible. If you feel there are additional questions, contact us at repairs@nemoarms.com

The owner of the firearm, parts or product is responsible for shipping and insurance coverage to NEMO Arms, Inc for all related claims. NEMO Arms, Inc. will pay shipping and insurance charges for the return of a firearm, parts or product to its owner if the related claim is a proper claim for warranty work. NEMO Arms, Inc. is not responsible for loss or damage in transit. Under no circumstances shall NEMO Arms, Inc. be held responsible for incidental or consequential damages with respect to economic loss or injury to property, whether as a result of express or implied warranty, negligence or otherwise.

Warranty/Registration Information

Thank you for your purchase of a NEMO Arms firearm. Please register your firearm with NEMO Arms, Inc by mailing in the last page of this manual filled out with a copy of the proof of purchase/ sales receipt. This will ease the process of warranty claims if the firearm is damaged, stolen or returned to NEMO Arms, Inc.

Ammunition

NEMO firearms are optimized to use quality ammunition. Semi-automatic rifles perform differently than bolt action rifles and react differently based on a variety of factors including projectile weight, projectile velocity, powder type, and suppressor use. The cycling action of the bolt carrier group is dependent upon the amount of gas pressure and volume flowing through the gas tube to the bolt carrier. Differences in ammunition and suppressors vary that flow. High velocity ammunition loaded with a light projectile will cycle the action differently than a slower, heavier projectile. The OMEN model line performs best using ammunition loaded with a heavy projectile (i.e. typically ammunition loaded with 180 grain projectile or heavier). It is not recommended to use ammunition with advertised muzzle velocity of over 3000 feet per second in the OMEN rifle. Do not use ammunition that exceeds maximum chamber pressure recommended by SAAMI (Sporting Arms and Ammunition Manufacturers' Institute). You must check your chamber dimensions before loading ammunition beyond SAAMI length. There are many different manufacturers of ammunition. Again, different ammunition, bullet weights and powder combinations will cause varying degrees of accuracy and performance of the firearm.

Immediately discontinue use of ammunition that shows excessive pressure signs such as flattened primers, blown primers, pierced primers, excessive ejector marks or excessive extractor marks.

****Some ejector marks and extractor marks are due to the semi - automatic design of the AR platform****

Only use quality, commercially loaded ammunition that is in good condition. Using corrosive, over-pressured, damaged, steel or aluminum-cased ammunition will void the warranty and if used, may cause personal injury or death.

Recommended ammunition for Large & Magnum Frame AR's:

.308 Win: Federal Gold Medal Match 168 grain.

Only use quality, commercially loaded ammunition that is in good condition. Using corrosive, over-pressured, damaged, steel or aluminum-cased ammunition will void the warranty and if used, may cause personal injury or death.

Recommended ammunition for Large & Magnum Frame AR's:

.308 Win: Federal Gold Medal Match 168 grain.

.300 Win Mag: Federal Gold Medal Match 190 grain.

6.5 Creedmoor: Hornady 147 grain ELD Match or 140 grain ELD Match.

There are many choices for Hunting Ammo. Be aware of how the ammo is functioning in your weapon as stated above. Adjusting your gas block to a different setting may be required for different ammunition types.

Suppressors

Installing a suppressor on a semi-automatic rifle changes the cycling dynamics. In general, a suppressor delays the rate at which the bore pressure can decay resulting in an overgassed rifle. Bolt speeds are increased and wear and tear on the rifle is increased dramatically. In order to mitigate this effect, the XO and OMEN model lines have adjustable gas blocks designed restrict gas flow to the bolt carrier group whenever a suppressor is used. However, even with these mechanisms in place, using a suppressor increases the amount of carbon fouling entering the action and increases required cleaning and lubrication. On the OMEN model line, it is recommended to use the suppressor with the largest amount of volume as practical. Typically these are .338 Lapua Magnum rated suppressors. Many suppressors are rated for .300 Win Mag but create so much back pressure that even with the gas block adjusted into the most restrictive position, it cannot delay the cycling of the action long enough for the bore pressure to drop. Typical signs of this scenario are increased recoil, extracted brass damage, ejector swipe, and more severely, blown or dropped primers. In order to alleviate these problems, the adjustable gas block will help but it cannot solve the multitude of issues surrounding suppressor and ammunition choice, therefore, a different suppressor or ammunition may need to be used.

Personal Protection Equipment

Always wear eye and ear protection when using any firearm. Wearing ear protection that advertises attenuating the sound by at least 30 decibels is recommended. Repeated exposure to the loud noise that firearms produce may cause permanent hearing loss.

Quality shooting glasses protect you from spent shell casings, burned and unburned powder and gases.

Operating your Firearm

Be sure to familiarize yourself with the firearm and know how to clear the firearm before operation. Always check to see if there are obstructions in the barrel before firing.

Your firearm has been protected with a CLP, that is designed to protect the rifle for long term storage, it is important to clean your rifle and ensure that it is properly lubricated before operating for the first time.

Prior to firing the rifle for the first time, clean the rifle bore and chamber and refer to barrel break-in procedures.

Excessive and repeated firing will cause premature wear and degradation of the rifle. Do not exceed 10-12 rounds per minute. Beware of a hot barrel or muzzle after shooting rapid fire or extended shooting.

1. Always keep muzzle pointed in a safe direction
2. Maintain safety selector on safe position until ready to fire.
3. Ensure there are no obstructions in barrel or chamber

4. Load magazine with new, quality ammunition. Ensure caliber matches the rifle. Place cartridge on top of magazine and depress straight down. There will be a positive click. Do not attempt to slide cartridges in. Load the desired number of cartridges. Do not try to overload the magazine.
5. Ensure cartridges are seated at the back of the magazines by tapping the back of the mag.
6. Insert magazine into rifle. Fully seat magazine by tapping the bottom. Pull down on magazine to ensure magazine is captured by the magazine catch. (A magazine can be inserted with or without the bolt open)
7. To chamber a round, pull back charging handle completely to the rear and let it go. Do not "ride" the charging handle. Any attempt to help or slow down the loading will result in the rifle jamming.
8. If the bolt is open, you can pull back on the charging handle to release the bolt or depress the bolt catch to release the bolt.
9. To fire the rifle, ensure cheek is firmly on buttstock, and buttstock is firmly on your shoulder, switch safety selector from "SAFE" to "FIRE".
10. Squeeze trigger to fire.
 - A. (OMEN Model only) Ensure fingers/hand is clear of the charging handle. Charging handle reciprocates with every shot. Injury or rifle malfunction may occur if obstructed.
 - B. OMEN and XO Models come equipped with 2 stage triggers. This means that when squeezing the trigger, the trigger will come to a slight stop, squeezing the trigger beyond this point will release the hammer and fire the rifle. This trigger is designed for safety and accuracy.
11. Rifle will automatically chamber another round. The bolt will lock back after the last cartridge in the magazine.
12. To release and remove the magazine, place safety selector on "SAFE", press the magazine release button.
13. If your rifle experiences a jam, place rifle on "SAFE". Remove magazine. Pull back charging handle and lock back with bolt catch. Clear rifle by removing cartridge. Replace magazine and re-charge rifle.

Maintenance and Care

Your rifle has been lubricated with CLP (cleaner/lubricant/preservative) from the factory. It is important that you clean and lubricate your rifle before firing for the first time.

A clean rifle will function much better than a dirty rifle. Having a clean, lubricated rifle will alleviate a lot of potential functioning problems. Applying excessive lubrication traps dirt and debris at a faster rate. If you are using your rifle in sub-freezing weather, use a CLP that is rated for winter/arctic use.

Dents on the brass after firing is due to the ejection process and is normal.

NEMO Arms Inc offers the highest quality surface finishes. No matter how durable the finish, some staining and wear will occur on the bolt carrier group, anodized and painted surfaces and on polymers. Metal to metal contact will cause wear, some surfaces faster than others. Other damage may occur during normal use (falling or dropping the rifle while hunting, etc.)

Never use abrasives or metal/wire brushes or harsh chemicals on aluminum components and finishes. Use a soft cloth, or soft nylon brush to clean aluminum components and aluminum finishes.

NEMO Arms, Inc. fit and function checks and inspects each rifle. NEMO cannot guarantee fit or function with any other manufacturer's components.

Never use solvents, metal/wire brushes or harsh chemicals on plastic/polymers. They will scratch or soften the material.

Barrel Break-In and Cleaning Procedures

Using these break-in procedures, you can ensure that your barrel will be easier to clean in the future and that you will achieve maximum accuracy.

COPPER FOULING: Caused by bullet jacket material left in the barrel.

POWDER FOULING: Caused by burned and unburned powder left in the barrel.

During the first few rounds, a lot of copper fouling will be left in the barrel. It is important to remove this fouling completely after each shot to help prevent a build-up later. Powder fouling is ongoing but is easy to remove. Do not use moly coated bullets during break-in procedure.

Barrel Break-In for Large and Magnum Frame AR's

Cleaning items needed: brush, action rod guide, carbon removing solvent/gun cleaner, non-abrasive copper removal solvent and CLP (cleaner/lubricant/preservative).

Use only quality, factory ammunition. Do not use lacquer coated ammunition.

1. Clean barrel with patches saturated in gun cleaner removing any factory CLP.
2. Fire one shot.
3. Field strip firearm.
4. Saturate patches with a copper removing solvent, push patches one at a time through the barrel with a cleaning rod, until copper fouling is removed. The copper fouling will be heavy for a few rounds and then taper off quickly. (Do not use a bronze/copper cleaning tip, as this will give false cleaning indications, only use a steel or carbon/poly cleaning rod and jag) Do not let copper solvent stand in barrel more than 10 minutes.
5. Push a patch saturated in gun cleaner to remove any remaining copper remover solvent from the barrel
6. Run a few dry patches through the barrel, to ensure a dry bore.
7. Repeat steps 2-6 for the first 5-10 rounds.
8. Begin to repeat steps 3-6 with 5-10 shot intervals, until barrel breaks in completely.

Signs of a completely broken-in barrel are increase in accuracy groupings and copper fouling build up is minimal. Barrel break-in times vary but typically break-in within approximately 100 rounds.

Routine Barrel Cleaning

For routine barrel cleaning, clean the barrel using a carbon cleaner solvent or CLP only. Use a clean patch and soak it with the solvent/CLP and soak the barrel. Use a bronze or poly brush and stroke the barrel 5-8 times. Do not use a stainless-steel brush in your barrel at any time.

Push a clean patch through. Push a CLP soaked patch through the barrel. Repeat cleaning if patch is fouled. After cleaning the barrel, run a CLP patch through the barrel for storage. Run a dry patch through barrel prior to shooting.

After break-in and between routine cleanings if you notice your accuracy degrades, complete steps 4-6 of the barrel break-in procedure for the copper fouling removal procedure.

Use of an abrasive cleaner is not recommended.

Shooters using moly or coated bullets need to clean their barrels every 25 rounds.

Using the correct equipment to clean your barrel is important. An action rod guide will keep your rod straight in the barrel and keeps your rifle from getting uneven wear and damaging the rifling.

Use a quality coated cleaning rod as well. The coating on the rod will prevent damages to your barrel.

Be sure to use a CLP on your barrel when storing it. Run a dry patch through before shooting. Store your rifle in a cool, dry place to prevent rusting or corrosion.

Field Stripping and Cleaning your Bolt Carrier Group

****OMEN and XO models come equipped with a NEMO Arms, Inc. patented bolt carrier. This bolt carrier group looks very different than any other type of bolt carriers. It is important that you do not make any alterations, as this will void your warranty and can cause severe damage to your rifle.**

1. Ensure your rifle is unloaded and the chamber is clear.
2. Depress the front pivot pin and rear takedown pin. Pull out pivot pin and takedown pins until they stop.
3. With the upper receiver assembly removed from the lower receiver assembly, remove the bolt carrier group and charging handle.
4. Remove the firing pin retaining pin.
5. Pull the firing pin straight back.
6. While holding the firing pin back, pull bolt out slightly and line up cam pin so that it can be removed. It must be able to clear the gas key.
7. Remove the cam pin. Cam pin must be perfectly aligned in slot for removal.
8. Pull the bolt out from the bolt carrier and remove firing pin from either the top or bottom of the carrier.
9. Clean carbon from firing pin and spring. After cleaning, lightly lubricate spring and firing pin with CLP. ****This firing pin is not interchangeable with any rifle. DO NOT interchange firing pins with other rifles.**
10. The firing pin spring is conical. The small spring end goes on first, trapping the spring on the firing pin. **DO NOT REMOVE THE SPRING!!**
11. Remove the extractor from the bolt. Depress the rear of the extractor, push the extractor pin out.



****Warning**** The firing pin spring must be installed! Failure to install the firing pin spring may cause accidental discharge, or out of battery discharge.



**Standard AR-15 Bolt carrier group.
Normal cleaning required.**

»Do not disassemble the rear of the bolt carrier.



Omen, XO, Bolt Carrier group.

»Do not remove the gas key.



Executive Order, XO, Bolt Carrier group

Clean all the parts using a solvent. Remove carbon build up, debris, dirt, brass and lubricant using cotton swabs and nylon brushes.

Pieces of brass or primers in the bolt or fire control group can cause malfunction or build up on the firing pin causing weapon malfunction, slam fire, or automatic fire.

Inspect bolt carrier group parts for damage: extractor claw, firing pin tip, bolt lugs, cam pin and gas key for cracks. Note that shiny spots or other wear marks are normal.

Reassemble the bolt carrier group by reversing the order of disassembly. Be patient and do not force parts together or bend them to assemble.

Your bolt carrier group is now completely field stripped.

Lubricate the bolt carrier group before reassembling the upper receiver. Lubrication points on the bolt carrier are as follows; cam pin slot, the four running points on the bottom of the carrier, and the top of the carrier on the sides of the gas key.

Upper Receiver Cleaning Procedure

1. Ensure your rifle is unloaded and the chamber is clear.
2. Depress the front pivot pin and rear takedown pin. Separate the upper receiver from the lower receiver.
3. Remove the bolt carrier group and charging handle from the upper receiver.
4. Clean the internal part of the upper receiver and barrel extension using a mild solvent. Remove carbon build up, debris, dirt, brass and lubricant using cotton swabs and nylon brushes. Lightly lubricate the upper receiver and barrel extension, leaving a light film. Clean the barrel and chamber after cleaning the upper receiver.
5. Install the cleaned bolt carrier group and charging handle.

Lower Receiver Cleaning Procedure

1. Ensure your rifle is unloaded and the chamber is clear.
2. Depress the front pivot pin and rear takedown pin. Separate the upper receiver from the lower receiver.
3. Depress buffer retaining pin to release buffer and spring, inspect buffer and spring for any abnormal wear, wipe down with cleaning cloth and lubricate spring as needed.
4. Remove residual oil and dirt from the trigger group. Use compressed air to blow off the trigger group and then flush liberally with a light lubricants CLP or equivalent. Blow off excess lubricant with compressed air and lubricate the following:
 - Each side of the disconnecter above the trigger pin;
 - Hammer and trigger sears;
 - Face of the disconnecter;
 - Hammer tail where it contacts the disconnecter;
 - Top of each side of the hammer spring where the spring contacts the receiver wall.

OMEN Adjustable Gas Block

Your OMEN rifle is equipped with an adjustable gas block so that your rifle will run with a variety of ammunition and/or suppressed. The rifle will perform best when using the smallest gas port possible while still allowing the action to lock back after the last round is fired. If you are using high power ammunition or if you are using a suppressor, it may be necessary to adjust your gas port to alleviate function or cycling issues.

The adjustable gas block has four settings, from fully opened to nearly completely shut off. The triangle at the top of the gas block is the indicator for the positions of the adjustments.

To make an adjustment, the adjustment knob on the front of the gas block is depressed towards the rear of the rifle. While depressed, rotate adjustment knob in either direction until you reached the desired setting. The adjustment knob is spring loaded and the adjustment stops will have a positive location.

You can use your side charging handle in the slots at the front of the knob to turn the knob or use a 9/16" wrench to turn the knob if needed. Be sure to depress the knob before turning.

The adjustment stops are indicated with a dot or series of dots on the adjustment knob to show which position the knob is in. Four dots indicate that the gas port is open fully. The gas port does not close completely off.



••• Fully open, unrestricted gas port. Use this setting unsuppressed with most types of ammunition.



•• Gas port restricted by 20%. Use this setting unsuppressed and when fully open position is creating over gassed, high recoil situation. This setting is used whenever possible in order to reduce bolt speeds and recoil, typically used whenever a heavier projectile is being fired.



• Gas port restricted by 45%. Use this setting when using most large volume suppressors.



• Gas port restricted by 55%. Use this setting with a suppressor whenever possible. This will help reduce bolt speeds and recoil.

Having your setting on one or two dots should only be used if using a sound suppressor. The adjustable gas block does not have a setting to completely shut the gas off.

It is necessary to maintain your adjustable gas block to keep it in good working order. The best way to keep functioning is to be sure rotate the adjuster knob after a shooting session. To clean your adjustable gas block, follow these procedures:

1. Ensure your rifle is unloaded and the chamber is clear, and the rifle barrel and gas block are cool to the touch.
2. Push in the adjustment cap and rotate it through all of the stops four times. You can use your fingers, a 9/16 open ended wrench or the side charging handle to rotate the knob. You must push in the knob to rotate.
3. Add a few drops of CLP into the two holes on the top front of the gas block and the two holes on the side front of the gas block.
4. Push in the adjustment cap and rotate it through all of the stops approximately 4-5 times, ensuring the holes are saturated with CLP.
5. Use compressed air to blow out the holes where you added the CLP. Blow out all carbon and CLP.

Do not disassemble the gas block to clean the internal components.



XO Two-Position Gas Block

Your Executive Order model rifle is equipped with a two-position switch block, allowing for quick and easy adjustability between shooting suppressed and unsuppressed. The gas block is laser etched with an identification arrow and the wording “suppressed” and “unsuppressed”.

- **Do not attempt to fire your rifle suppressed on the unsuppressed setting, as this can cause severe damage to your rifle.**
- **Do not attempt to disassemble your gas block.**

The best way to keep your gas block functioning and prevent carbon build up, is to be sure rotate the adjuster knob after a shooting session. To clean your two-position gas block, follow these procedures:

1. Ensure your rifle is unloaded and the chamber is clear, and the rifle barrel and gas block are cool to the touch.
2. Push in the adjuster and rotate it back and forth until it rotates freely. Add a few drops of CLP into the two holes on the top of the gas block.
3. Use compressed air to blow out the holes where you added the CLP. Blow out all carbon and CLP.



Shooting Suppressed



Shooting Unsuppressed

Service/Replacement Parts

Your rifle has parts and components that will wear and will need replacement, this is normal. These parts have a service life and will need to be replaced to keep your rifle in safe, optimum operational order. Parts will wear faster under heavy use or use under unusual conditions and may need to be replaced sooner than when used under normal conditions. If you are unsure how to replace a maintenance item, have the parts replaced by a qualified armorer or gunsmith.

For service or replacement parts, please visit our website at www.nemoarms.com or call us at (208) 461-1213 or e-mail us at info@nemoarms.com

OPERATION UNDER UNUSUAL CONDITIONS

NOTE: Unusual conditions are defined as any climate condition requiring special maintenance of the weapon

Operating your firearm under these conditions can increase the likelihood of malfunctions and/or cause excess wear on components, compared to normal operating conditions. Resulting in a potential need to maintain and clean your firearm more frequently

It is recommended that precautions are taken with less than desirable conditions to negate potential malfunctions and/or excess wear.

For climates with hot, arid or dusty conditions; lightly apply lubrication to internals, so not to cause a buildup of lubrication and dirt. Do not lubricate external parts of the rifle. Doing so will only collect dirt particles, making the firearm more difficult to keep clean. Do not lubricate internal components of the magazines.

- Using additional equipment - i.e., protective caps and spare magazine protective bags and overall rifle protective cover will help minimize dust and sand from getting into the rifle. Use these items as the situation warrants.

For climates with damp, humid, or moist conditions; Always keep the rifle dry. Using a protective cap will help keep water out of the barrel. Always drain/remove any water, snow or ice from the barrel before firing. Dry the bore with a patch and cleaning rod. Moisture will cause steel or iron parts to rust, corrode and/or seize. Proper lubrication and inspection are necessary for all parts in damp, wet, snowy, icy or moist conditions to prevent corrosion. Dry rifle/components off with cloth and re-lubricate with CLP, as needed.

ALTERATIONS AND MODIFICATIONS WARNING

Altering or modifying, exchanging/swapping of any original NEMO Arms Inc. firearm parts with inexact parts of any kind is dangerous. NEMO Arms Inc. firearms consist of extremely complex parts that are precisely engineered & assembled in order for proper and safe operation. All NEMO Arms Inc. firearm parts must relate correctly and accurately. Assembling and/or putting together parts of the firearm incorrectly or using incorrect or modified parts may result in damages to the firearm, serious personal injury or death to the operator or bystanders. Even the same model of NEMO Arms Inc. firearm may have newer updated designed parts and components that are not compatible with the same NEMO Arms Inc. older model firearm. Swapping parts from different or the same models may cause damages to the firearm and/or serious personal injury or death to the operator or bystanders. If at any time a person is confused with firearm re-assembly after normal cleaning maintenance procedures or part replacement, do not fire the firearm. Take the firearm to a qualified gunsmith. Have the gunsmith contact NEMO Arms Inc. for instruction on proper parts/firearm assembly. You may also ship your firearm to the NEMO Arms Inc. factory to inspect and assemble your rifle.

Modification, alterations, incorrect assembly, incorrect part usage or use of modified or altered parts in any NEMO Arms Inc. firearm, parts or product will void the warranty. The warranty does not cover normal wear, any damage resulting from careless handling, neglect, unauthorized or incorrect parts and repairs or adjustments, corrosion or improper or reloaded ammunition, high-pressure or high-velocity ammunition or failure to perform normal maintenance.

OMEN REPLACEMENT PARTS

For any replacement parts or to add accessories to your rifle, please contact us at (208)-461-1213 or check our website NEMOARMS.COM to purchase components compatible to your rifle. You may also email: info@nemoarms.com for any questions you may have regarding your firearm. **WARNING:** Each firearm is unique, and even the same model NEMO Arms Inc. firearm may have newer designed parts that are not compatible with other older or newer models. If at any time a person is confused on procedures or part replacement, please **DO NOT** fire the firearm. Take the firearm to a qualified gunsmith. Have the gunsmith contact NEMO Arms Inc. for instruction on proper parts/firearm assembly. You may also ship your firearm to the NEMO Arms Inc. factory to inspect and assemble your rifle

AMMUNITION

ONLY use quality commercial ammunition that is in good condition. Using corrosive, lacquer coated, damaged, hand loaded, steel or aluminum cased ammunition **will void the warranty** and, if used, **may cause personal injury or death**.

Since reloading practices are beyond our control, we disclaim any and all liability for damage or injury that may result.

The OMEN is optimized to use quality ammunition. Do not use ammunition that exceeds maximum chamber pressure recommended by SAAMI (Sporting Arms and Ammunition Manufacturers' Institute). The maximum pressure is 64,000 PSI, Piezo measured.

The maximum COAL (Cartridge Over All Length) that can be used in the OMEN is up to 3.50 inches. You must check your chamber dimensions before loading ammunition beyond SAAMI length.

There are many different manufacturers of ammunition and loads for the .300 Win Mag. Different ammunition, bullet weights and powder combinations will cause varying degrees of accuracy and performance of the rifle.

Lighter loads and bullet weights may cause the rifle to not lock the bolt back on the last round. Lighter loads can be hot loads and could cause cycling issues, pierced or blown primers.

Really hot loads or heavy bullet weights may cause over gassing, pierced or blown primers.

Soft primers or loose primers may cause blown or "dropped" or pierced primers. The OMEN is designed to perform the best with military-grade hard primers.

Ammunition not to be used in the OMEN:

- Hornady Superformance
- Any ammunition that shows excessive pressure signs such as flattened primers, blown primers, pierced primers

WARNING

If your ammunition is blowing or piercing primers, **DISCONTINUE SHOOTING**. Completely fieldstrip and clean the rifle. Replace firing pin if you have pierced primers. Use different ammunition.

TROUBLESHOOTING

Failure to Fire

- Bolt Bounce/ Carrier Bounce.
 - Ensure the bolt carrier is fully forward before firing, if the carrier bounces rearward off the barrel extension and remains partially off the barrel extension face, the firing pin cannot protrude far enough to strike the primer causing a light primer strike or no primer strike at all.
 - Worn out buffer spring, replace part.
 - Worn out carrier extension spring, replace part.
 - Bolt speeds are too high, restrict gas with adjustable gas block, try different ammunition.
 - Dirty or dry action, lubricate and clean rifle.
 - Suppressor causing too much backpressure, restrict gas with adjustable gas block, try different ammunition or try different suppressor.
 - Releasing bolt forward too slowly with charging handle, try releasing the bolt forward by pressing on the paddle of the bolt catch.
 - Too many rounds in magazine creating drag, ensure magazine is not overloaded.

- Check to ensure firing pin is in good condition and is assembled correctly.
- Defective ammunition. Discard ammunition and reload with new ammunition.
- Too much oil/preservative/CLP in firing pin recess.
- Magazine or chamber is not loaded, reload.

Failure to Extract

- Dirty or corroded ammunition, clean chamber and use new, clean ammunition.
- Broken or worn extractor spring. Replace extractor spring.
- Broken or worn extractor. Replace extractor.
- Fouling or carbon on extractor. Clean bolt, extractor and chamber.
- Carbon or dirty chamber. Clean chamber and barrel extension.
- Extractor tore case rim, Adjust gas block to lower setting or use different ammunition and/or suppressor.

Failure to Feed

- Magazine not inserted properly, re-insert magazine and ensure it is locked into place.
- Too many rounds in magazine, make sure magazine is not overloaded.
- Fatigued buffer spring, replace part.
- Fatigued carrier extension spring, replace part.
- Dirty and/or dry action, Field strip and clean rifle, including bolt carrier group, upper receiver assembly and barrel. Re-lubricate.
- Dirty ammunition or dirty magazine. Clean magazine and use new, clean ammunition.
- Defective magazine feed lips, spring. Discard and replace with new magazine.
- Buffer assembly restricted. Field strip and inspect buffer tube and buffer assembly. Replace buffer spring if necessary.
- Loose or misaligned gas block. Tighten gas block screws and ensure gas block is on straight.
- Rifle over or under gassed, adjust gas block accordingly. If problem persists, call a qualified gunsmith or NEMO Arms, Inc.

Short Stroke

- Rifle is under-gassed, adjust gas block to increase flow.
- Try higher powered ammunition.
- Clean and lubricate bolt carrier group.
- Ensure gas block is aligned and tight.

Bolt is Seized Closed

- The bolt and barrel extension are dirty. Field strip, clean and lubricate. Be sure to clean and lube rifle after firing session before going into storage.

Accuracy

- Make sure to break in barrel properly.
- Use high quality match grade ammunition, try different ammunition.
- Feed ramps sharp, polish feed ramps.
- Ensure all optic mounts and rings are torqued to the correct specification.

- Ensure optic is set up properly.
- Barrel has too much carbon and copper fouling, clean carefully with copper solvent, follow solvent manufacturer's instructions.
- Make sure gas block is adjusted so that the rifle is not over-gassed.
- Throat erosion, barrel has reached service life.

Blown Primers, Pierced Primers

- Blown primers
 - Inspect bolt for damage.
 - Rifle timing is off, try restricting gas flow with adjustable gas block.
 - Suppressor is creating too much backpressure, try restricting gas flow, different ammunition, and/or different suppressor.
 - Suppressor is dirty and has excessive carbon build up, clean suppressor.
- Pierced primers
 - If you experience a pierced primer, contact NEMO Arms, there may be damage to the rifle that needs to be repaired before firing another round.

ACCURACY GUARANTEE

We do not offer a written accuracy guarantee as defining that guarantee has led to much confusion in the past. We expect our rifles to shoot sub-MOA groups with match-grade ammo after break-in with quality optics and proper support. If the accuracy is determined to be less than satisfactory by both Nemo Arms and the customer, we will stand behind our product and remedy the issue.

Measuring a group: measure from center to center on holes that are the farthest apart.

Installing a quality optic on your NEMO firearm is imperative for accuracy. A quality optic and mount make the difference with accuracy. Substandard scope rings will cause poor overall accuracy and accuracy shifts. Low quality optic glass will make it hard to see targets at distance. Having a bipod to use with your rifle will provide a steady rest for the best stability at long range.

PRIVACY POLICY

NEMO Arms, Inc. respects the privacy of all individuals and businesses. We will never sell or share our customers information to anyone. This includes names, phone numbers, fax numbers, e-mail addresses, physical addresses, IP addresses or databases.

PRODUCT REGISTRATION

To register your firearm with Nemo Arms, Inc, please fill out this page and return it to Nemo Arms, Inc with a copy of a proof of purchase.

Personal Information:

Name:	
Date of Birth:	
Street address:	
City:	
State:	
Zip Code:	
Primary phone:	
Email address:	

Purchase Information:

Dealer Name:	
Dealer Phone:	
Dealer Phone:	
Date of Purchase:	

Firearm Information:

Model:	
Caliber:	
Serial Number:	

When completed filling this out within thirty (30) days of your purchase please email to repairs@nemoarms.com with a copy of your proof of purchase or mail to:

Product Registration - Nemo Arms
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