



**OBSIDIAN  
ARMS™**



**OA-15 USER MANUAL**

# Thanks for your purchase

Thank you for your purchase of our high quality firearm!

As a graduate of a gun smith school (at a young age) I gained knowledge and skills that fed my passion for firearms and shooting. Building on top of that knowledge, I pursued a career in machining. Owning a successful precision machine shop for a quarter of a century has provided experience to pursue my passion in life.

Obsidian Arms was created and is run by our family to bring precision engineering to firearms. We present to you our highly thought out, precision engineered AR style rifles and accessories. Welcome to our Obsidian Arms family.

-Wade Wilson

- **Respect every firearm as if it is loaded at all times**
- **Never point the muzzle of a firearm at anything you are not willing to destroy**
- **Keep your finger outside of the trigger guard and off the trigger until on target with intent to fire**
- **Maintain the selector switch in the “Safe” position at all times unless on target with the intent to fire**
- **Be cognizant of your target’s foreground and background. This includes things in the target’s vicinity should you miss and things behind the target should the bullet fully penetrate it**

## Warnings and Advisories

- This is a Firearm and must be treated with all the precautions as such. This product is potentially lethal. It is classified as a Firearm or Dangerous Weapon by the Bureau of Alcohol, Tobacco, Firearms and Explosives (BATFE)
- If this firearm is carelessly or improperly handled, unintentional discharge could result and could cause Personal Injury, Death or Damage to Property
- Please read all the instructions and warnings contained in this operating manual before attempting to handle, load or utilize this firearm
- Obsidian Arms recommends that you carefully read and fully understand this operating manual in its entirety before operating this firearm. We also strongly recommend that you receive proper training from a certified firearms instructor in the safe use and handling of all firearms prior to use
- This Instruction Manual should always accompany this rifle as a reference guide to the safe handling of this firearm
- Only use high quality, domestically produced commercial ammunition or high quality surplus NATO specification ammunition that is clean and in good condition
- The use of re-loaded, hand loaded, remanufactured or other non-standard ammunition voids any factory warranty of this rifle

# Modifications and Alterations

An Obsidian Arms product is a complex precision tool with many parts that must relate correctly with other parts in order for proper and safe operation. As such, this product was manufactured to perform properly with the original parts as designed. We recognize however that these products are modular in design and use by the owner. Any Alteration or Modification is your responsibility to make and it is your responsibility to ensure that any parts you buy are made for this rifle, installed correctly, and that neither the originals nor the replacements are altered or changed. Putting a rifle together improperly or with incorrect or modified parts can result in a damaged rifle, serious personal injury, or death to you and others through malfunction. Always have a qualified armorer or gunsmith work on your firearms.

Governing Law - Any claim relating to Obsidian Arms products shall be governed by the laws of the State of Minnesota without regard to its conflict of law provisions.

## Operation

### Safety selector

The safety selector is a manual lock that blocks the trigger mechanism from actuating. The selector has two positions: safe and fire. In the “Safe” position, the safety is active and the trigger mechanism is locked. In the “Fire” position, the rifle is fully capable of firing if and when the trigger is depressed. When the selector is parallel to the bore of the rifle it is on “Safe” and when it is perpendicular to the bore it is on “Fire.” This is also indicated by the inscriptions on the receiver. As previously indicated, we strongly recommend leaving the safety selector in the safe position until the rifle is held on target with the intent to fire.





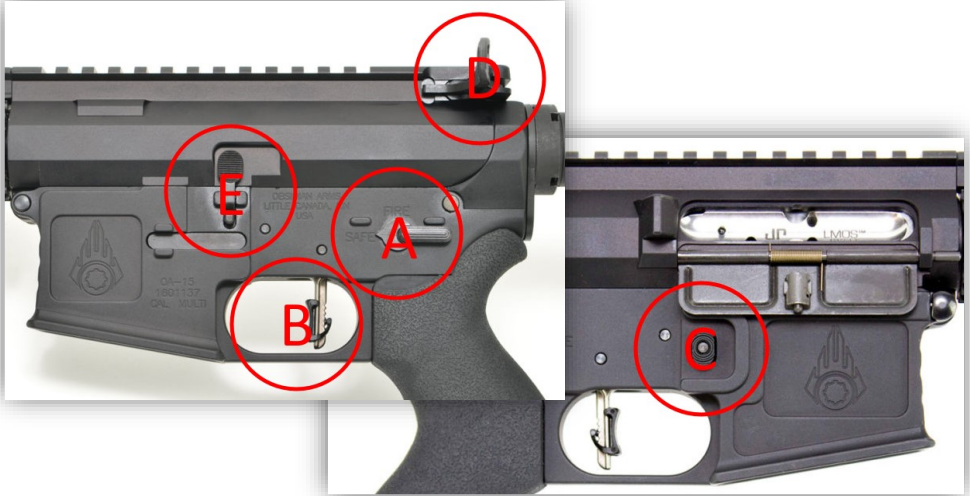
## Loading

1. Insert cartridges into a magazine of matching caliber by placing them on top of the open end, parallel to the feed lips. Press down until the cartridge is retained by the feed lips (A). Repeat for the desired number of cartridges or until the magazine is full.
2. Insert loaded magazine into magazine well until it latches. Pull slightly on the magazine to insure it is fully seated and latched in place.
3. Ensure the safety selector (B) is in the “Safe” position.
4. Chamber a round
  - a. If the bolt is closed, fully retract the charging handle (C) and then release. Allow the bolt return to battery under its own spring power. Easing the bolt closed with the charging handle can possibly induce a feeding malfunction.
  - b. If the bolt is locked open, press the bolt carrier release (D) located on the left side of the receiver (opposite the ejection port) and allow the bolt to slam into battery under its own spring power.
5. **THE RIFLE IS NOW LOADED.**



## Firing

With the rifle loaded as per the prescribed loading procedure and oriented toward an appropriate back stop, rotate the safety selector (A) to the “Fire” position. Press gently on the trigger (B) with slow deliberate pressure from the index finger until it pivots. The rifle will fire one round, eject the spent cartridge casing, chamber a new round and reset the trigger mechanism simultaneously and automatically. Releasing the trigger and repeating the process will fire the rifle again until the desired number of rounds are fired or until the magazine is empty. When the magazine is empty, the bolt will automatically lock rearward in the open position to facilitate faster reloading. The rifle will only fire one round per press of the trigger.



## Unloading

1. To clear the rifle of ammunition from a loaded condition:
2. Rotate the safety selector (A) to the “Safe” position.
3. Press the magazine release (C) on the right (ejection port) side of the receiver.
4. Remove the magazine from the rifle.
5. Fully retract the charging handle (D) and deliberately watch for the live round to be ejected from the chamber.
6. Visually verify the chamber is empty
7. Either:
  - a. Lock the bolt open: continue to hold the charging handle to the rear and press/hold the bottom of the carrier release button (E). Then gently release the tension on the charging handle.  
or
  - b. Manually return the charging handle to its forward and locked position. Release the bolt back into battery: release the charging handle and allow the bolt to close under its own spring power. The rifle is now physically clear. **CONTINUE TO TREAT IT WITH THE RESPECT OF A LOADED RIFLE.**

## Disassembly

Your Obsidian Arms rifle is a finely crafted piece of machinery. As with all machines, periodic disassembly for maintenance and inspection is necessary.

1. Clear the rifle of any magazines and cartridges. (See Unloading on Page 5)
2. Verify once more that the rifle is clear of any magazines and/or cartridges with the bolt carrier forward/closed.
3. Drift the rear takedown pin **(A)** on the lower receiver from left to right. This is a retained pin. Once the tactile click of the detent is felt, the pin is not required to go any further.
4. Drift the front takedown pin **(B)** in the same fashion as the rear and separate the upper receiver from the lower. \*This step is not required, but may make maintenance tasks easier.
5. Retract the charging handle **(C)** approximately two inches.
6. Remove the bolt carrier group **(D)** from the receiver.
7. Fully retract the charging handle gently until it stops.
8. Slide the charging handle straight down until it is free of its track.
9. The rifle is now disassembled and ready to receive basic inspection and maintenance.
10. Reverse to re-assemble.



## Cleaning and lubrication

There are many philosophies and chemistries revolving around cleaning and maintenance of AR-15 style rifles. Which system or technique you choose is dependent upon tastes and preferences in addition to the specifics of your application. To preserve the barrel and ensure its accuracy, we recommend periodic cleaning of the bore to remove fouling and prevent corrosion. The moving parts inside the receiver **MUST** receive lubrication to function properly. There are many lubrication products on the market, we recommend choosing one specifically designed for high round count or tactical firearm applications. Specifically we recommend wiping the entire inside of the receiver and all internal parts with a lightly oiled cloth, placing large drops on the four races (**highlighted in red, repeat on the opposite side**) of the bolt carrier rails, and large drops on all contact surfaces of the bolt and its lugs.



## Obsidian Arms Warranty

Obsidian Arms has gone to great measures to ensure that your firearm leaves our facility in excellent condition. This Obsidian Arms firearm has a 100% satisfaction guarantee against defects in original materials and workmanship to the original purchaser of the rifle for a period of Three (3) years. Transportation to and from our facilities, government fees, damage caused by failure to perform normal maintenance, damage due to high velocity, high pressure, reloaded or other nonstandard ammunition, or any unauthorized repair, modification, misuse, abuse, or alteration of the product is not covered by this Warranty. Obsidian Arms will cover the cost of shipping a rifle back to the owner for claims of warranty work performed. If you have any questions, please contact us.

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