



# OLYMPIC ARMS, INC.

## MPR 308-15 SUPPLEMENTAL OWNER'S MANUAL

**READ THIS MANUAL  
COMPLETELY BEFORE  
OPERATING YOUR RIFLE.  
FAILURE TO DO SO MAY  
RESULT IN DAMAGE TO  
YOUR RIFLE, INJURY OR  
DEATH TO THE SHOOTER  
OR BYSTANDER.**



Welcome to the Olympic Arms family, and thank you for your purchase of the Olympic Arms MPR 308-15 Rifle. The MPR (Multi-Purpose-Rifle) 308-15 is the most advanced and universal AR-style rifle on the market. Able to accept all standard AR15 compatible upper receivers, regardless of caliber – PLUS, the entire range of .308 style MPR uppers from Olympic Arms including the standard chambering of .308 Winchester/7.62 x 51, but also in calibers such as 7mm-08, .260 Remington, .243 Winchester, .270 WSM, 300 WSM, and many, many more to come.



Your Olympic Arms MPR 308-15 rifle is 100% engineered, manufactured and assembled in the USA.

Not only that, every major component part on your MPR 308-15 rifle is manufactured by Olympic Arms, not some subcontractor. Quality control is far more important than "lowest bidder".



Additionally, your MPR 308-15 comes with a Limited Lifetime Warranty. Every Olympic Arms manufactured rifle comes with a Limited Lifetime Warranty against manufacturers defects in

quality, materials or workmanship. If you ever have any questions regarding your Olympic Arms rifle, please call us toll free at 800-228-3471. See [www.olyarms.com](http://www.olyarms.com) for full warranty details.

**THIS IS AN OWNER'S MANUAL SUPPLEMENT  
FOR THE MPR 308-15.**



For a complete understanding of the operations of the AR15 style rifle, please refer to the Olympic Arms, Inc. AR-15 Owner's Manual also included in this package for complete coverage of all the information necessary to safely operate the MPR 308-15 rifle(s). If you do not have access to this manual, please STOP – and call 1-800-228-3471 to have one sent to you FREE OF CHARGE before you attempt to operate this firearm. These manuals can also be downloaded from the Olympic Arms web site at [www.olyarms.com](http://www.olyarms.com)

If after having read both the AR15 Owner's Manual, and the MPR 308-15 Owner's Manual Supplement you have any questions, and/or do not fully understand how to safely operate this firearm – STOP! Call toll free 800-228-3471 for advice and service.

**Please obey these Basic Firearms Safety Rules at ALL TIMES:**

1. Always keep the muzzle pointed in a safe direction
2. Firearms should be unloaded when not actually in use
3. Don't rely on your gun's "safety" to keep you safe
4. Be sure of your target and what's beyond it (back-stop)
5. Use the correct ammunition
6. If your gun fails to fire when the trigger is pulled, keep the muzzle in a safe direction and seek assistance in safely clearing the firearm
7. Always wear eye and ear protection when shooting
8. Be sure the barrel is clear of obstructions before shooting
9. Don't alter or modify your gun, and have firearms serviced regularly following the manufacturers recommendations
10. Learn the mechanical and handling characteristics of the firearm you are using BEFORE actually using it

**IMPORTANT SAFETY NOTICE:**

BEFORE USING YOUR NEW MPR 308-15, PLEASE CHECK TO PROPERLY IDENTIFY THE CALIBER OF YOUR UPPER. Because the MPR 308-15 can fire a dozen or more calibers, please make certain that the magazine and ammunition you are using are appropriate for the upper receiver currently on your MPR 308-15 lower. Using improper ammunition can result in catastrophic failure which can do damage or destruction of the firearms, and cause SERIOUS INJURY or DEATH to the shooter and/or bystanders.

**IMPORTANT NOTICE:**

Even though the MPR 308-15 is patterned after the AR15 style rifle, it does not disassemble and reassemble in a like manner. While, cleaning, general maintenance, functions check and preventative maintenance and services are the same, the MPR 308-15 system does require a different method for disassembly and reassembly. Please note these following differences.

**DISASSEMBLY**

(Removing the upper Receiver Assembly: MPR308-15  
Uppers)

1. With the muzzle pointed in a safe direction, Remove the rifle's magazine, and clear the weapon to ensure that the firearm is fully unloaded.
  - a. Please refer to the AR15 Owner's Manual for full details.
2. When disassembling the MPR 308-15 rifle, starting with the rear takedown pin, slide both the rear takedown pin and front pivot pins to their fully locked open positions.
  - a. NOTE: The rear takedown is CAPTURED and is not designed to be fully removed from the lower. Do not use excessive force, hammers or metal punches to

remove the rear takedown pin. Doing so may damage your lower receiver beyond repair. If your rear pin is too tight for hand opening, Delryn (soft plastic) punches are available for purchase from Olympic Arms for just such a purpose.

3. Once both pins have been pushed to their fully open position (from LEFT to RIGHT as you look at the rifle with the muzzle pointed in a safe direction and in firing position), SLIDE the upper FORWARD.
4. Lift and remove the upper receiver assembly.



## **DISASSEMBLY**

(Removing the upper Receiver Assembly: Standard AR15 style Uppers)

Removing a 5.56/.223 style standard AR15 upper receiver assembly from an MPR 308-15 lower can be achieved by two different methods.

### **METHOD ONE – THE SLIDE METHOD:**

1. Follow steps 1-4 above (removing an MPR 308-15 upper).

**METHOD TWO – MODIFIED AR15 METHOD:**

Warning: Read the entire list of instructions before proceeding.

1. With the muzzle pointed in a safe direction, Remove the rifle's magazine, and clear the weapon to ensure that the firearm is fully unloaded.
  - a. Please refer to the AR15 Owner's Manual for full details.
2. Push the rear takedown pin out (from left to right) to its fully open and captured position.
3. SLOWLY "Shot-gu" the upper open by pushing the muzzle downward, and lifting on the back of the upper as it pivots on the front pivot pin.
4. As you pivot the upper open, you will notice that the recoil buffer is being held in position by the rear of bolt carrier.



5. As you SLOWLY continue to lift the upper open, the recoil buffer will "snap" forward - this is normal, and will not damage your firearm. The recoil buffer assembly will remain captured in your lower.
6. Please note that your upper will not "shotgun" or tilt forward to the same depth or angle as a standard AR15. This is also normal.
7. Next, push the front pivot pin out (from left to right), until it is locked into its fully open position. This will be indicated by hearing a soft metallic click.
8. Your rifle is now ready for cleaning and maintenance, or the upper can now be fully

removed by pushing the front pivot pin into its fully open and captured position.

### REASSEMBLY

(Reinstalling the upper Receiver Assembly: MPR 308-15 style Uppers)

**Note:** Even though the MPR 308-15 is patterned after the AR15 style rifle, it does not necessarily reassemble in a like manner.

1. Ensure that the front pivot pin is installed in the proper MPR 308-15 front pivot pin receptacle. This receptacle is located at the lower forward corner of the lower receiver.
2. If the front pivot pin is installed in the proper pivot pin location for the MPR 308-15 upper, please proceed to step number 4. If not, proceed to step 3.
3. If your pivot pin is NOT located in the MPR 308-15 pivot pin receptacle, please relocate the pivot pin to the proper position by the following method:



- a. Using your index finger, pull back (towards the rear of the lower receiver) on the appropriate takedown pin detent.
- b. With your opposite hand, remove the pivot pin from its receptacle.
- c. Again with your index finger, pull back (towards the rear of the lower receiver) on the takedown pin detent for the installation of the MPR 308-15 upper – this is the lower front pivot pin location.

- d. With the detent in your opposite hand, pull the appropriate front pivot pin detent to the rear, and install the pivot pin with the opposite hand.
- e. Once installed, please make sure that the detent has engaged the pivot pin retainer track that prevents the pin from falling out or being accidentally removed. This can be done by rotating the pin in a circular fashion until you hear an audible 'click'. When properly installed, and with the detent properly engaged, the flat on the head of the pivot pin will be towards the rear of the lower receiver.



4. Without making contact between the upper and lower receiver assemblies, align the upper approximately 1" above and forward of their corresponding pivot pin locations.
5. Gently lower the upper receiver assembly onto the lower receiver assembly, making certain you have clearance for the recoil buffer. If aligned properly, the rear takedown lug of the upper receiver will enter the lower receiver just to the rear of the hammer.
6. Gently slide the upper receiver assembly to the rear until the takedown and pivot lug locations are aligned with the holes of the lower, and then depress the front pivot pin and rear takedown pins until they lock into position.

## REASSEMBLY

### (Installing the upper Receiver Assembly: Standard AR-15 5.56/223 style Uppers)

Installing a 5.56/.223 style standard AR15 upper receiver assembly to an MPR 308-15 lower can be achieved by two different methods.

#### METHOD ONE – THE SLIDE METHOD:

1. Ensure that the front pivot pin is installed in the proper pivot pin receptacle for standard AR15 5.56/223 style AR15 uppers. This receptacle is the top, rearward most receptacle.
2. If the front pivot pin is installed in the proper pivot pin location for the standard AR15 5.56/223 style upper, please proceed to step number 4. If not, proceed to step 3.
3. If your pivot pin is NOT located in the MPR 308-15 pivot pin receptacle, please relocate the pivot pin to the proper position by the following method:



- a. Using your index finger, pull back (towards the rear of the lower receiver) on the appropriate takedown pin detent.
- b. With your opposite hand, remove the pivot pin from its receptacle.
- c. Again with your index finger, pull back (towards the rear of the lower receiver) on the takedown pin detent for the installation of the standard AR15 5.56/223 upper – this is the upper, rearward most location.

- d. With the detent in your opposite hand, pull the appropriate front pivot pin detent to the rear, and install the pivot pin with the opposite hand.
- e. Once installed, please make sure that the detent has engaged the pivot pin retainer track that prevents the pin from falling out or being accidentally removed. This can be done by rotating the pin in a circular fashion until you hear an audible 'click'. When properly installed, and with the detent properly engaged, the flat on the head of the pivot pin will be towards the rear of the lower receiver.
4. Without making contact between the upper and lower receiver assemblies, align the upper approximately 1" above and forward of their corresponding pivot pin locations.
5. Gently lower the upper receiver assembly onto the lower receiver assembly, making certain you have clearance for the recoil buffer. If aligned in this properly, the rear takedown lug of the upper receiver will enter the lower receiver just to the rear of the hammer.
6. Gently slide the upper receiver assembly to the rear.
7. While sliding the upper rearward, please note that the bolt carrier assembly will impact the recoil buffer, driving the buffer into the receiver extension tube.
8. Apply slight pressure while continuing to slide the upper rearward until the takedown and pivot lug locations are aligned with the holes of the lower.
9. With the pivot pin and takedown pin holes properly aligned, depress the front pivot pin and rear takedown pins until they lock into position.

**MAGAZINE INSTALLATION:**

The main technological advance of the MPR 308-15 rifle is its ability to use both standard AR15 magazines of any appropriate caliber (7.62x39, 6.8 Remington, 5.45x39, etc.), but also the Olympic Arms proprietary .308 style magazines. Such a truly hybrid lower receiver allows for almost limitless combinations of small and medium action calibers.

For magazine installation, it works the same as all other traditional AR15 systems. Simply insert the appropriate magazine for the caliber of upper receiver you are using, and lock them into position. Do not be afraid to “slap” the base of the magazine to ensure it is locked securely in place.

Please note that every magazine can fit differently in each individual firearm due to allowable tolerance differences in both the magazines and lower receivers. Some will fit more tightly than others, while others may be more loose. Varying degrees of fit is normal.

#### **MAGAZINE REMOVAL:**

For magazine removal, press the magazine release button located on the right side of the lower receiver, forward and just above the trigger.

Please note that every magazine can fit differently in each individual firearm due to allowable tolerance differences in both the magazines and lower receivers. Most will drop free, some may not. Varying degrees of fit is normal.

#### **FIRE CONTROL COMPONENT PARTS:**

All the fire control component parts in the MPR 308-15 are standard GI-spec “small pin” (.155”) dimension components.



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THE INDUSTRY IN THE  
INNOVATION OF THE  
AR15 SINCE 1976