

owner's manual

A large, dark gray, stylized graphic of an eagle's head in profile, facing left, with its wings spread out to the right. The graphic is set against a solid black background.

AR9

WILSON COMBAT[®]

9MM CARBINE

Owner's Manual For AR9

Technical Questions
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Welcome To Wilson Combat®—Our Commitment To You

Since 1977, we strive to provide our valued customers with superior firearms, parts, and accessories. Our policy of 100%, complete customer satisfaction is the cornerstone of doing business with Wilson Combat®. We want every experience you have in dealing with us to be pleasant and rewarding and we take pride in how we deliver our products and services.

If for any reason you are unhappy with a Wilson Combat® product, Wilson Combat® service, or how your issue has been addressed by an employee of Wilson Combat®, feel free to contact our Customer Service Director at **info@wilsoncombat.com**.

In the event that you need to return or exchange a product, please follow the instructions on our Merchandise Return Form found on our website, email us at **info@wilsoncombat.com**, or call us at **(870) 545-3618**.

For firearms service repair work, please contact **info@wilsoncombat.com** and include **“Attn: Service Repairs”** in the subject.

For answers to frequently asked questions, a complete list of available firearms, parts, accessories, services and upgrades, or to find a Wilson Combat® dealer near you, please visit our website at **<https://www.wilsoncombat.com>**.

For helpful video instructions for many of our products, please visit our YouTube® channel at **<https://www.youtube.com/user/gowilsoncombat>**.

WARNING

BEFORE USING THIS FIREARM, READ, UNDERSTAND AND FOLLOW THESE INSTRUCTIONS. THIS FIREARM SHOULD BE CONSIDERED LOADED AND READY TO FIRE UNTIL YOU REMOVE THE MAGAZINE AND VERIFY THAT THE CHAMBER IS UNLOADED.

If there is anything you do not understand, get assistance from a qualified gunsmith in the safe handling and maintenance of firearms.

This instruction manual should always accompany this firearm and be transferred with it upon change of ownership, or when the firearm is loaned or presented to another person.

Nothing can ever take the place of proper instruction and training. We recommend beginning with an NRA training course near you. For more information, go to **<https://firearmtraining.nra.org>**.

Wilson Combat® Disclaimer and Limitation of Liability

Understanding the basic function of and dangers presented by the use of your firearm, and closely following the instructions and warnings set forth in this manual will help you obtain a high level of safety, performance and satisfaction. On the other hand, failure to follow the instructions and warnings in this manual can result in serious injury and even death to yourself or others, as well as severe damage to the firearm or other property.

Wilson Combat® shall not be responsible for damage to the firearm, physical injury to yourself or others, or property damage caused by any of the following: negligent or criminal discharge of your firearm; improper or careless handling; unauthorized alterations or modifications; use of low-quality or improperly reloaded ammunition; failure to properly maintain and service the firearm, including permitting rust or corrosion accumulation, and abuse, neglect, or other conditions that are beyond Wilson Combat®'s control.

The above legal limitations apply regardless of whether liability against Wilson Combat® is asserted on the basis of warranty law, contract, negligence, or strict liability (including failure to warn). Under no circumstance shall Wilson Combat® be liable for incidental or consequential damages, such as the loss of use of property, commercial loss, and loss of earnings or profits.

Wilson Combat® does not offer any written or express warranties on its products. Wilson Combat® reserves the right to assert any additional defense(s) available under applicable law.

By owning, maintaining, storing, handling and shooting this firearm, you are accepting a serious responsibility. Please take the time to review and understand this entire manual. Always follow common sense. Anyone using your firearm must do so safely. If the you or any of the firearm's handlers have any doubts about the ability to safely and responsibly own, maintain, store, handle and shoot the firearm, supervised and professional instruction should be immediately sought.

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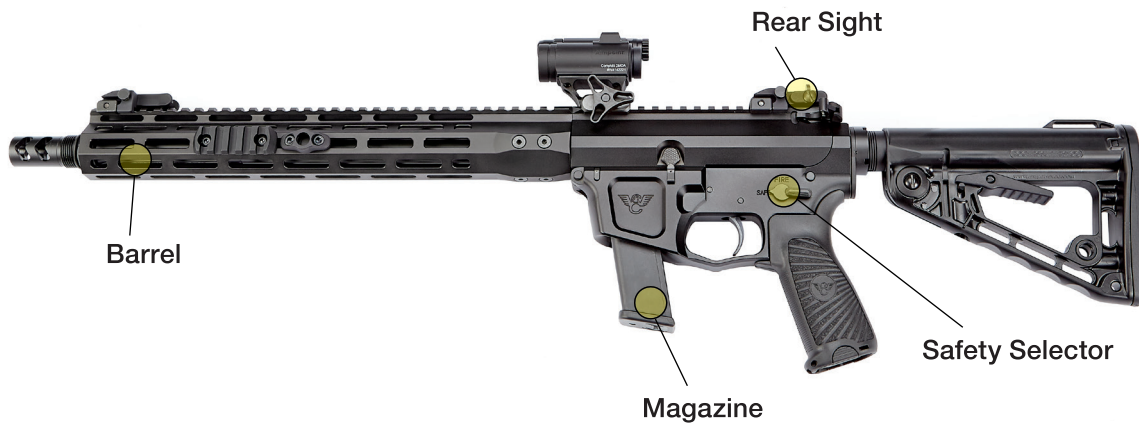
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AR9 9mm Carbine

Visit www.wilsoncombat.com for more information.



*Image of AR9 shown with optional optic & sights.



The Rules Of Safe Firearms Handling

There are no excuses for careless firearms handling. The following rules are common sense and must be followed at all times. If you do not understand these rules, please contact Wilson Combat® at **800-955-4856** or e-mail us at **info@wilsoncombat.com**. Do not use your Wilson Combat® firearm until you fully understand and practice these rules. If these rules are ALWAYS followed, your firearm will provide you with many years of safe and enjoyable use. Failure to follow these rules can cause property damage and serious personal injury or death to yourself or others.

1. Always keep your firearm's muzzle pointed in a safe direction.

A safe direction is one in which an accidental discharge will not cause injury to yourself or others. Never allow your firearm to be pointed at anything you do not intend to shoot. Be extra careful when you are loading or unloading. Injuries can be prevented in the event of an accidental or unintentional discharge if you keep your firearm pointed in a safe direction. Treat every firearm as if it were loaded, regardless of whether it is loaded or unloaded and whether or not the mechanical safety is engaged. Your firearm's mechanical safety is not a substitute for common sense.

2. Your firearm should be unloaded and properly stored when not in use.

Load your firearm only after you are in the field or on the target range and ready and intending to fire. Unload your firearm as soon as you are finished shooting. An unloaded firearm cannot cause an accident. Unload your firearm completely, which means no ammunition in the chamber or in the

magazine. Never assume a firearm is unloaded even if you were the last person to use it.

When not in use, store this firearm where it is not accessible to unauthorized persons. Safe storage of a firearm is just as important as safe handling. Never store your firearm loaded. Be sure to keep your firearm in a secure place where unauthorized persons and children cannot gain access without your knowledge. Take extra precaution if children are nearby. Store your firearm in a locked safe or some other location that physically prevents unauthorized persons and children from gaining access. Ammunition should be stored and locked in a location separate from your firearm. It is your responsibility to make sure that children and others unfamiliar with firearms cannot access your firearm and ammunition.

NOTICE: When using a key operated locking device, never install the locking device inside the trigger guard or in a way that makes it possible for the locking device to pull the trigger. Do not leave the keys in the lock. To maximize effectiveness and reduce the chances of malfunction or damage to your firearm, refer to the locking device manufacturer's instructions for installation and removal.

3. Keep your fingers off the trigger until you are ready and intending to shoot.

Do not touch the trigger on your firearm until you are ready and intending to shoot. Keep your

fingers away from the trigger when you are loading or unloading. Even if the safety is engaged, do not touch or pull the trigger until you are ready and intending to shoot. Keep your finger outside the trigger guard until you are ready and intending to shoot.

4. Use only quality ammunition of the correct caliber in your firearm.

Your firearm is designed to fire a particular caliber of ammunition. The specific caliber is engraved on the firearm. Never attempt to shoot ammunition of any other caliber. Never attempt to shoot damaged, abused, altered, corroded or improperly reloaded ammunition. Using the wrong caliber ammunition or using damaged, abused, altered, corroded or improperly reloaded ammunition can cause serious personal injury or death. Always read and follow the instructions on ammunition boxes. This firearm is only compatible with 9mm Luger (9x19, 9mm Parabellum) ammunition. Using other ammo may cause serious injury or death.

5. Be sure that your firearm and ammunition are in good working condition.

Before firing your firearm, you should always inspect and check that it is functioning as designed and intended. It should only discharge when the safety is disengaged and the trigger is pulled or depressed. The instruction manual that accompanies this firearm includes instructions on how to properly check whether the firearm is in proper working order.

Before loading your firearm, open the action and make sure there is no ammunition in the

chamber or magazine. Check your barrel for any obstructions or debris. (Use common sense, and do not look down the muzzle!) Even a small amount of debris, dirt, mud or excess lubricant in the barrel can cause dangerous increases in pressure and result in the barrel exploding during firing. Use a cleaning rod to clear debris or obstructions in the barrel. If the noise, report or recoil of your firearm seems abnormal or reduced, stop and unload your firearm. A bullet that fails to completely exit the barrel is known as a “squib” load, which is a bore obstruction and extremely dangerous condition.

If for any reason ammunition does not fire when you pull the trigger or something appears wrong with the ammunition, stop what you are doing. Use common sense. Keep the firearm’s muzzle pointed in a safe direction. Keep your face away from the ejection port. Engage your safety. Wait at least 30 seconds before carefully opening the action to unload the firearm. Carefully dispose of the cartridge. Remember that anytime a cartridge is in your firearm’s chamber, your firearm is loaded and can fire.

6. Always wear eye and ear protection when shooting.

Shooting glasses help protect your eyes from powder residue, ruptured or damaged cartridge cases, and other debris. Eye protection is also recommended when you are disassembling, cleaning or reassembling your firearm so that tensioned parts, such as springs, and cleaning solvents do not contact your eyes.

Hearing protection is also important because exposure to shooting noise can permanently damage your hearing. Whether at the range or in the field use ear protection.

7. Be sure of your target and what is beyond it.

When you are ready and intending to shoot, but before you pull the trigger, you must know your target and what is beyond it. Your shot should have a solid backstop. Make sure that you know exactly where your shot is traveling and what it will hit if you miss your target. Bullets travel with great velocity over significant distances. Know how far your shot will travel if you miss your target or if the bullet ricochets.

8. Never use alcohol or drugs before or during shooting.

Never shoot while intoxicated or on drugs. You must shoot sober in order to effectively follow the rules of safe firearms handling. Firearms and alcohol or drugs are an extremely dangerous combination. Never consume anything that could impair your judgment or physical coordination when shooting or handling a firearm.

9. Do not alter or modify your firearm and have it regularly serviced.

An improperly altered, modified or poorly maintained firearm is a dangerous firearm. Your firearm has been designed to operate in accordance with specifications developed by Wilson Combat®. Never alter or modify your firearm in any way. You may endanger yourself and others by altering or modifying your firearm's trigger mechanism, the mechanical safety or any other component.

Like most mechanical devices, your firearm is subject to wear, and should be maintained and regularly serviced. Proper cleaning and lubrication are important and necessary for optimal performance, safety and reliability. Before cleaning, always make sure that your firearm is completely unloaded. Periodically inspect the internal workings of your firearm to make sure they are clean and free of rust and debris. Use only recommended lubricants and do not over-lubricate. Excessive use of non-recommended lubricants can adversely affect the function and safe operation of your firearm.

You are responsible for the proper care and maintenance of your firearm. Failure to properly maintain your firearm can result in damage to the firearm and cause personal injury or death.


10. Learn the mechanics and handling characteristics of the firearm before use.


Not all firearms are alike. They have different mechanical characteristics that impact how you should operate and handle them. Anyone who plans to use a Wilson Combat® firearm should first familiarize themselves with the firearm and the safe handling procedures for loading, unloading, shooting, and storing it. Before you ever load your firearm, read this entire instruction manual and familiarize yourself with the different component parts and features of the firearm and the firearm's handling characteristics.


State-By-State Warnings

Some states require by law that specified **warning** notices in “larger-than-normal” type be conspicuously included by the manufacturer, distributor, or retailer with firearms sold in that state. Since our products may be sold in those states we include the following:


California

 **WARNING:** Firearms must be handled responsibly and securely stored to prevent access by children and other unauthorized users. California has strict laws pertaining to firearms, and you may be fined or imprisoned if you fail to comply with them. Visit the web site of the California Attorney General at <https://oag.ca.gov/firearms> for information on firearm laws applicable to you and how you can comply.

 **WARNING:** Prevent child access by always keeping firearms locked away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you may be fined or sent to prison.

 **ADVERTENCIA:** Se debe manejar con responsabilidad las armas de fuego y guárdalas de forma segura para prevenir que les tienen acceso los niños y usuarios no autorizados. El estado de California tiene leyes estrictas que pertenecen a las armas de fuego, y se puede recibir una multa o le pueden encarcelar si no se las obedezca. Visita a la página


web de California Attorney General a <https://oag.ca.gov/firearms> para información sobre las leyes de armas de fuego y cómo se las puede cumplir.

 **ADVERTENCIA:** Prevén el acceso de niños por guardar bajo llave siempre las armas y descargarlas cuando no están en uso. Si se guarda una arma cargada donde un niño la obtiene y la use de manera inapropiada, se puede recibir una multa o le pueden encarcelar.


Connecticut

 **WARNING:** Unlawful storage of a loaded firearm may result in imprisonment or fine.


Florida

 **WARNING:** It is unlawful, and punishable by imprisonment and fine, for any adult to store or leave a firearm in any place within the reach or easy access of a minor under 18 years of age or to knowingly sell or otherwise transfer ownership or possession of a firearm to a minor or a person of unsound mind.


Maine

 **WARNING:** Endangering the welfare of a child is a crime. If you leave a firearm and ammunition within easy access of a child, you may be subject to fine, imprisonment or both. Keep firearms and ammunition separate. Keep firearms and ammunition locked up. Use trigger locks.

Maryland

 **WARNING:** Children can operate firearms which may cause death or serious injury. It is a crime to store or leave a loaded firearm in any location where an individual knew or should have known that an unsupervised minor would gain access to the firearm. Store your firearm responsibly!

Massachusetts

 **WARNING FROM THE MASSACHUSETTS ATTORNEY GENERAL:** This firearm is not equipped with a device that fully blocks use by unauthorized users. More than 200,000 firearms like this are stolen from their owners every year in the United States. In addition, there are more than a thousand suicides each year by younger children and teenagers who get access to firearms. Hundreds more die from accidental discharge. It is likely that many more children sustain serious wounds, or inflict such wounds accidentally on others. In


order to limit the chance of such misuse, it is imperative that you keep this weapon locked in a secure place and take steps necessary to limit the possibility of theft or accident. Failure to take reasonable preventive steps may result in innocent lives being lost, and in some circumstances may result in your liability for these deaths.

It is unlawful to store or keep a firearm, rifle, shotgun, or machine gun, in any place unless that weapon is equipped with a tamper-resistant safety device or is stored or kept in a securely locked container.


New Jersey

 **WARNING:** It is a criminal offense to leave a loaded firearm within easy access of a minor.


New York City, NY

 **WARNING:** The use of a locking device or safety lock is only one aspect of responsible firearms storage. For increased safety, firearms should be stored unloaded and locked in a location that is both separate from their ammunition and inaccessible to children and other unauthorized persons.


North Carolina

 **WARNING:** It is unlawful to store or leave a firearm that can be discharged in a manner that a reasonable person should know is accessible to a minor.

Texas

 **WARNING:** It is unlawful to store, transport, or abandon an unsecured firearm in a place where children are likely to be and can obtain access to the firearm.

Wisconsin

 **WARNING:** If you leave a loaded firearm within the reach or easy access of a child you may be fined or imprisoned or both if the child improperly discharges, possesses, or exhibits the firearm.

As a firearm owner, it is your job to know the local, state and federal laws regarding firearms ownership. The **warnings** listed in this manual are not inclusive of all states and is subject to change without notice. Please check with your local authorities for current laws and regulations in your locality.

Visit the NRA website **www.nra.org** or the BATFE website **www.atf.gov** for more information.

⚠ WARNING: Discharging firearms in a poorly ventilated area, or handling or cleaning firearms and ammunition can result in an exposure to lead and other harmful substances known in the state of California to cause birth defects, reproductive harm, and other serious physical injury. Adequate ventilation must be maintained at all times when handling, cleaning or firing firearms. Wash your hands thoroughly after exposure. The use of gloves, glasses and other protective gear during firearm cleaning is recommended.


Locking Devices Warning


While it can help provide secure storage for your unloaded firearm, any key-operated locking device can fail. All guns are designed to fire if they are loaded and the trigger is pulled. **Therefore, never install the locking device inside the trigger guard or in any way that makes it possible to pull the trigger! Do not leave the keys in the lock.**

The ultimate responsibility for secure storage of any firearm must depend upon its owner and his or her individual circumstances. Firearms should be stored unloaded, in a secure location, separate from their ammunition.

NEVER Install The Locking Device Inside The Trigger Guard

To maximize effectiveness and reduce the chance of malfunction or damage to a firearm, ALWAYS refer to the locking device's manufacturer direction for installation and removal of the device.

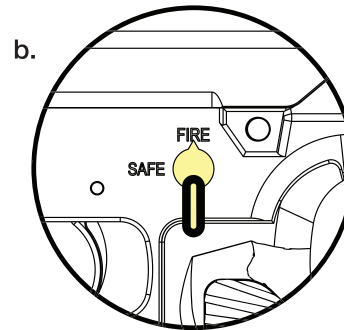
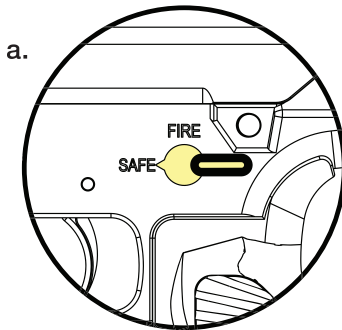
 **WARNING:** Keep the firearm out of the reach of children or other unauthorized persons. Store the key to the cable lock in a safe place, away from unauthorized persons and separately from the firearm.

 **WARNING:** If this firearm is carelessly or improperly handled, unintentional discharge could result and could cause injury, death, and/or damage to property.

Function Test

The following function test is intended to ensure the firearm is safe and in proper working order. If the firearm fails any step of this function test, see warning instructions after step 11 on page 25. To ensure that the firearm is in proper working order, a function test should be completed as follows:

1. Always keep the firearm pointed in a safe direction. Make sure the firearm is completely unloaded — this means, no cartridge in the magazine and no cartridges in the chamber.
2. Place the safety selector lever in the SAFE **(a)** position. If the safety will not engage proceed to step 3.
3. Press the magazine release button and remove the magazine. (Continue to step 4 on pg 24).



4. Lock the bolt open by pulling the charging handle fully to the rear and pressing the bottom of the bolt release. While depressing the bottom of the bolt release, slide the charging handle forward until the bolt engages the bolt catch.

5. With the bolt locked open, slide the charging handle fully forward. Verify the safety selector lever is fully in the SAFE **(a)** position. If the Safety Selector Lever could not be engaged in step 2, place it in the SAFE **(a)** position now. Look into the ejection port and visually check the chamber and magazine well for cartridges, ensuring the firearm is completely unloaded. With the firearm completely unloaded, press the bolt release button while holding the charging handle, allowing the bolt to ease down and fully close on an empty chamber.

6. With the safety selector lever in the SAFE **(a)** position and the firearm pointed in a safe direction, pull the trigger. The trigger should not release the hammer and the hammer should not strike the firing pin with an audible click. If the hammer is released by the trigger, the firearm has malfunctioned and failed this safety function check. Do not proceed with the check and see the warning instructions after step 11 on page 25.


7. Place the safety selector lever in FIRE **(b)** position. Pull the trigger. The trigger should release the hammer and the hammer should strike the firing pin with an audible snap. If the hammer is not released by the trigger, the firearm has malfunctioned and failed this safety function check. Do not proceed with the check and see the warning instructions after step 11 on page 25.

8. Pull and hold the trigger.

9. Pull the charging handle fully rearward and ease the bolt forward allowing the bolt to fully close.

10. Release the pressure on the trigger with a slow continuous motion until the trigger is fully forward. A slight audible click should be heard, but the hammer should not be released and strike the firing pin. If the hammer is released by the trigger and strikes the firing pin, the firearm has malfunctioned and failed this safety function check. Do not proceed with the check and see the warning instructions after step 11 on page 25.

11. Repeat steps 9 through 11 a total of five times.


 **WARNING:** If the firearm fails any step of this function test, immediately contact Wilson Combat for further instructions. Do NOT use the firearm unless it passes all steps of this function test. If you have any doubts or are unsure of the condition and performance of the firearm, do not use it and immediately contact Wilson Combat®. The failure of any aspect of this function test can mean the firearm is unsafe and not in proper working order. Use of the firearm in this condition could lead to poor performance and cause serious bodily injury or death.

Before Firing Any Firearm

Be sure that the barrel is free from obstructions. Firing a firearm with an obstruction in the barrel could result in serious injury or death.

Confirm that your ammunition and the caliber of your firearm are compatible.

In case of a hang fire (an unexpected delay between the action of pulling the trigger and the ignition of cartridge propellant), keep your firearm pointed in a safe direction for at least 30 seconds. If after 30 seconds the cartridge has not fired, keep face away from ejection port, remove the magazine, clear the chamber, and examine the cartridge that did not fire. If there is a no indentation on the primer, a very light strike, or off center strike on the primer, please call Wilson Combat® support. Dispose of unfired ammunition in accordance with the manufacturer's guidelines. If you suspect there is a bullet lodged in the barrel, disassemble the unloaded firearm and remove the barrel to confirm. If so, contact Wilson Combat.

 **WARNING:** Do not fire any firearm if a bullet is lodged in the barrel. Doing so creates extreme pressure and could result in serious injury or death.

Never pull the trigger if the bolt has not fully closed. This could induce an out of battery firing which can cause an escape of pressure toward the shooter and cause serious injury.

Clearing Malfunctions

All semi-automatic firearms may experience a malfunction from time to time. Most malfunctions are caused by improper maintenance, out of spec ammunition, improperly maintained magazines or insufficient grip. To minimize the frequency of malfunctions, your firearm should be maintained in accordance with this instruction manual.

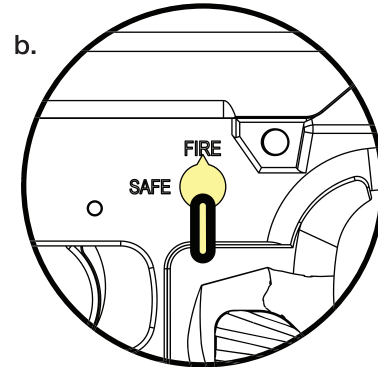
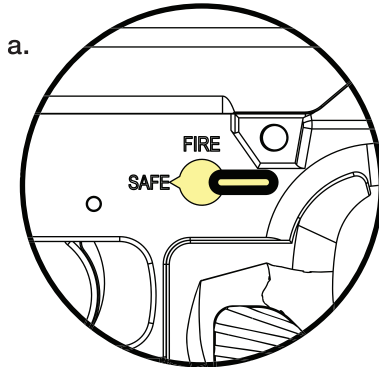
To clear a malfunction, always keep the firearm pointed in a safe direction. Keep your finger outside of the trigger guard at all times, take note of the type of malfunction so that remedial maintenance or repair can be performed if necessary. Retract the action (slide or bolt) to its fully rearward position and lock it open. Remove the magazine and clear the malfunction using your fingers or a small wooden tool. (Metal tools should not be introduced into the action of a firearm as they can cause damage or detonate the primer of the cartridge.)

If you are unable to clear the malfunction, contact Wilson Combat® or your local gunsmith for further instructions.

Operation Controls

Safety

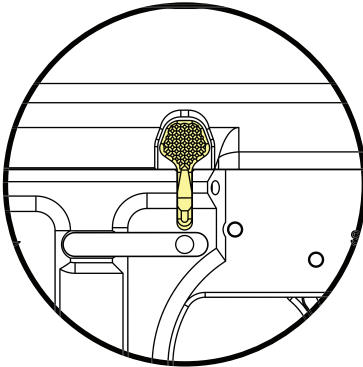
The firearm is equipped with a manual thumb operated safety that is located on the left side of the lower receiver. When the safety is in the SAFE **(a)** position, the trigger action is blocked and the firearm will not fire. To fire the firearm, flip the safety lever down and forward to the FIRE **(b)** position.



Operation Controls

Bolt Stop

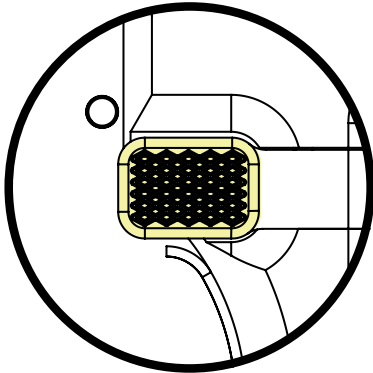
The firearm is equipped with a bolt stop which locks the bolt to the rear after the last shot in the magazine has been fired. The bolt stop can be engaged in three ways. #1 by firing the last shot in the magazine; #2 by manually retracting the bolt with an empty magazine in the weapon; #3 by manually retracting the bolt and pushing the bottom of the bolt stop. The bolt stop is released (which allows the bolt to close) by depressing the serrated pad at the top of the bolt release.



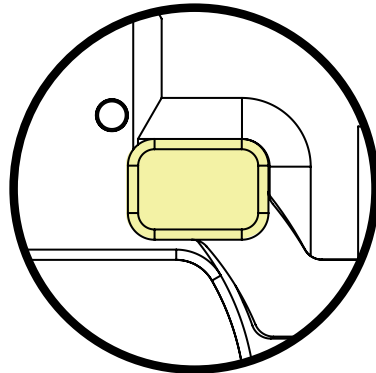
Operation Controls

Magazine Catch

The firearm is equipped with a magazine catch which locks into place or releases the firearm's box magazine feeding device. To lock a magazine into the lower receiver, simply insert a magazine into the magazine well of the lower receiver. To release a magazine from the firearm, depress the magazine release with your index finger.



Glock



Beretta

Operation Controls

Ejection Port Cover

The firearm is equipped with an ejection port cover to keep dirt and debris out of the action when the firearm is not being fired. The ejection port cover can be closed with the bolt in either the open or closed position, and will automatically snap open when the bolt is either opened or closed.

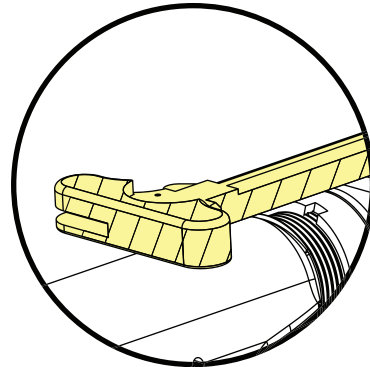
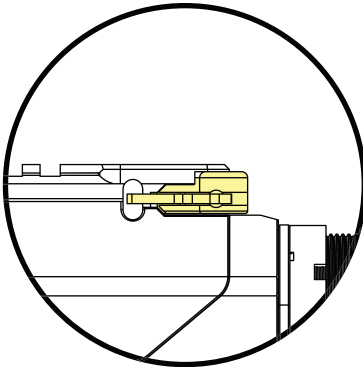
Collapsible Buttstock

The firearm may be fitted with a 6 position collapsible buttstock. To close or retract the stock, depress the lock lever and slide the rear portion of the stock inward or outward. Releasing the lock lever will allow the stock to lock in any of the 6 length positions.

Operation Controls

Charging Handle

The firearm is equipped with a charging handle to retract the bolt assembly, as well as to load and unload the firearm. To retract the bolt, depress the charging handle latch on the left front of the charging handle and retract to the rear. To close the bolt, release the charging handle and allow the bolt assembly/charging handle to move forward.




How To Properly Load The Magazine

If the empty magazine is installed in the firearm, press the magazine release button and remove the magazine.

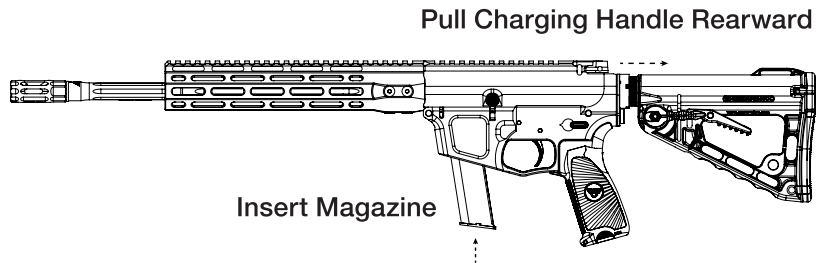
Place a round of 9mm Luger (9x19, 9mm Parabellum) ammunition between the lips of the magazine with the bullet forward and press the round down and back until it is held by the magazine's lips. A magazine loading tool may be necessary to fully load the magazine depending on your hand strength.

Place the next round on top of the previous round and continue in this way until the desired number of rounds are loaded.

 **WARNING:** This firearm is only compatible with 9mm Luger (9x19, 9mm Parabellum) ammunition. Using other ammo may cause serious injury or death.

Loading

⚠ WARNING: Make sure the firearm is pointed in a safe direction, your finger is away from the trigger and the thumb safety is in the SAFE position. The firearm can be loaded with the bolt in either the open or closed position. To load with the bolt open, insert a loaded magazine into the lower receiver and make sure it locks into place by pulling down on it. Release the bolt stop with either your left hand thumb or the open palm of your left hand. To load with the bolt closed, insert a loaded magazine and make sure it is locked into place. Retract the charging handle fully to the rear and release, then pull on the right rear of the charging handle to make sure it is locked.



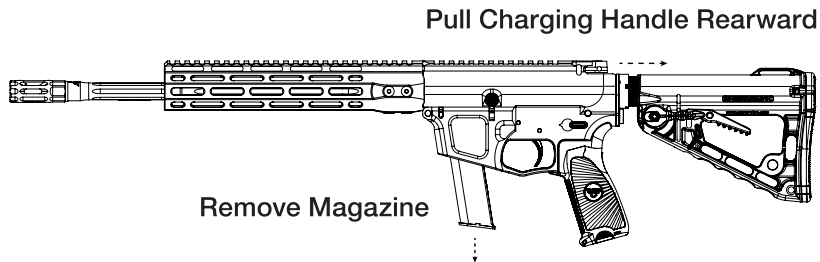
Firing & Unloading

Firing

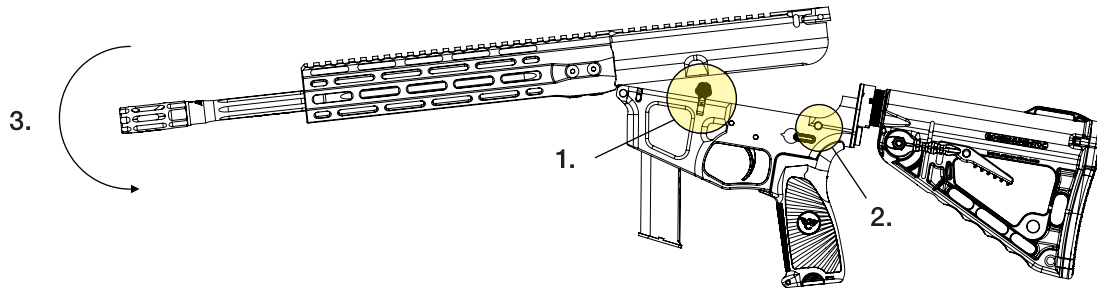
⚠ WARNING: This firearm does not have a magazine disconnect. Firearm will fire without a magazine. Make sure the firearm is pointed in a safe direction, your finger is away from the trigger and the thumb safety is in the SAFE position. ALWAYS use eye and ear protection. Shoulder the firearm, align the sights, flip safety to the FIRE position and press the trigger when ready.

Unloading

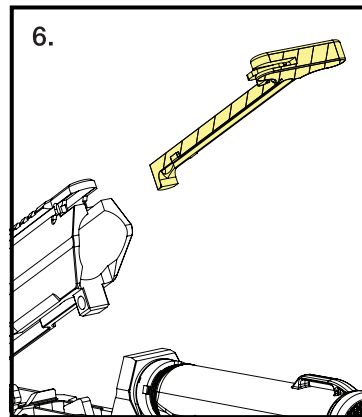
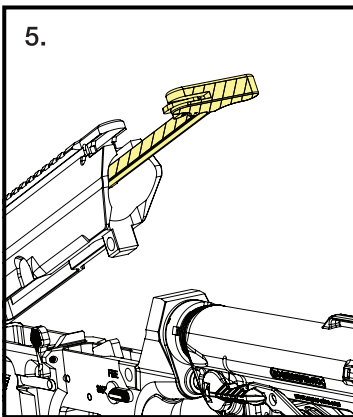
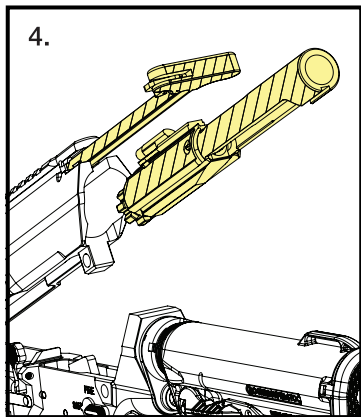
⚠ WARNING: Make sure the firearm is pointed in a safe direction, your finger is away from the trigger and the thumb safety is in the SAFE position. Remove the magazine, retract the charging handle fully to the rear and manually lock the bolt open. Visually inspect the chamber to make sure the firearm is not loaded.



Field Stripping



1. Close the bolt by pushing the bolt release button.
2. Push the rear takedown pin from left to right until it stops (the rear takedown pin may fit so tightly in some firearms that a punch and hammer is needed to move it).
3. Pivot the upper and lower receiver apart.



4. Retract the charging handle and bolt assembly about 1/2 way to the rear.

5. Remove the bolt assembly.

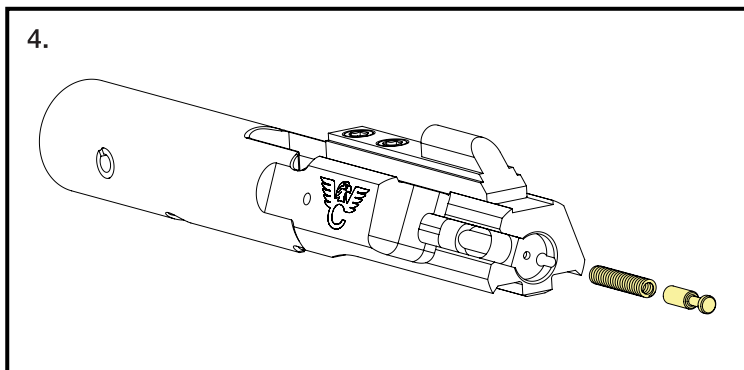
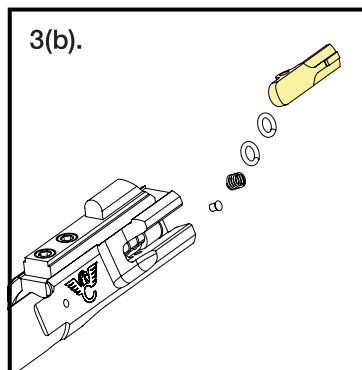
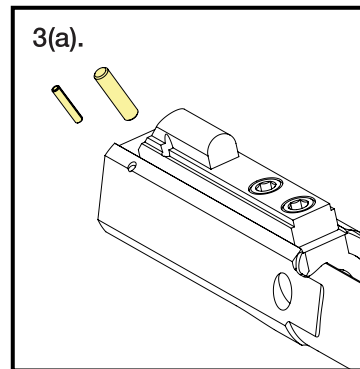
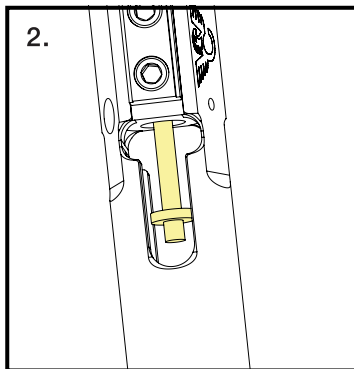
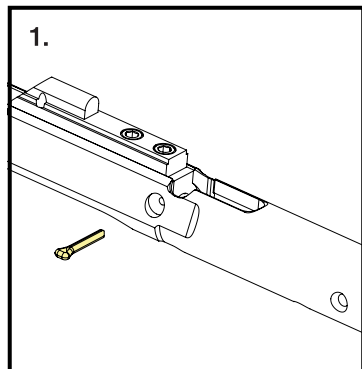
6. Retract the charging handle to the rear until it stops, then push it downward and remove from the upper receiver.

Bolt Assembly Cleaning

After every range visit, use Wilson Combat® Ultima-Lube® II Carbon Remover to saturate and then wipe or brush clean all interior areas of the bolt to remove all powder fouling, corrosion, or dirt. For a thorough bolt cleaning, you will need to disassemble the bolt assembly, as follows:

1. Remove the firing pin retaining pin at the left/center of the bolt assembly.
2. Remove the firing pin/spring.
3. (a) Push the extractor pin in on the right side of the bolt and pull extractor pin out on the left side of the bolt, (b) then remove the extractor from the bolt. Note the relationship of the internal parts. Clean extractor and extractor pocket well.
4. It is not recommended to remove your AR9 ejector during normal maintenance. If your ejector becomes sticky or frozen you can remove it by removing the roll pin, cleaning and reinstalling with a new standard AR-15 ejector pin (An AR-15 ejector removal tool helps).

Thoroughly clean exterior surface of all components and the interior of the bolt assembly, upper receiver, chamber and bore with Wilson Combat® Ultima-Lube® II Carbon Remover or Wilson Combat® Ultima-Lube® II Universal Bore Cleaner. To ensure the removal of all carbon deposits it may be necessary to use a commercially available bolt assembly cleaning tool. Do not use a tool that will mark or deeply scratch your bolt's finish to remove carbon deposits. Lubricate all exterior bolt surfaces thoroughly with Wilson Combat® Ultima-Lube® II Lite Oil when finished and reassemble in the receiver.



Lubrication Points

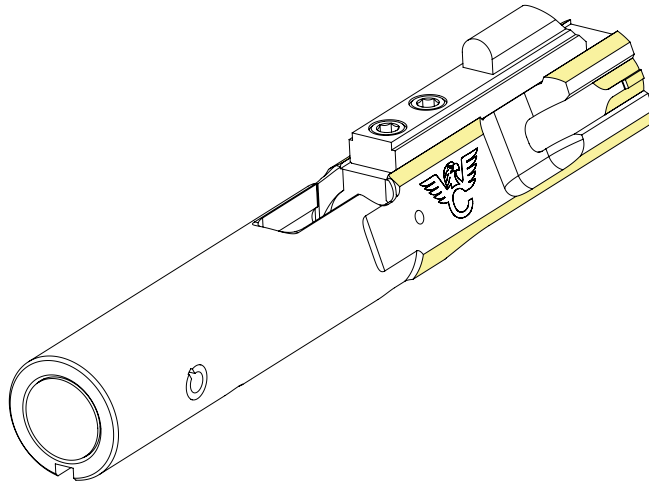
Lightly lube the bearing surface of the charging handle. Recommended lubricant is Wilson Combat® Ultima-Lube® II Lite Oil on all bearing surfaces.

Bolt Assembly

Assembly contact rails (4)

Extractor

Ejector




Reassembly


Reassemble in reverse order as disassembly steps. **See page 38.**

Reassembly Of Bolt Assembly

1. Reinstall inspected and cleaned extractor and extractor spring in the pocket and secure with pin. It may be necessary to hold the bolt in a non-marring vice for this procedure.
2. Reinstall firing pin/firing pin spring and secure with the firing pin retainer. Make sure your retainer is flush with the bolt assembly and doesn't drag against your receiver upon reassembly.
3. To ensure that the firearm is properly functioning, complete a function test before firing live ammunition. **See page 23-25.**

 **WARNING:** Failure to properly reassemble a firearm can cause malfunctions and lead to unsafe conditions, which can cause serious injury or death.

Bore Obstruction

 **WARNING:** If an audible “pop” or reduced recoil is experienced during firing, immediately cease fire. Do not apply immediate action. Be sure bolt assembly is closed (forward). If barrel is hot, wait 15 minutes for barrel to cool.

To remove a bore obstruction:

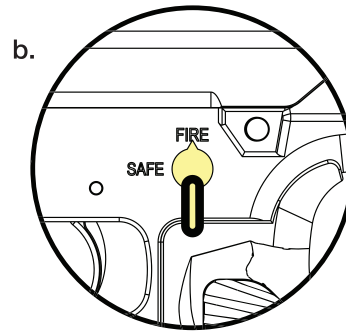
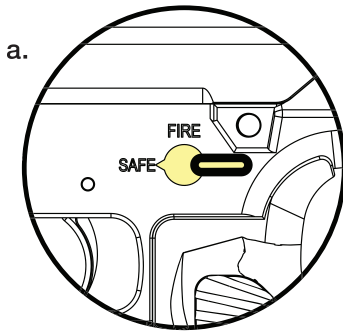
1. Remove cartridge magazine, lock bolt, and return charging handle. Make sure the spent cartridge case has been removed from the firearm’s chamber. Do not attempt to remove a bore obstruction, unless the spent cartridge has been removed.
2. Visually inspect and/or insert a cleaning rod into bore to ensure there is not a projectile lodged into bore. If projectile is lodged in bore, do not attempt to fire the firearm until it has been removed by a competent gunsmith.

Recommended Bore Cleaning Procedure:

- 1.** Run a tight fitting patch saturated with Wilson Combat® Ultima-Lube® II Universal Bore Cleaner through the bore. Do not use unauthorized lubricates on the firearm.
 - 2.** Allow bore to soak for 5 - 15 minutes.
 - 3.** Run a bronze bore brush through the bore six times (the use of a bore guide is recommended).
 - 4.** Run a tight fitting patch saturated with Wilson Combat® Ultima-Lube® II Universal Bore Cleaner through the bore.
 - 5.** Run tight fitting dry patches through the bore until patches come out clean.
- If firearm is not going to be put into immediate use, run a patch saturated with Wilson Combat® Ultima-Lube® II Lite Oil through the bore and wipe out with a dry patch.

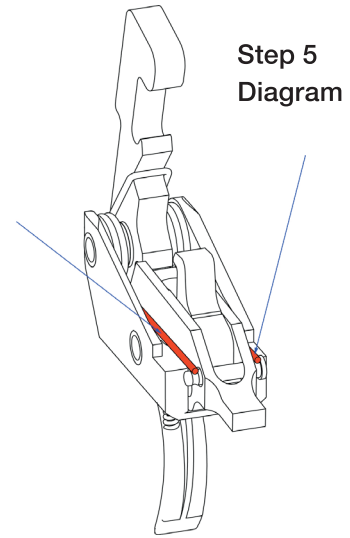
Removing Tactical Trigger Unit (TTU)

1. Set firearm to SAFE **(a)**, remove magazine and visually verify that the chamber is empty.
2. Remove the upper receiver assembly from the lower receiver.
3. Using a punch, drive out the hammer pivot pin from the receiver.
4. Using a punch, drive out the trigger pivot pin from the receiver. Remove TTU. **NOTE:** If the trigger assembly cannot be removed set selector to FIRE **(b)**. If it still cannot be removed, partially unscrew the pistol grip until the safety selector can be removed from the receiver. After the trigger is removed, replace safety selector and tighten pistol grip screw.



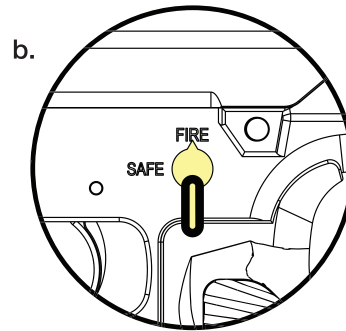
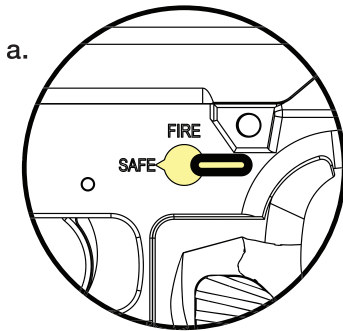
Installing Tactical Trigger Unit (TTU)

1. Set the TTU assembly to its half-cocked position. Ensure that the spring leg is resting on the cross pin as shown in the diagram.
2. Lower TTU into receiver guiding the trigger body to pass through to the trigger guard.
3. Tip the back tail of the trigger down until it rests under the safety selector. **NOTE:** Selector should be set on FIRE **(b)** for this step.
4. From the left side of the receiver (not the ejection side) line up hammer pin holes in the receiver and TTU. Place the trigger pin, offset groove first, into trigger pin hole.
5. Place the hammer pin, offset groove first, into the hammer pin hole in the receiver. Push down on the hammer face while pushing the pin until the pin slides in. The edge of a table can be used to force the hammer down.
6. Tap or press pins in until flush with both sides of the receiver. Pins should resist being pressed out. If they press out remove them and go back to step 4.
7. Reassemble the weapon. **See page 48.**



TTU Function Test

1. With the upper receiver installed on lower receiver, set firearm to SAFE **(a)**, remove magazine and visually verify that the chamber is empty.
2. With weapon on SAFE **(a)** and pointed in a safe direction, pull charging handle back and release.
3. Pull trigger. Hammer should not fall.
4. Set weapon to FIRE **(b)**. Pull trigger. Hammer should fall.



5. Hold trigger back and charge the weapon again. Release trigger. An audible click should be heard.

6. Pull trigger. Hammer should fall.

If your firearm fails this function test, check your installation procedure again. If the two bias springs are not installed in the bottom of the housing, the trigger will malfunction. If your firearm still fails this function test, call our support team at Wilson Combat® at (870) 545-3618.

⚠ WARNING: Do not make any alterations or modifications to the firearm for it may cause injury or death.

TTU Cleaning Maintenance

It is important to keep your TTU clean and free from debris. When cleaning your firearm it is easy to clean your TTU at the same time. Brush the TTU clean with a nylon brush and solvent and dry with compressed air. The TTU has a permanent dry-film lubricant applied so do not clean in an ultrasonic cleaner. No lubrication is necessary on the TTU other than a very light coating of rust preventative.

Reassembly Of A Field Stripped AR9

1. Reinsert the charging handle halfway into the upper receiver.
2. Reinsert the bolt assembly in the upper receiver making sure bolt assembly key is riding inside charging handle.
3. Push the bolt assembly and charging handle together to the fully forward position in the upper receiver.
4. Pivot the upper receiver on to the lower receiver.
5. Push the pivot pin from right to left until it is flush with the right side of the receiver.
5. To ensure that the firearm is properly functioning, complete a function test before firing live ammunition. **See page 23-25.**

⚠ WARNING: Failure to properly reassemble a firearm can cause malfunctions and lead to unsafe conditions, which can cause serious injury or death.


Wilson Combat® Handguard Removal

Normal field stripping and maintenance of the firearm does not require removal of the handguard. This information is included for armorers and informational purposes.

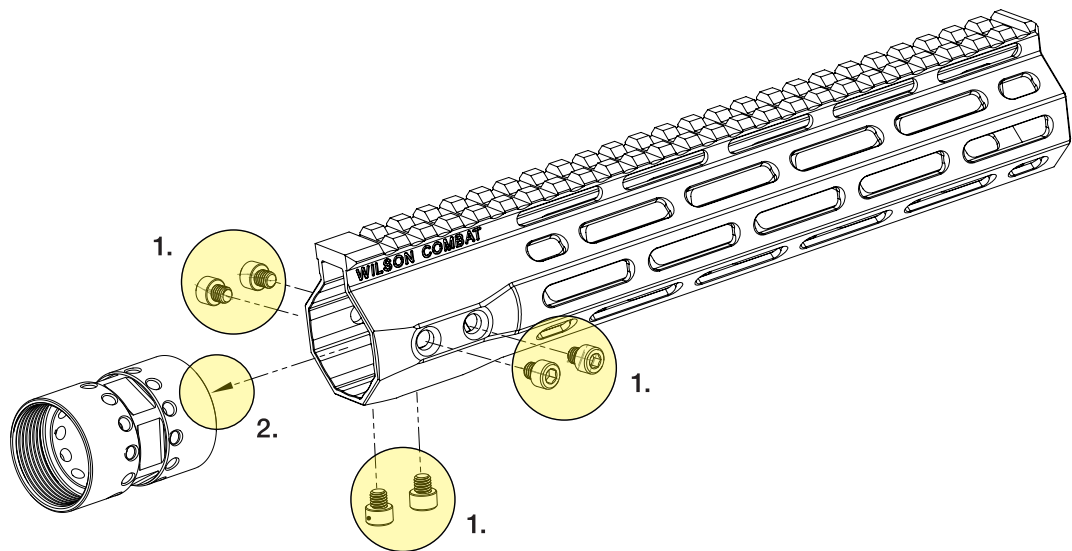
1. Remove the six rail screws.
2. Slide the handguard off of the barrel nut. Further disassembly is not required for normal maintenance.

Reinstall the handguard in reverse order. Ensure that the rail is properly aligned with the top of the receiver before tightening the rail screws. Use a small amount of non-permanent thread locker and tighten screws by hand until they are snug.

3. To ensure that the firearm is properly functioning, complete a function test before firing live ammunition. **See page 23-25.**

 **WARNING:** Failure to properly reassemble a firearm can cause malfunctions and lead to unsafe conditions, which can cause serious injury or death.

Wilson Combat® Handguard Removal Diagram



AR9 Parts List

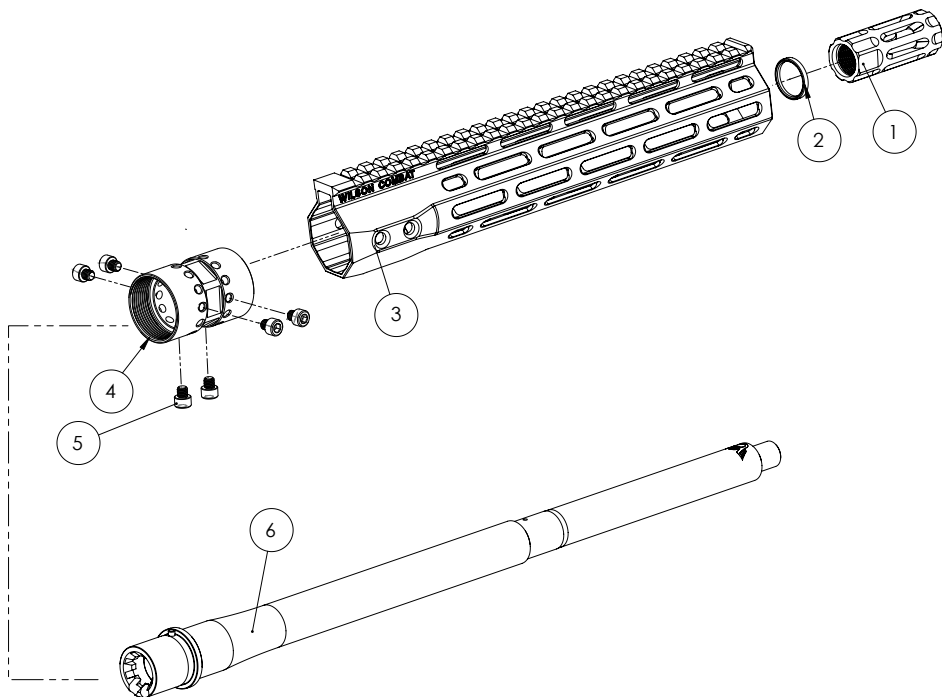
*WC = Wilson Combat
*BA = Bolt Assembly
*HA = Handguard Assembly

1. WC Q-Comp
2. Crush Washer
3. WC M-LOK® Handguard
4. Barrel Nut
5. Flush Mount Tapered Head Screw (x6)
6. WC Barrel
7. WC Upper Receiver
8. Dust Cover
9. Dust Cover Plunger
10. Dust Cover Plunger Pin

11. Dust Cover Spring	Detent Spring (x2)	48. Buffer
12. Charging Handle Assembly	30. WC Billet Bolt Catch	49. Disc Buffer
13. BA Retention Spring	31. WC Bolt Catch Connecting Rod	50. Tingsten Weight
14. BA Carrier Weight	32. WC Bolt Catch - Detent	51. Bumper
15. BA Firing Pin	33. Follower Lever	52. Bumper Retainer Pin
16. BA Carrier	34. Follower Lever Detent/Spring	53. WC Recoil Spring
17. BA Cotter Pin	35. WC Magazine Release	54. WC Standard Backing Plate
18. BA Ejector Pin	36. WC Magazine Release Spring	55. Castle Nut
19. BA Extractor Pin	37. WC Hammer/Trigger Pin (x2)	56. Receiver Extension
20. BA Extractor Spring	38. WC Safety Selector	57. Buttstock Assembly
21. BA Extractor O-Ring	39. WC Safety Selector Detent	
22. BA Extractor	Spring	
23. BA Ejector Spring	40. WC Safety Selector Detent	
24. BA Ejector	41. Pistol Grip	
25. WC Lower Receiver	42. Pistol Grip - Screw	
26. WC Pivot Pin	43. Pistol Grip - Plug	
27. WC Takedown Pin	44. WC Buffer Retainer Spring	
28. WC Pivot/Takedown Pin	45. WC Buffer Retainer Pin	
Detent (x2)	46. TTU Trigger Assembly	
29. WC Pivot/Takedown Pin	47. WC Magazine Catch Spring	

Barrel Assembly

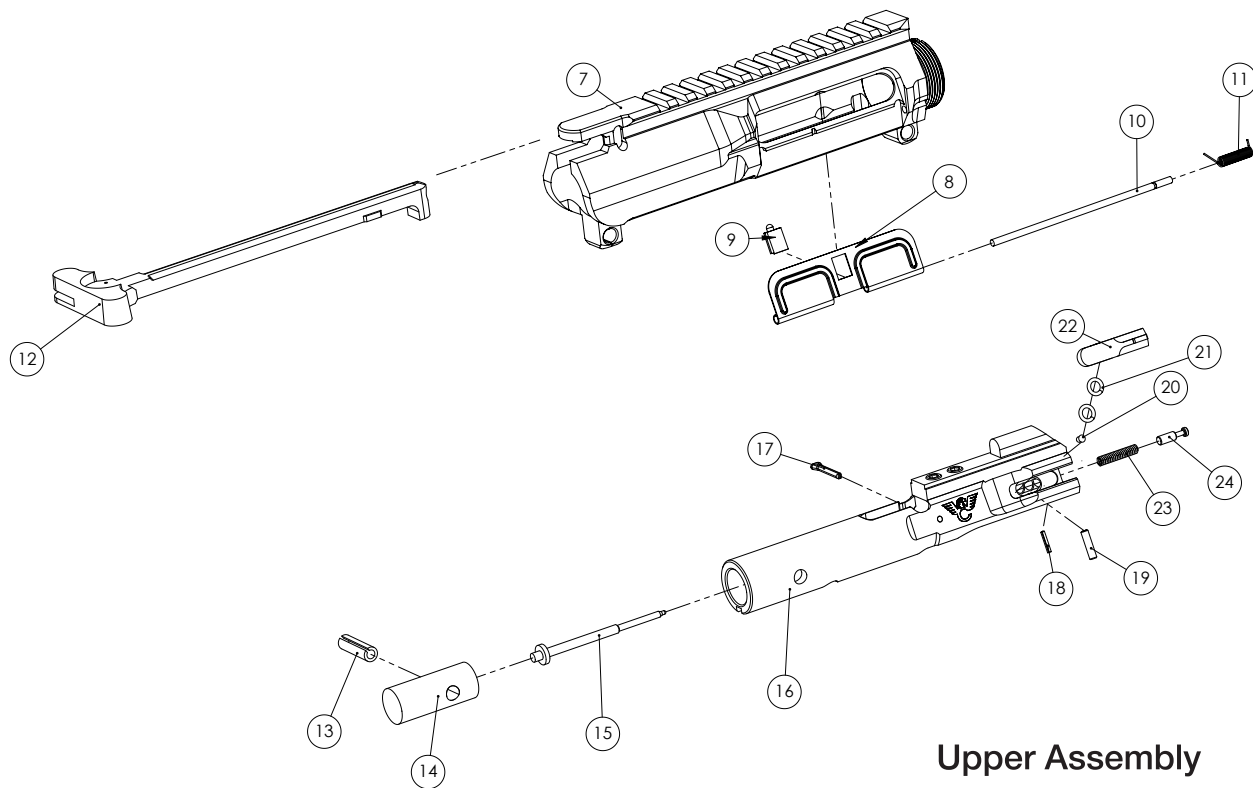
1. WC Q-Comp
2. Crush Washer
3. WC M-LOK® Handguard
4. Barrel Nut
5. Flush Mount Tapered Head Screw (x6)
6. WC Barrel



Barrel Assembly

Upper Assembly

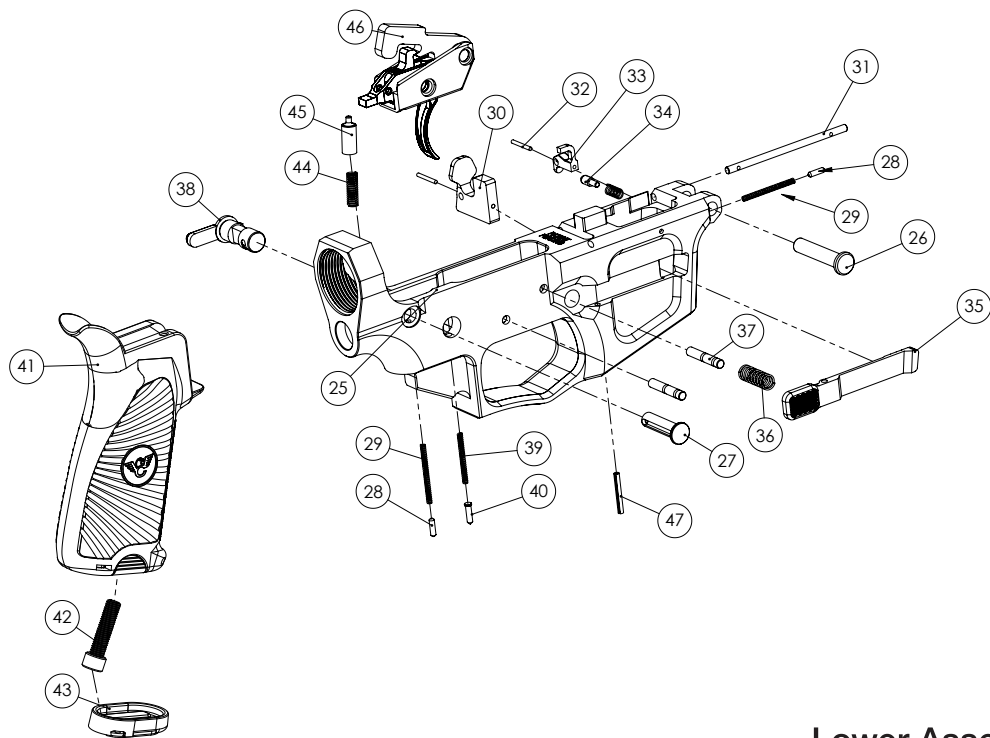
- | | |
|------------------------------|-------------------------|
| 7. WC Upper Receiver | 18. BA Ejector Pin |
| 8. Dust Cover | 19. BA Extractor Pin |
| 9. Dust Cover Plunger | 20. BA Extractor Spring |
| 10. Dust Cover Plunger Pin | 21. BA Extractor O-Ring |
| 11. Dust Cover Spring | 22. BA Extractor |
| 12. Charging Handle Assembly | 23. BA Ejector Spring |
| 13. BA Retention Spring | 24. BA Ejector |
| 14. BA Carrier Weight | |
| 15. BA Firing Pin | |
| 16. BA Carrier | |
| 17. BA Cotter Pin | |



Upper Assembly

Lower Assembly

- | | |
|---|---|
| 25. WC Lower Receiver | 36. WC Magazine Release Spring |
| 26. WC Pivot Pin | 37. WC Hammer/Trigger Pin (x2) |
| 27. WC Takedown Pin | 38. WC Safety Selector |
| 28. WC Pivot/Takedown Pin
Detent (x2) | 39. WC Safety Selector Detent
Spring |
| 29. WC Pivot/Takedown Pin
Detent Spring (x2) | 40. WC Safety Selector Detent |
| 30. WC Billet Bolt Catch | 41. Pistol Grip |
| 31. WC Bolt Catch Connecting Rod | 42. Pistol Grip - Screw |
| 32. WC Bolt Catch - Detent | 43. Pistol Grip - Plug |
| 33. Follower Lever | 44. WC Buffer Retainer Spring |
| 34. Follower Lever Detent/Spring | 45. WC Buffer Retainer Pin |
| 35. WC Magazine Release | 46. TTU Trigger Assembly |
| | 47. WC Magazine Catch Spring |



Lower Assembly

Stock Assembly

25. WC Lower Receiver

48. Buffer

49. Disc Buffer

50. Tungsten Weight

51. Bumper

52. Bumper Retainer Pin

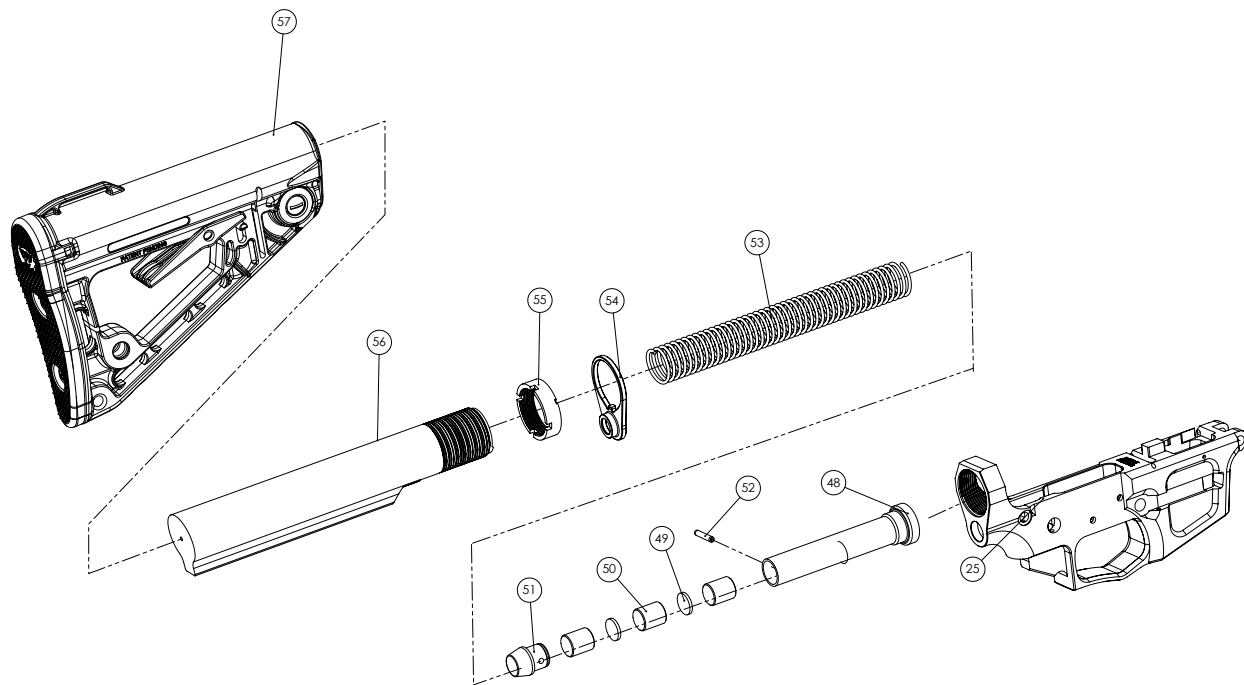
53. WC Recoil Spring

54. WC Standard Backing Plate

55. Castle Nut

56. Receiver Extension

57. Buttstock Assembly



Stock Assembly

Firearm Ownership Record

INSTRUCTION: Record the **(1)** model, **(2)** serial number, **(3)** date of purchase, **(4)** identity of seller and buyer, **(5)** and price paid. This manual should be transferred with the firearm as part of every sale or transfer in ownership.

Cleaning And Maintenance Tips


1. Regular and proper maintenance of your firearm is important to its ability to function reliably and safely. Never disassemble your firearm beyond the instructions in this manual.
2. Make sure your firearm is unloaded before cleaning.
3. Always wear safety glasses during cleaning.

4. Purchase cleaning supplies that are specifically designated for your firearm and the caliber of firearm. Follow the instructions provided with the cleaning supplies.
5. Remove excessive firing residue from the bore and chamber using a properly fitted brush. Remove any cleaning solution, excess oil, debris, and fingerprints from the outside surfaces of the firearm. Clean the exterior of the firearm using a non-abrasive cleaning cloth.
6. After cleaning, lightly coat the metal parts, both internal and external, with a high quality gun oil.
7. After cleaning, do not encase your firearm in anything that will attract or hold excess moisture such as, for example, leather or heavy cloth.
8. Every time you clean your firearm, check it for signs of wear. If wear is noted, do not use the firearm. Contact Wilson Combat immediately.

Maintenance Record And Notes

INSTRUCTION: Record **(1)** the date of service, **(2)** a summary of the maintenance performed, and **(3)** the identity of the person who performed the maintenance.

Notes

 **WARNING:** Never adjust or alter the internal components of this firearm unless specifically directed to do so in this manual. Doing so may cause an unsafe condition and could result in serious injury or death. Please contact Wilson Combat® directly if you feel the firearm is in need of alteration or adjustment that is not covered in this manual. Anyone other than a Wilson Combat® gunsmith performing gunsmithing or repair work on your firearm may result in a nullification of our customer service policy.

