

**ARX100**  
INSTRUCTION MANUAL



**BERETTA**

500 YEARS. ONE PASSION.



**ARX100**



**ALWAYS KEEP THIS MANUAL WITH YOUR FIREARM. INCLUDE IT WITH THE RIFLE WHEN IT CHANGES OWNERSHIP OR WHEN IT IS LOANED OR PRESENTED TO ANOTHER PERSON.**

**CAUTION:** The Manufacturer and/or its Local Official Distributors assume no responsibility for product malfunction or for physical injury or property damage resulting in whole or in part from criminal or negligent use of the product, improper or careless handling, unauthorized modifications, use of defective, improper, hand-loaded, reloaded or remanufactured ammunition\*, customer abuse or neglect of the product, or other influences beyond the manufacturer's direct and immediate control.

\* See page 20 "Ammunition".



**WARNING:** Always ensure that the safety is fully engaged (if present) until ready to fire. A safety, which is not fully engaged, will not prevent firearm discharge.



**WARNING: ALL FIREARMS HAVE LETHAL POTENTIAL. READ THE BASIC SAFETY RULES CAREFULLY AND UNDERSTAND THEM FULLY BEFORE ATTEMPTING TO USE THIS FIREARM.**

In addition to the Basic Safety Rules, there are other Safety Rules pertaining to the loading, unloading, disassembly, assembly and use of this firearm, located throughout this manual.



**WARNING: READ THE ENTIRE MANUAL CAREFULLY BEFORE USING THIS FIREARM. MAKE SURE THAT ANY PERSON USING OR HAVING ACCESS TO THIS FIREARM READS AND UNDERSTANDS ALL OF THIS MANUAL PRIOR TO USE OR ACCESS.**

WE RECOMMEND THE USE OF ORIGINAL BERETTA SPARE PARTS AND ACCESSORIES. THE USE OF OTHER MANUFACTURER'S SPARE PARTS AND ACCESSORIES COULD CAUSE MALFUNCTIONS AND/OR BREAKAGES THAT WILL NOT BE COVERED BY THE BERETTA WARRANTY.



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## BASIC SAFETY RULES



**WARNING:** PLEASE READ THIS MANUAL BEFORE HANDLING YOUR FIREARM.



**WARNING:** FIREARMS CAN BE DANGEROUS AND CAN POTENTIALLY CAUSE SERIOUS INJURY, DAMAGE TO PROPERTY OR DEATH, IF HANDLED IMPROPERLY. THE FOLLOWING SAFETY RULES ARE AN IMPORTANT REMINDER THAT FIREARM SAFETY IS YOUR RESPONSIBILITY.

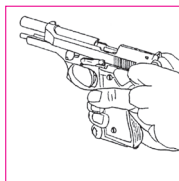
### 1. NEVER POINT A FIREARM AT SOMETHING THAT IS NOT SAFE TO SHOOT.

Never let the muzzle of a firearm point at any part of your body or at another person. This is especially important when loading or unloading the firearm. When you are shooting at a target, know what is behind it. Some bullets can travel over a mile. If you miss your target or if the bullet penetrates the target, it is your responsibility to ensure that the shot does not cause unintended injury or damage.



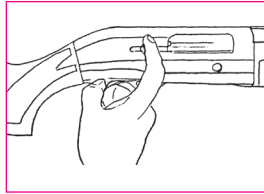
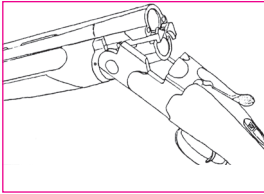
### 2. ALWAYS TREAT A FIREARM AS IF IT WERE LOADED.

Never assume that a firearm is unloaded. The only certain way to ensure that a firearm has the chamber(s) empty is to open the action and visually examine the chamber(s) to see if a round is present.



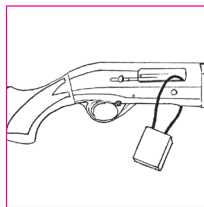
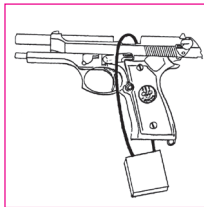


Removing or unloading the magazine will not guarantee that a firearm is unloaded or cannot fire. Firearms can be checked by cycling the action or removing all rounds and by then opening and inspecting the chamber so that a visual inspection of the chamber for any remaining rounds can be made.



### 3. STORE YOUR FIREARM SO THAT CHILDREN CANNOT GAIN ACCESS TO IT.

It is your responsibility to ensure that children or other unauthorized persons do not gain access to your firearm. To reduce the risk of accidents involving children, unload your firearm, lock it and store the ammunition in a separate locked location. Please note that devices intended to prevent accidents - for example, cable locks, chamber plugs, etc. - may not prevent use or misuse of your firearm by a determined person. Firearm storage in a steel gun safe may be more appropriate to reduce the likelihood of intentional misuse of a firearm by an unauthorized child or person.



**4. NEVER SHOOT AT WATER OR AT A HARD SURFACE.**

Shooting at the surface of water or at a rock or other hard surface increases the chance of ricochets or fragmentation of the bullet or shot, which can result in the projectile striking an unintended or peripheral target.

**5. KNOW THE SAFETY FEATURES OF THE FIREARM YOU ARE USING, BUT REMEMBER: SAFETY DEVICES ARE NOT A SUBSTITUTE FOR SAFE HANDLING PROCEDURES.**

Never rely solely on a safety device to prevent an accident. It is imperative that you know and use the safety features of the particular firearm you are handling, but accidents can best be prevented by following the safe handling procedures described in these safety rules and elsewhere in the product manual. To further familiarize yourself with the proper use of this or other firearms, take a Firearms Safety Course taught by an expert in firearms use and safety procedures.

**6. PROPERLY MAINTAIN YOUR FIREARM.**

Store and carry your firearm so that dirt or lint does not accumulate in the working parts. Clean and oil your firearm, following the instructions provided in this manual after each use to prevent corrosion, damage to the barrel or accumulation of fouling which can prevent use of the gun in an emergency. Always check the bore and chamber(s) prior to loading to ensure that they are clean and free from obstructions. Firing with an obstruction in the barrel or chamber can rupture the barrel and injure you or others nearby. In the event you hear an unusual noise when shooting, stop firing immediately, engage the manual safety and







unload the firearm. Make sure the chamber and barrel are free from any obstruction, like a bullet stuck inside the barrel due to defective or improper ammunition.

## 7. USE PROPER AMMUNITION.

Only use factory-loaded, new ammunition manufactured to industry specifications: CIP (Europe and elsewhere), SAAMI® (U.S.A.). Be certain that each round you use is the proper caliber or gauge and loading for the particular firearm. The caliber or gauge of the firearm is clearly marked on the barrel(s) of shotguns or rifles and on the slide or barrel of pistols. The use of reloaded or remanufactured ammunition can increase the likelihood of excessive cartridge pressures, case-head ruptures or other defects in the ammunition that can cause damage to your firearm and injury to yourself or others nearby.

## 8. ALWAYS WEAR PROTECTIVE GLASSES AND HEARING PROTECTION WHEN SHOOTING.

The chance that gas, gunpowder or metal fragments will blow back and injure a shooter who is firing a gun is rare, but the injury that can be sustained in such circumstances can be severe, including the possible loss of eyesight. A shooter must always wear impact resistant shooting glasses when firing any firearm. Earplugs or other high-quality hearing protectors help reduce the chance of hearing damage from shooting.



## 9. NEVER CLIMB A TREE, FENCE OR OTHER OBSTRUCTION WITH A LOADED FIREARM.

Open the action and empty the chamber(s) of your firearm and engage the manual safety before climbing or descending a tree or before climbing a fence or jumping over a ditch or other obstruction. Never pull or push a loaded firearm toward

yourself or another person. Always unload a firearm, visually check to see that the loading mechanism and chamber are unloaded and the magazine is unloaded or removed. Open the action before handing it to another person. Never take a firearm from another person unless it is visually checked to confirm it is unloaded, and the action is open.



**10. AVOID ALCOHOLIC BEVERAGES OR JUDGMENT/REFLEX IMPAIRING MEDICATION WHEN SHOOTING.**

Do not drink and shoot. If you take medication that can impair motor reactions or judgment, do not handle a firearm while you are under the influence of the medication.



**11. NEVER TRANSPORT A LOADED FIREARM.**

Unload a firearm before putting it in a vehicle (chamber empty, magazine empty). Hunters and target shooters should load their firearm only at their destination, and only when they are ready to shoot. If you carry a firearm for self-protection, leaving the chamber unloaded can reduce the chance of an unintentional discharge.

**12. LEAD WARNING.**

Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times and wash hands thoroughly after exposure.



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**WARNING:** It is YOUR responsibility to know and abide by Federal, State and Local laws governing the sale, transportation and use of firearms in your area.






**WARNING:** This firearm has the capability of taking your life or the life of someone else! Always be extremely careful with your firearm. An accident is almost always the result of not following basic firearm safety rules.

**ESPECIALLY FOR U.S. CONSUMERS:**

For information about Firearm Safety Courses in your area, please visit the National Rifle Association's web site at [www.nra.org](http://www.nra.org).




## SAFETY INSPECTION

-  **WARNING:** Never assume a firearm is unloaded. Always keep the barrel pointed in a safe direction. Never point a firearm at yourself or another person.
-  **WARNING:** Do not put your finger on the trigger or inside the trigger guard until ready to shoot.
-  **WARNING:** Never take from or give a firearm to another person unless the action is open and the firearm has been inspected to insure it is unloaded.

To check to make sure your Beretta ARX100 is unloaded pull the bolt handle back and inspect the ejection port and chamber. The rifle is unloaded when no cartridge is visible in the chamber, receiver or magazine. If the rifle is loaded refer to the unloading instructions on page 26.



## LOCKING THE BOLT THE REAR

-  **WARNING:** Never assume a firearm is unloaded. Always keep the barrel pointed in a safe direction. Never point a firearm at yourself or another person.



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**WARNING:** Never take from or give a firearm to another person unless the action is open and the firearm has been inspected to insure it is unloaded.

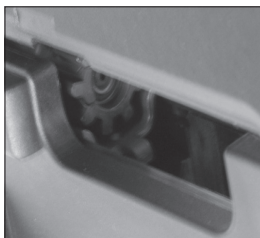
I. To lock the bolt carrier assembly open remove the magazine by pressing the magazine release button located on the right or left side of the receiver and pull the magazine down and out of the rifle.



An alternant method of removing the magazine is to press up on the lower magazine release button located on the bottom of the trigger guard just behind the magazine well until the magazine is released then pull the magazine down and out of the rifle.



2. Pull back the bolt handle with one hand while applying upward pressure to the right or left bolt catch lever, located just in front of the trigger guard with the other hand, until the bolt assembly has been pulled back far enough to allow the bolt catch to engage the bolt carrier. Then allow the bolt carrier to rest against the bolt catch locking the bolt carrier assembly in the open position.



The lower magazine release button can also be used to lock the bolt carrier assembly in the open position. To use the lower magazine release button retract the bolt handle with one hand while applying upward pressure to the lower magazine release button with the other hand. When the bolt carrier assembly has been pulled back far enough to allow the bolt catch to engage the bolt carrier, allow the bolt carrier to rest against the bolt catch, locking the bolt carrier assembly in the open position.



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An alternate method of locking the bolt carrier assembly open is to insert an unloaded magazine and retract the bolt handle until the magazine follower pushes the bolt catch up, locking the bolt carrier assembly to the rear.

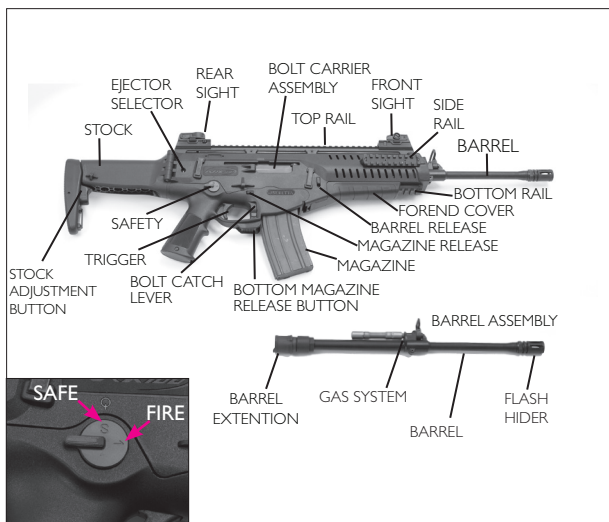


**NOTICE:** The bolt carrier assembly will remain locked in the open position when the magazine is removed.

**NOTICE:** The bolt carrier assembly will close if the bolt handle is pulled to the rear if a **LOADED** magazine is inserted.

**NOTICE:** The bolt carrier assembly will close if the bolt handle is pulled to the rear if **NO** magazine is inserted.

## DESCRIPTION



The Beretta ARX100 is a semiautomatic rifle that is designed to survive extreme environmental conditions and provide a modern, completely ambidextrous rifle that can be readily adapted to fit the largest number of users and be configured to suit situational requirements.





## THE FUNCTIONING OF THE ARX100

When the trigger is pulled the hammer is released and travels forward striking the firing pin, the firing pin travels forward under inertia striking the primer of a loaded cartridge. The primer detonates igniting the powder. The powder burns creating a gas that pushes the bullet down the barrel, when the bullet passes the gas port (a hole drilled through the barrel for the purpose of venting gas from the barrel into the gas system) gas passes through the port, into the gas block, through the shank of the piston and into the cylinder. The cylinder then moves back and contacts the bolt carrier transferring energy to the bolt carrier. The bolt carrier then moves back causing the bolt to rotate, disengaging the bolt lugs from the barrel extension. Then the bolt carrier and bolt continue rearward under inertia extracting the case from the chamber, ejecting it through the left or right ejection port depending on the ejection selector setting and cocking the hammer. After the fired case has been ejected, the bolt carrier is stopped and is returned forward by the recoil spring. A cartridge is stripped from the top of the magazine and chambered as the bolt returns forward. When the bolt reaches its full forward position the continued forward motion of the bolt carrier rotates the bolt, locking it into the barrel extension, making the rifle ready for the next shot. When the last round is fired from the magazine, the magazine follower engages the bolt catch and locks the bolt carrier assembly in the open position.

## FEATURES

### BERETTA GAS PISTON SYSTEM

The Beretta ARX100 uses a fixed piston moving cylinder gas system that was designed to need minimal maintenance.

### QUICK CHANGE BARREL

The barrel of the ARX100 can be removed and installed in a few seconds without tools.



## SELECTIVE RIGHT OR LEFT HAND EJECTION

The ARX100 is designed so that the rifle can be made to eject to the right or left without changing parts or disassembly. To change the ejection the shrouded ejector selector is pushed from right to left to eject to the left and from left to right to eject to the right with the bolt forward/closed. The selector is shrouded to prevent accidental changing of the ejection and can be actuated with the tip of a bullet or a punch.

## REVERSIBLE BOLT HANDLE

The bolt handle of the ARX100 can be moved from one side of the receiver to the other without tools or disassembly.

## AMBIDEXTROUS CONTROLS

The ARX100 is provided with completely ambidextrous controls including the safety selector levers, magazine release buttons, left and right bolt catch levers and the lower magazine release button that can be operated with either hand.

## COLLAPSIBLE AND FOLDING STOCK

The stock of the ARX100 is adjustable for length of pull and folds along the right side of the receiver. The rifle can be operated and fired with the stock folded.

## SLING ATTACHMENT POINTS

The ARX100 is provided with six sling attachment points to allow for any sling configuration that may be desired.

## SIGHT AND ACCESSORY RAILS

The ARX100 is equipped with Picatinny rail along the full length of the top of the upper receiver and on the right, left and bottom front of the forend. The rear portion of the bottom of the forend is equipped with a Beretta specific rail mounting system. The Picatinny rails will accept



Mil-Std 1913 Picatinny and Weaver compatible sights, optics mounts, and accessories. The rear portion of the bottom rail is designed to accept Beretta specific specialized accessories. An ergonomic cover is available to cover this section of the rail when it is not in use.

## PISTOL GRIP STORAGE COMPARTMENT

The pistol grip of the ARX100 contains a storage compartment that can be used to store cleaning equipment, batteries, or other small parts and accessories.

## PINLESS, TOOL-FREE FIELD STRIPING

The ARX100 has been designed so that no pins are removed and no tools are needed to disassemble the rifle for normal maintenance.

# DATE AND TECHNICAL CHARACTERISTICS

<b>MODEL:</b>	ARX100
<b>CALIBER:</b>	(5.56 mm NATO as supplied)
<b>MAGAZINE CAPACITY:</b>	30 round standard (depends on market configuration)
<b>RIFLING PITCH:</b>	1:7 as supplied
<b>GENERAL OPERATION:</b>	Gas operated piston
<b>LOCKING SYSTEM:</b>	Rotary Locking Bolt
<b>SIGHTS:</b>	Removable front and rear flip up sights
<b>OVERALL LENGTH:</b>	26.5" stock folded and collapsed. 35.5" stock extended
<b>BARREL LENGTH:</b>	16"
<b>OVERALL WIDTH:</b>	2.75"
<b>GRIP WIDTH:</b>	1.14"
<b>OVERALL HEIGHT:</b>	8.5"
<b>SIGHT RADIUS:</b>	15" Max
<b>WEIGHT UNLOADED:</b>	6.8 Lbs

## AMMUNITION



**WARNING:** Beretta specifically disclaims responsibility for any damage or injury occurring with, or as the result of using faulty, improper, hand-loaded, reloaded or remanufactured ammunition. Serious damage, injury even death, may result from the use of ammunition that is not suitable for use in this firearm, from firing against a bore obstruction and propellant overloads. Use of improper ammunition, such as listed previously will void the manufacturer's warranty. Use only commercially manufactured ammunition made in accordance with CIP (Europe and elsewhere) or SAMMI (USA) standards. Be certain that the ammunition is the appropriate caliber and loading for your rifle and barrel and is clean, dry and in good condition. The appropriate caliber and loading are marked on the barrel.

**NOTE:** The Beretta ARX100 is intended for use with cartridges that are designed for use in semiautomatic rifles. There are some commercial loadings available that may not cycle the action completely.



**WARNING:** The barrels for the ARX100 are interchangeable. Always check the barrel to verify the chambering of the barrel currently installed. Never attempt to chamber or fire a cartridge in a barrel that is not chambered for that cartridge. Serious damage, injury or even death, may result from the use of ammunition that is not suitable for use in the barrel installed on the rifle.



## OBSTRUCTION CHECK



**WARNING:** Always point your rifle in a safe direction. Never point a firearm at yourself or another person.



**WARNING:** Never fire a rifle with an obstructed barrel. This can cause a catastrophic failure destroying the rifle and injuring the shooter and anyone near by.

**NOTE:** Remove the barrel from the receiver or remove the bolt carrier assembly to inspect the barrel.

1. Follow the disassembly instructions in the field stripping section (pages 28-35) and remove the barrel.

2. Look through the barrel to make sure there are no obstructions or debris. If there is something in the barrel push it out with a cleaning rod. If the blockage can not be easily pushed out, the rifle must be taken to a competent gunsmith and the obstruction removed before the rifle can be fired.



3. Reassemble the rifle as instructed in the field stripping reassembly section (pages 35-41).

## DRY FIRING & DUMMY” ROUNDS

Dry firing is defined as firing a firearm with no ammunition in the chamber. Long term dry firing of your Beretta ARX100 will reduce the life of the firing pin. “SNAP CAPS” (Inert chamber inserts that allow a firearm to be dry fired without damage to the firing pin.) are available for those who wish to practice firing without live ammunition. “DUMMY ROUNDS” with empty primer pockets are suitable for loading/unloading practice and for function testing but do not protect the firing pin tip during dry firing.

## LOADING AND FIRING

**CAUTION:** Beretta assumes no liability for any injury or property damage resulting from improper or careless handling or intentional or accidental firing of the rifle.



**WARNING:** Always keep the barrel pointed in a safe direction. Never point a firearm at yourself or another person.



**WARNING:** Before loading the firearm become familiar with the loading procedures without the use of ammunition. Never handle a loaded firearm until you become familiar with the operating procedures.



**WARNING:** Always check the barrel for obstructions before loading the firearm (page 21).



**WARNING:** Always keep your finger out of the trigger guard and away from the trigger until you are prepared to fire.



**WARNING:** Load the chamber only when ready to fire.



**WARNING:** Know your target and what is behind it. If you miss your target or the bullet penetrates the target it is your responsibility to ensure that the bullet does not cause unintended injury or damage.



**WARNING:** The shooter and all bystanders should wear protective eye wear and hearing protection during shooting. Prolonged exposure to gun fire without hearing protection will permanently damage your ability to hear. Debris and hot gasses generated during firing can damage your eyes without proper eye protection.

**CAUTION:** The safety should be left in the **ON (S)** position or the action left open until ready to shoot. The safety is a mechanical device **AND IS NOT A REPLACEMENT FOR SAFE GUN HANDLING.**



**WARNING:** The rifle is able to fire any time a round is in the chamber and the safety is in the **OFF (I)** position.

## LOADING THE MAGAZINE

**NOTE:** Magazine Compatibility. The ARX100 uses NATO/STANAG standard magazines. Other commercial magazines may work but should be tested for fit and function before use.

To load the magazine place a round on top of the magazine between the feed lips with the front of the cartridge facing the front of the magazine and press the cartridge down between the feed lips until the cartridge is retained. Make sure that the back of the cartridge is against the back of the magazine and repeat the process until the desired number of rounds have been loaded or the magazine has been loaded to full capacity.



**NOTE: DO NOT** load more than the indicated maximum number of rounds into a magazine. An overloaded magazine may not function properly.

## UNLOADING THE MAGAZINE

To unload the magazine grasp the magazine in one hand, with the cartridges pointing forward and push the rounds forward and out of the magazine.



## LOADING RIFLE WITH THE MAGAZINE

Insert a loaded magazine into the magazine well and push it into place until the magazine catch snaps into place retaining the magazine in the rifle. Pull back and release the bolt handle, or press the right or left bolt catch levers downward to release the bolt carrier assembly if the bolt carrier assembly is locked to the rear. This will chamber a round.







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**CAUTION:** Keep fingers away from the ejection port when closing the bolt carrier assembly. Closing your fingers in the ejection port can cause injury to your fingers.

## LOADING RIFLE WITHOUT A MAGAZINE

A round can be loaded directly into the barrel by inserting a cartridge into the chamber and allowing the bolt carrier assembly to close.



**NOTE:** The first method loading from magazine should be preferred over the second. The second method is only intended to be used if a magazine is unavailable.




## UNLOADING


To unload your Beretta ARX100 press the magazine release on the right or left side of the receiver or the lower magazine release button on the bottom of the trigger guard and remove the magazine from the rifle. Pull the bolt handle to the rear until the loaded cartridge is extracted from the chamber and ejected from the gun.





**NOTE:** Visually check that there is no ammunition in the magazine or chamber.


## FIRING


 **WARNING:** Always keep the firearm pointed in a safe direction. Never point a firearm at yourself or another person.

 **WARNING:** Always keep your finger away from the trigger until you are prepared to fire.


 **WARNING:** Never take from or give a firearm to another person unless the action is open and the firearm has been inspected to insure it is unloaded.

 **WARNING:** Load the chamber only when ready to fire.

 **WARNING:** The safety should be left in the **ON (S)** position until ready to fire.

 **WARNING:** Know your target and what is behind it. If you miss your target or the bullet penetrates the target it is your responsibility to ensure that the bullet dose not cause unintended injury or damage.

To fire your ARX100 load it as described in the loading section then move the safety to the **OFF (I)** position, place your finger on the trigger and pull the trigger to the rear. The gun will fire. The action will cycle feeding a round from the magazine into the chamber. The rifle is now ready to fire again. When the last round has been fired the bolt will lock in the open position.

 **WARNING:** If while firing the trigger is pulled and the firearm does not immediately fire keep the firearm pointed in a safe direction in the event a **"HANG-FIRE"** occurs. A hang-fire is when there is a delay in a cartridge's ignition.

With the rifle pointed in a safe direction wait one full minute. After one minute has elapsed, eject the cartridge and carefully inspect it. Immediately refer to a Beretta customer support representative, Beretta authorized service center or qualified gunsmith if the firing pin indent on the cartridge's primer is light, off center or does not exist.



**WARNING:** If while firing you hear a change in the sound of a fired cartridge or feel a change in the amount of recoil, or detect any other irregularity, cease firing immediately and keep the firearm pointed in a safe direction. A "squib load" may have occurred. A "**SQUIB**" occurs when a cartridge fires, but with insufficient force to drive the projectile out of the barrel. This can result in a dangerous bore obstruction. With the gun pointed in a safe direction completely unload the firearm by following the unloading instructions, (pages 26) and follow the instructions in the obstruction inspection section (page 21).



**WARNING:** **DO NOT** attempt to reuse or fire ammunition that did not fire the first time. Dispose of unfired or damaged ammunition properly, per the ammunition manufacturer's recommendation.

## FIELD STRIPPING



**WARNING:** make sure the rifle is unloaded before disassembly, if it is not, follow the unloading instructions on page 26.

**NOTE:** Field stripping is the minimal level of disassembly required to clean and maintain your rifle. Further disassembly is not required or recommended unless a part needs to be replaced.

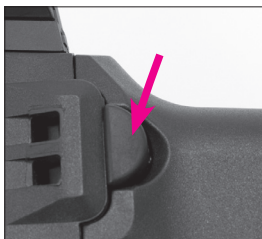
1. Press the magazine release button on the right or left side of the receiver or the lower magazine release button on the bottom of the trigger guard and remove the magazine from the rifle. Then close the bolt carrier assembly by pulling the bolt handle back and releasing it or by depressing the left or right bolt catch levers.



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2. Depress the stock latch button and fold the stock to the right exposing the retaining plate visible through the back of the receiver.





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3. Rotate the safety lever up past the safety position to the disassembly position, this will allow the retaining plate to be pressed in releasing the lower receiver from the upper receiver.



4. Pull down on the lower receiver while holding the safety lever in the disassembly position and depressing the retaining plate through the back of the receiver and remove the lower receiver from the upper receiver.

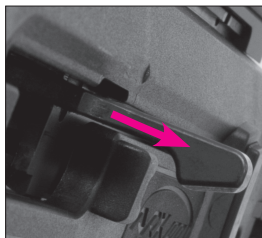
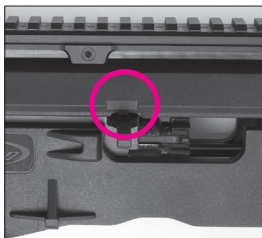


5. Pull the bolt handle back until it aligns with the marks on the left and right sides of the receiver. Pull out on the bolt handle this will keep the bolt from moving forward and allow the bolt handle to pivot around its pin.





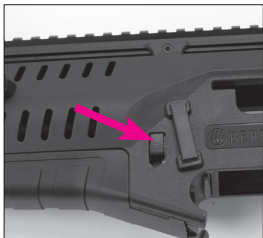
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6. Rotate the bolt handle until it is aligned with the length of the bolt and pull the bolt carrier assembly out the back of the receiver.

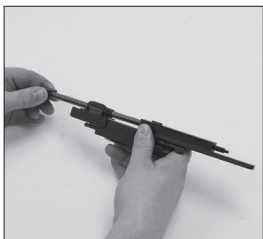


7. Depress the barrel release levers on both sides of the receiver and pull the barrel forward and out of the receiver.

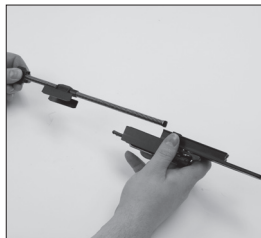


**NOTE:** The barrel can not be removed if the bolt is closed.

8. Remove the recoil spring from the bolt carrier by pressing forward on the recoil spring assembly, then rotate the recoil spring guide 90°. And pull the recoil spring assembly out the back of the bolt carrier.







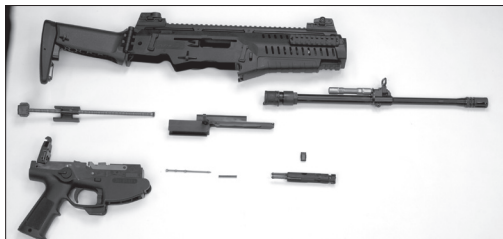
9. Remove the bolt from the bolt carrier by rotating the bolt handle to the right or left side (do not push the bolt handle into the bolt) and pull the bolt back through the bolt carrier rotating it to allow the bolt cam to follow the cam path and remove it from the carrier.



10. Remove the firing pin from the bolt by pressing in on the firing pin and pulling the bolt cam pin out of the bolt. Then pull the firing pin and spring out the back of the bolt.



The rifle is now field striped.



**NOTE:** The barrel can be removed without disassembling the rest of the rifle. To remove the barrel without disassembling the rest of the rifle pull the bolt handle back until the handle aligns with the marks on the receiver and pull it out and rotate the handle into the ejection port so that the bolt carrier assembly is locked in place. Then remove the barrel as stated in step seven (page 32).



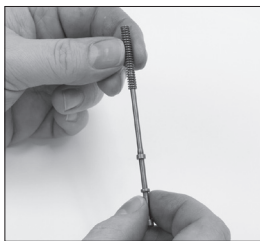
ARX 100



**CAUTION: DO NOT** allow the bolt carrier assembly to slam forward with the barrel removed, this can damage the receiver.

## REASSEMBLY

I. Slide the firing pin spring over the firing pin and slide the firing pin and spring into the bolt. Press the firing pin into the bolt enough to allow the cam pin to be installed into the bolt. The cam pin will retain the firing pin.

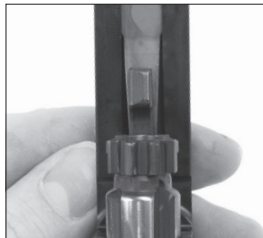
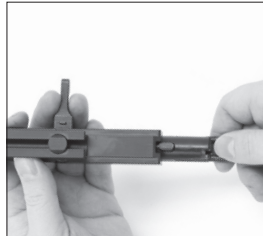




**ARX100**



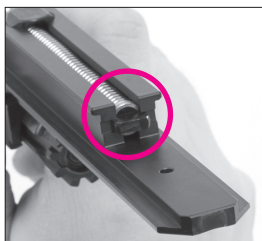
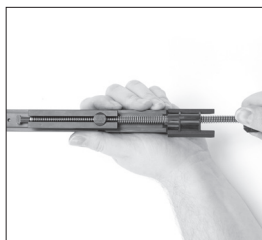
2. With the bolt handle moved to the left or right side, slide the bolt into the bolt carrier from the back with the cam pin aligned with the cam pin path until the bolt sticks out the front of the carrier then rotate the bolt handle to align with the length of the bolt.





ARX 100

3. Slide the recoil spring assembly into the back of the carrier at a 90° angle to the orientation that it is in during function until the front of the recoil spring guide protrudes from the front of the carrier and rotate the guide 90° (the guides on the recoil spring buffer should be at the bottom to allow it to align with the recesses in the receiver).the recoil spring assembly will be retained in the bolt carrier.



4. Slide the barrel into the receiver and press it into place. The barrel is seated when the barrel release levers snap up locking the barrel in place. Pull forward on the barrel after it is seated to make sure it is retained.



ARX100



5. Slide the bolt carrier assembly into the back of the receiver until it stops and rotate the bolt handle to the left or right side of the receiver and press the bolt handle into the bolt. This will lock the bolt handle in place and allow the bolt carrier assembly to continue forward. Press the bolt handle forward until the bolt is seated and has rotated into the locked position.





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6. Rotate the safety selector lever to the disassembly position, depress the retaining latch on the back of the lower receiver and allow the safety to pivot back to the on position while holding the retaining plate forward. The retaining plate will be held slightly forward by the safety selector lever allowing it to clear the back of the upper receiver when it is installed.



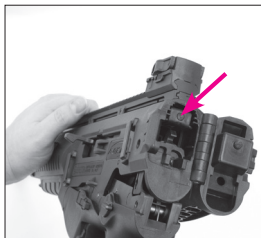
7. Slide the front of the lower receiver into the recess provided for it in the upper receiver and rotate the lower receiver up into the upper receiver until the retaining plate latches into the top of the upper receiver.



**ARX100**



**NOTE:** The bolt carrier must be completely forward to allow the retaining plate to pass the recoil spring guide.



**NOTE:** The hammer should be cocked when installing the lower receive into the upper







ARX100

8. Move the stock into the desired position and check the function of the bolt and safety to make sure that they are functioning correctly and smoothly.



The rifle is now reassembled.

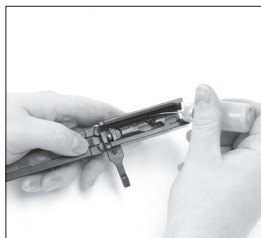
## MAINTAINING YOUR BERETTA ARX100

The Beretta ARX100 is designed to be easily maintained. The rifle only needs to be disassembled to the field stripped level for cleaning and routine maintenance. Additional disassembly is not recommended for normal maintenance.

1. Disassemble your Beretta ARX100 to the field stripped level (pages 28-35) and wipe off all accessible surfaces with an oiled cloth, use a Nylon brush if necessary to remove stuck on fouling.
2. Clean the barrel using a commercial bore cleaning solvent following the manufactures recommendations. Remove all the solvent when the cleaning is complete and apply a light coat of preservative oil.
3. Lightly oil the extractor/ejectors and cam pin path in the bolt carrier group.



**ARX100**



4. Reassemble the rifle (pages 35-41)

## STORAGE



**WARNING:** Always store your firearms where they can not be accessed by children or unauthorized persons.

To best preserve your Beretta ARX100 it should be cleaned after each use and stored oiled and in a dry place. Be cautious of storing your rifle in a padded case because the padding may draw moisture from the surrounding environment and over an extended period of time this can cause damage to the finish of your rifle.



ARX100

# CONFIGURING YOUR ARX100

## GENERAL CONFIGURATION

The ARX100 is designed to adapt to your needs. This section is designed to help you determine the best way to configure your rifle for the task at hand.



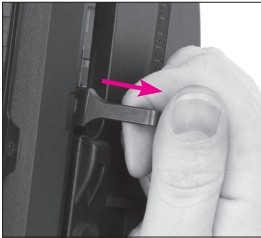
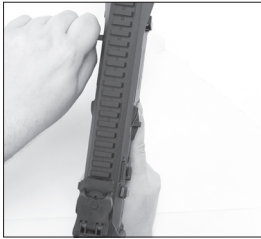
*\*Accessories shown are not included\**

**CAUTION:** Ensure rifle is unloaded.

The ARX100 is fully ambidextrous so the first thing that you must decide is which shoulder you wish to fire it from. Normally it is desirable to have the fired cartridge case ejected away from your face this would be to the right for right hand use and to the left for left hand use. To change the ejection from one side to the other the bolt assembly must be closed. Then the ejection selector located at the back of the receiver can be moved to select right or left ejection. The Selector is surrounded by a boss to protect it from unintentional movement. The selector is designed to be actuated by a bullet tip or a punch. To select right side ejection push the selector from left to right and for left side ejection push the selector from right to left.



Next, determine how you want to operate the bolt handle. Some people prefer to operate the bolt handle with the trigger hand and others prefer to use the off hand. To reverse the bolt handle pull the bolt handle back to the mark shown on the sides of the receiver and pull out on the bolt handle this will lock the bolt carrier assembly in place and allow the bolt handle to rotate on its pin. Rotate the bolt carrier handle to the desired side and push it back into the bolt assembly. This will lock the bolt handle into place and release the bolt carrier assembly causing it to close.



**CAUTION:** When pressing the bolt handle back into position keep your fingers away from the ejection port. Closing your fingers in the ejection port can cause injury to your fingers.



ARX100

If you wish to use a sling, the ARX100 provides six mounting points to give you many carrying options. Beretta recommends following the instructions provided with the sling to optimize carrying comfort and access.



The Stock of the ARX100 is adjustable for length of pull and can be folded to the right side of the receiver to make the rifle even more compact. The stock should be adjusted to a length that allows proper use of the sighting solution that you are using on your rifle taking into consideration the clothing that will be worn when using the rifle. To adjust the length of the stock depress the stock adjustment button located just above the sling attachment point opposite the butt plate and slide the stock to the desired setting, release the adjustment button and allow the locking mechanism to lock the stock in place. The rifle can also be fired with the stock folded.





**ARX100**



**NOTE:** If you wish to fire the rifle with the stock folded the bolt handle is much easier to operate when located on the left side of the receiver.



The ARX100 is designed with quick interchangeable barrels. If you decide to use a different barrel than the one originally provided with your rifle read and understand the instructions provided with that barrel prior to installation. Some barrels may have special ammunition requirements and others may not be legal to install in some jurisdictions or without proper licensing.

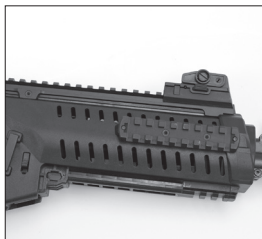
**NOTE:** You are responsible for knowing and abiding by all applicable laws and regulations.

Your ARX100 is designed to function with sights and accessories that are compatible with Picatinny and Weaver type rails, follow the manufacturer's recommendations when installing accessories. Check to make sure that the accessories do not interfere with each other or the function of the rifle.



ARX 100

The bottom of the forend is provided with a rail system. The front portion of the rail system is standard Picatinny rail but the rear section is designed to be used with Beretta specific accessories. An ergonomically shaped rail cover is normally supplied with the rifle to cover this section when the rail is not in use.



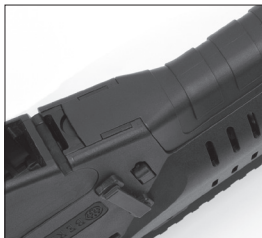
To remove the rail cover, pull up on the back of the rail cover slightly and slide it forward and off the forend.



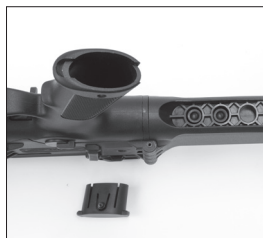
To reinstall the rail cover, slide the rail cover over the accessory rail and pull it back until the tab at the back of the rail cover snaps into the recess in the receiver.



**ARX100**



The grip of the ARX100 contains a storage compartment that can be used to store cleaning supplies, tools, small parts, batteries or accessories. To access the compartment press in on the button located on the bottom right side of the grip using a bullet tip or similar shaped tool and pull down on the ledge at the bottom back of the grip. The grip cap will pull out of the bottom of the grip exposing the compartment.





## SIGHT ADJUSTMENT



**WARNING:** Always be certain that the firearm is unloaded and the empty chamber indicator installed.

### ADJUSTING THE REAR SIGHT

The aiming device consists of a five position rear sight and a front sight adjustable both in elevation and for windage. Both the rear sight and the front sight are flip-up type.

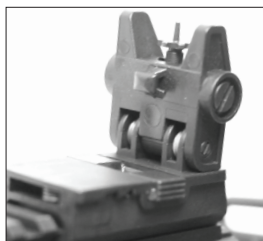
The five positions are corresponding to the following distances and diopter diameters:

- Position "1" firing distance 100 meters diameter of diopter 2 millimeters.
- Position "2" firing distance 200 meters diameter of diopter 2 millimeters.
- Position "3" firing distance 300 meters diameter of diopter 1.5 millimeters.
- Position "4" firing distance 400 meters diameter of diopter 1.3 millimeters.
- Position "6" firing distance 600 meters diameter of diopter 1.3 millimeters.



## ADJUSTING THE FRONT SIGHT POST

- The Front Sight can be adjusted for both windage and elevation.
- The windage is adjusted by the windage screw on the right side of the front sight post. Use a tool or a standard flat screwdriver to adjust the windage.
- By turning the windage screw clockwise the point of impact is adjusted to the right. Turning counter-clockwise the point of impact is adjusted to the left.
- The elevation is adjusted by turning the Front Sight Post itself. It is also click-adjustable. Use the supplied tool to adjust the elevation.
- By turning the post clockwise the point of impact moves up, by turning it counter-clockwise it moves down.





ARX100

## TROUBLESHOOTING



**WARNING:** Do not attempt to make repairs to any firearm without proper knowledge or training. Do not alter the firing mechanism or use substitute parts in the firing mechanism not made by Beretta. Any necessary alterations or adjustments to the operating mechanism should be performed by the Manufacturer or by its Local Official Distributor or Authorized Repair Center.



**WARNING:** Do not attempt to alter the internal parts of your rifle's firing mechanism. Altering internal parts can cause a unsafe condition.



**WARNING:** Altering the internal parts of your rifle's firing mechanism voids the manufacturer's warranty.

If you are having a problem with the operation or maintenance of your Beretta ARX100 please contact Beretta USA either online at [www.berettausa.com](http://www.berettausa.com) or by telephone at 1-800-Beretta (237-3882).





SERIAL NUMBER: \_\_\_\_\_

DATE PURCHASED: \_\_\_\_\_

PURCHASE PRICE: \_\_\_\_\_

DEALER INFORMATION: \_\_\_\_\_

The illustrations and descriptions given in this brochure are intended as a general guide only, and must not be taken as binding. The Company, therefore, reserves the right to make, at any moment and without prior notice, any changes it thinks necessary to improve its models or to meet any requirements of manufacturing or commercial nature.

Beretta USA Corp.

17601 Beretta Drive

Accokeek, MD 20607

1-800-Beretta

[www.berettausa.com](http://www.berettausa.com)

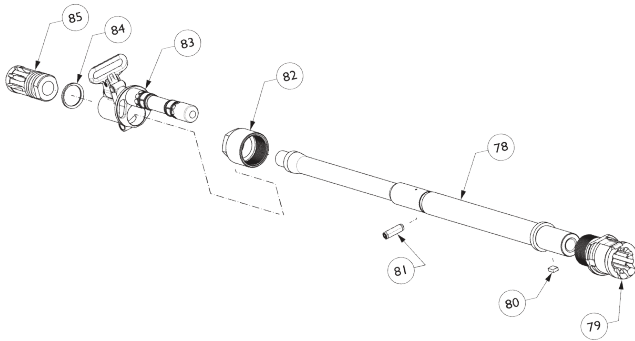
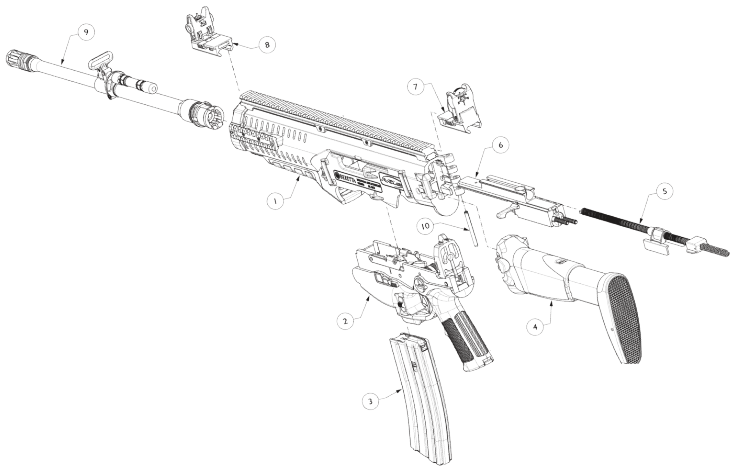


ARX 100



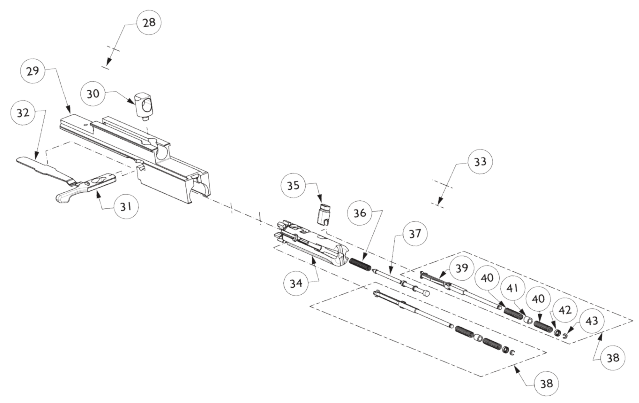
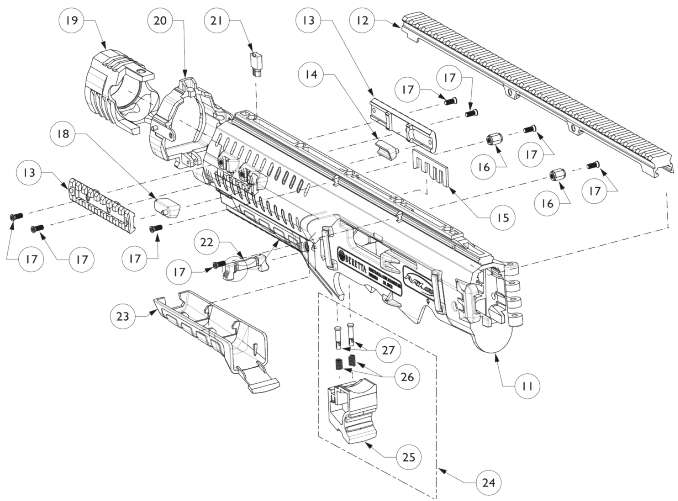


ARX100





No.	DESCRIPTION	CODE	QTY
1	UPPER RECEIVER GROUP	UD8A0355	1
2	LOWER RECEIVER GROUP	UD8A0353	1
3	MAGAZINE 30 RND5	C80018	1
4	STOCK ASSEMBLY	C8A653	1
5	RECOIL SPRING GROUP	C8A401	1
6	BOLT CARRIER UNIT	UD8A0351	1
7	REAR SIGHT	C8A698	1
8	FRONT SIGHT	C8A699	1
9	BARREL ASSEMBLY 16"	UD8A0352	1
10	STOCK CARRIER PIN	C97235	1
11	UPPER RECEIVER	UD7A0304	1
12	UPPER PICATINNY RAIL	C5E780	1
13	SIDE PICATINNY RAIL	C5E670	2
14	RIGHT PICATINNY RAIL SPACER	C5F109	1
15	CONTROL PIN CAM	C5D140	1
16	HEXAGONAL INSERT	C95418	2
17	PICATINNY RAIL SCREW	C95431	8
18	LEFT PICATINNY RAIL SPACER	C5F108	1
19	BARREL FRONT GUIDE	C72850	1
20	POLYMER FRONT RING	C5F140	1
21	BARREL FRONT GUIDE LATCH	C5E833	1
22	BARREL CROSSBOLT	C72830	1
23	COVER	C5D143	1
24	BARREL CROSSBOLT BODY ASM	C8A015	1
25	BARREL CROSSBOLT BODY	C5D141	1
26	BARREL CROSSBOLT SPRING	C90376	2
27	BARREL CROSSBOLT SPRING GUIDE	C5D146	2
28	BOLT CARRIER ASSEMBLY	UD8A0349	1
29	BOLT CARRIER	UD5A1169	1
30	CONTROL PIN	C5D043	1
31	COCKING HANDLE	C5E112	1

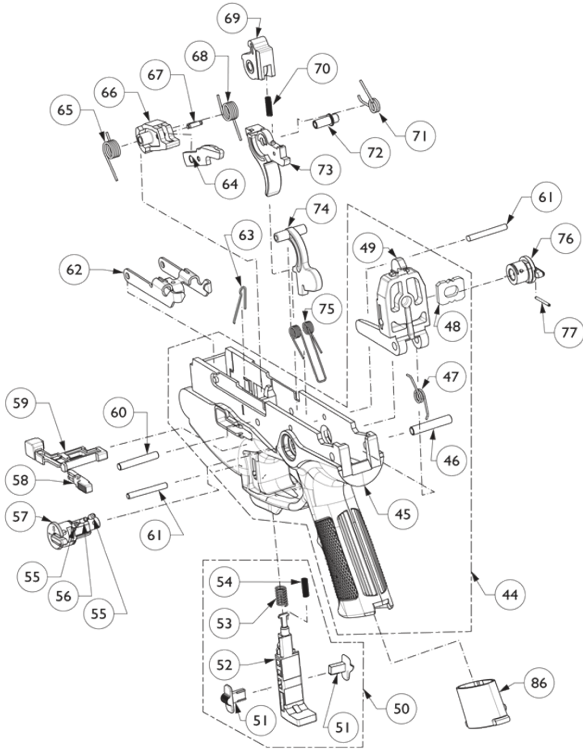






32	CONTROL PIN SPRING	C5D181	1
33	BOLT HEAD ASSEMBLY	UD8A0348	1
34	BOLT HEAD	UD5A1286	1
35	CAM PIN	C5D051	1
36	FIRING SPRING PIN	C90365	1
37	FIRING PIN	C5E264	1
38	EXTRACTOR/EJECTOR ASSEMBLY	C8A062	2
39	EXTRACTOR/EJECTOR	C5E856	2
40	EXTRACTOR/EJECTOR SPRING	C90532	4
41	SPACER	C5E858	2
42	EXTRACTOR BUSH	C5E857	2
43	SEEGER RING	C5E859	2
44	LOWER RECEIVER ASSEMBLY	UD8A0347	1
45	LOWER RECEIVER	UD5A1167	1
46	TAKEDOWN PLATE PIN	C5D074	1
47	TAKEDOWN PLATE SPRING	C5D084	1
48	EJECTOR SELECTOR	C5D075	1
49	TAKEDOWN PLATE	UD5A1163	1
50	SPRING BOLT RELEASE BUTTON ASM	UD8A0357	1
51	SIDE BOLT RELEASE BUTTON	UD5A1258	2
52	BOLT RELEASE BUTTON	UD5A1162	1
53	BOLT CATCH SPRING	C90369	1
54	BOLT RELEASE BUTTON SPRING	C90370	1
55	INDEX PIN	C5F046	2
56	FIRE SELECTOR SPRING	C90540	1
57	FIRE SELECTOR LEFT	UD5A1161	1
58	MAGAZINE RELEASE LEVER	C5D676	1
59	MAGAZINE RELEASE ASSEMBLY	C72855	1
60	HAMMER PIN	C92381	1
61	TRIGGER PIN	C92384	2
62	BOLT CATCH	C5D121	1







63	MAGAZINE CATCH SPRING	C5D017	1
64	HAMMER	C5E263	1
65	HAMMER SPRING LEFT	C5D081	1
66	HAMMER BODY	C5E484	1
67	HAMMER CROSS PIN	C92383	1
68	HAMMER SPRING RIGHT	C5D082	1
69	DISCONNECTOR	UD5A1166	1
70	DISCONNECTOR SPRING	C90372	1
71	TRIGGER SPRING	C5D083	1
72	TRIGGER TUBE	UD5A1165	1
73	TRIGGER	C78001	1
74	DROP SAFETY	C5D482	1
75	DROP SAFETY SPRING	C5D483	1
76	FIRE SELECTOR RIGHT	UD5A1164	1
77	FIRE SELECTOR PIN	C97273	1
78	BARREL 16"	UD5A1160	1
79	BARREL EXTENSION	C5F049	1
80	BARREL COTTER	C51328	1
81	GAS PISTON PIN	C97230	1
82	BARREL NUT	C5D035	1
83	BARREL GUIDE ASSEMBLY	C8B030	1
84	CRUSH WASHER	UD5A1157	1
85	FLASH HIDER	UD5A1254	1
86	GRIP BOTTOM COVER	UD5A1287	1





# BERETTA

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Beretta USA Corp.  
17601 Beretta Drive  
Accokeek, MD 20607  
Tel. (301) 283-2191  
[www.berettausa.com](http://www.berettausa.com)

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