BERETTA

A391
3.5 Xtrema

Manuale di Istruzione
Instruction Manual
Mode d'Emploi

ENGLISH

Illustrations on pages 31, 32, 33, 34

READ THIS MANUAL CAREFULLY BEFORE USING THE FIREARM.

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

NOTICE: 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 manufacturer's direct and immediate control.

* See paragraph “Ammunition”.

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.

NOTICE: As the interchangeable barrel of this shotgun has a serial number different from that stamped on the receiver, it may be necessary, when referring to the gun, to specify also the serial number of the barrel/s.

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.

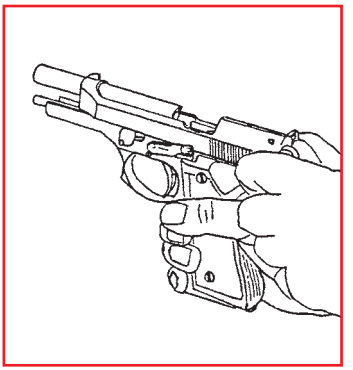
CONTENTS

BASIC SAFETY RULES

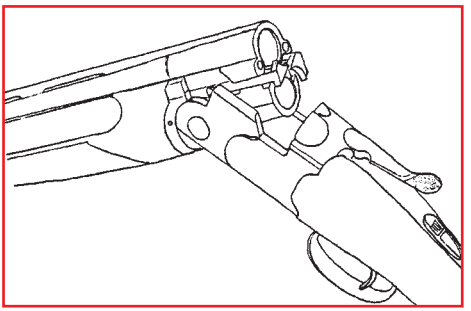
1. NEVER POINT A FIREARM AT SOMETHING THAT IS NOT SAFE TO SHOOT.

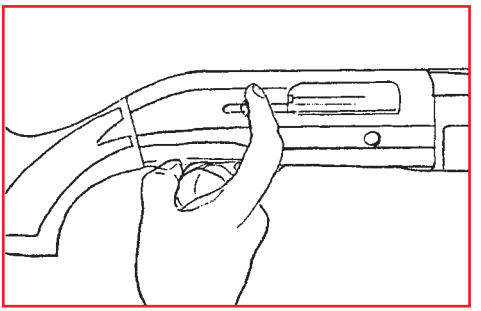
Never let the muzzle of a firearm point at any part of your body or at another person. This is especially important when loading or unloading the firearm. When you are shooting at a target, know what is behind it. Some bullets can travel over a mile. If you miss your target or if the bullet penetrates 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.



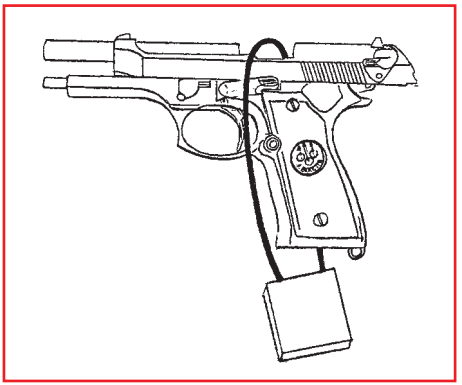
Never assume that a firearm is unloaded. **The only certain way to ensure that a firearm has the chamber empty is to open the chamber and visually examine the inside to see if a round is present. Removing the magazine will not guarantee that a firearm is unloaded or cannot fire.** Shotguns and rifles can be checked by cycling or removing all rounds and by then opening and inspecting the chamber and the magazine tube for any remaining rounds.

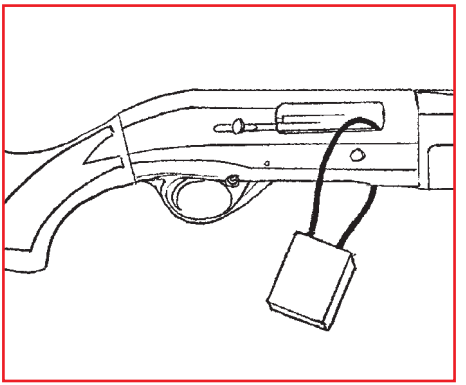




3. STORE YOUR FIREARM SO THAT CHILDREN CANNOT GAIN ACCESS TO IT.

It is your responsibility to insure that children under the age of 18 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. Steel gun safes 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 impurities which can prevent use of the gun in an emergency. Always check the barrel prior to loading to ensure that it is clean and free from obstructions. **Firing against an obstruction can rupture the barrel and injure yourself or others nearby.**
In case you hear an unusual noise when shooting, stop firing immediately, engage the manual safety and unload the firearm. Make sure the chamber and the barrel are free from any obstruction or possible bullet blocked 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 in the proper caliber or gauge and type for the particular firearm. The caliber or gauge of the firearm is clearly marked on the barrels of shotguns and on the slide or barrel of pistols. The use of reloaded or remanufactured ammunition can increase the likelihood of excessive cartridge pressures, casehead ruptures or other defects in the ammunition which can cause damage to your firearm and injury to yourself or others nearby.

8. ALWAYS WEAR PROTECTIVE GLASSES AND EARPLUGS 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 is severe, including the possible loss of eyesight. A shooter must always wear impact resistant shooting glasses when firing any firearm. Earplugs help reduce the chance of hearing damage from shooting.

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

Open and empty the chamber 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 obstruction. Never pull or push a loaded firearm toward yourself or another person.

10. AVOID ALCOHOLIC BEVERAGES OR JUDGMENT OR 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. If you carry a firearm for self-protection, leaving the chamber unloaded can reduce the chance of accidental discharge.

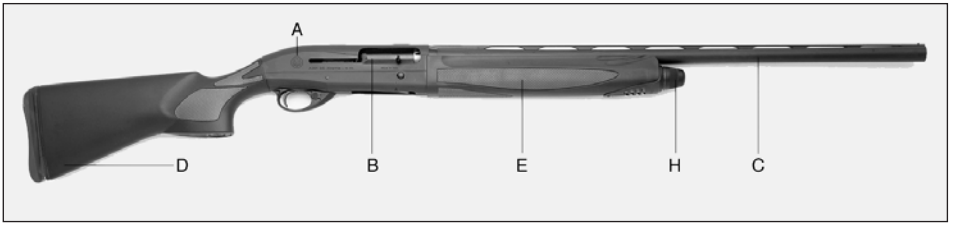
12. LEAD WARNING.

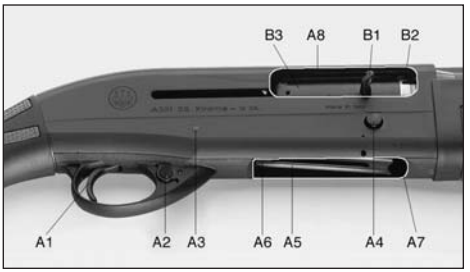
Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

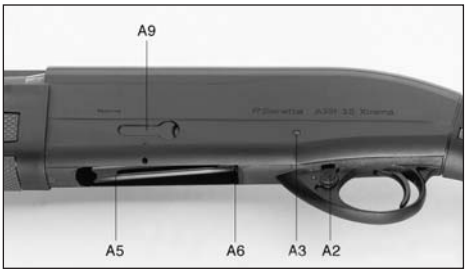
NOMENCLATURE

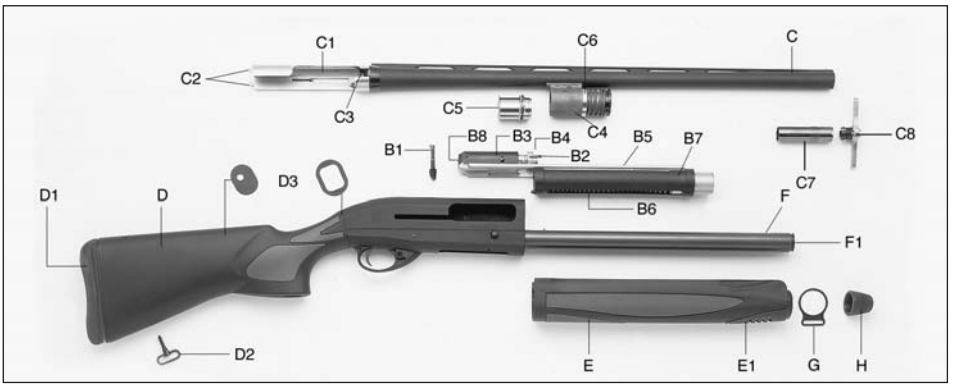
A Receiver
A1 Trigger
A2 Safety button
A3 Trigger plate retaining pin
A4 Breech bolt release-button
A5 Carrier
A6 Carrier stop push button
A7 Loading gate
A8 Ejection port
A9 Cut-off
B Breech bolt assembly
B1 Cocking handle
B2 Extractor
B3 Breech bolt body
B4 Locking head (2 lugs)
B5 Operating rods with sleeve
B6 Recoil spring
B7 Piston retaining sleeve
B8 Firing pin

C Barrel
C1 Barrel breech
C2 Indexing lugs
C3 Locking shoulders
C4 Gas cylinder
C5 Piston with elastic seal
C6 Exhaust valve assembly
C7 Optima-Choke® plus tube
C8 Spanner for choke tube
D Stock
D1 Gel•Tek recoil pad
D2 Stock swivel
D3 Drop/cast spacers
E Fore-end
E1 Fore-end flange with exhaust port
F Magazine tube
F1 Magazine tube cap
G Front swivel
H Fore-end cap









DESCRIPTION

The Beretta A391 3.5 Xtrema semi-automatic shotgun, 12 gauge, chambered for 3 1/2" (89 mm) shells, comes with the following features:

STREAMLINED RECEIVER DESIGN

The skilfully rounded receiver blends perfectly with the stock grip and it permits instinctive, rapid target acquisition. Impeccable balance makes this shotgun easy- and fast-handling.
The slim, fast-handling fore-end is ergonomically perfect and beautifully styled to confer to the Beretta A391 3.5 Xtrema a new appearance and distinctive character.
The matte black finish on all metal surfaces eliminates glare. Special inserts are overmolded on the gripping areas of the stock and fore-end to ensure a secure grip and to absorb recoil.

ROTATING BOLT

The A391 3.5 Xtrema features a rotating bolt with two locking lugs that engage the barrel tang. The barrel tang includes two indexing lugs and a large surface contact area with the receiver that minimize the barrel movement and improve accuracy. The operating rods are integral to the bolt body, ensuring that it is guided symmetrically and with minimal friction. The disassembly and reassembly of this unit is also simplified.

GAS OPERATION SYSTEM WITH EXHAUST VALVE

The unique gas operation system, patented by Beretta, with gas cylinder and self cleaning piston, is provided with a self cleaning exhaust valve which automatically vents the excess gases of the most powerful cartridges: the result is that the shotgun, without any adjustment, fires everything from the weakest 28 gr. (1 ounce, 3 1/4 dram equivalent) game load* to the heaviest 64 gr. (2 1/4 ounce) Super Magnum shotshell.
The exhaust valve assembly remains attached to the barrel, ensuring easy and quick assembly and disassembly of the shotgun.

* **NOTICE:** Due to the precision machined tolerances on your Beretta shotgun, some wear-in may be required before your new gun will function reliably with light 28 gram (1 ounce, 3 1/4 dram equivalent) game loads. If you experience any initial functioning problems with these one ounce loads, we recommend that you fire three or four boxes of standard field loads to allow for this break-in period.

BOLT TRAVEL RECOIL ABSORBER

The bolt travel recoil absorber is manufactured from an advanced elastomer that reduces the stress caused by the breech bolt's impact and simultaneously reduces the vibrations transmitted to the shooter. This also contributes to the shotgun's reliability and durability.

RECOIL REDUCTION SYSTEM

A spring-mass recoil-reduction system, located inside the stock, counters the rearward forces generated by shooting and greatly reduces the felt recoil.

TRIGGER PLATE

Constructed from high strength fiberglass-reinforced technopolymer, the trigger plate offers many advantages: self-lubrication to reduce maintenance, vibration absorption and thermal stability for improved “feel” in cold weather. The enlarged opening of the trigger guard allows the use of gloves.

CUT-OFF DEVICE

The cut-off control is positioned on the left side of the receiver: it can be engaged when the breech bolt is in the closed position with the use of one hand. If the cut-off is accidentally left engaged, automatic reloading after the first shot will disengage it.

OPTIMA-BORE® INTERNAL BARREL PROFILE

The Optima-Bore® internal barrel profile features an overbored diameter and lengthened forcing cone that considerably improves shot pattern distribution, felt recoil reduction and shot velocity optimization.

OPTIMACHOKE® PLUS EXTENDED CHOKE TUBES

The Beretta Optimachoke® Plus tubes feature a long, gradual constriction, internal profile formed to minimize shot deformation and to enhance the concentration and distribution of shot patterns. They are engineered to resist steel shot stress and corrosion.

STOCK

The stock is designed to allow the interchangeability of recoil pads without any adjustment. By assembling recoil pads of different thickness, one can modify the length of pull.

GEL•TEK RECOIL PAD

The A391 3.5 Xtrema is supplied with the Beretta Gel•Tek recoil pad. Its advanced technology construction consists of a soft yet scratch resistant and durable polymer shell and a recoil-absorbing silicone gel core. This non-toxic and inert gel distributes the recoil effect over the entire pad surface, reducing the felt recoil to the shooter. The gel is unaltered by time and temperature.

STOCK DROP AND CAST SPACERS

The design of the fiber-glass reinforced technopolymer receiver-stock spacer and of the stock metal plate allows one to adjust the stock drop and cast by simply modifying their assembly position. Different stock drop and cast dimensions can be obtained using extra set of spacers supplied.

MAGAZINE CAPACITY*

The magazine tube, which passes through the piston, is designed to allow more than the standard three rounds. Where it is legal, the standard capacity of 3+1 and 5+1 rounds (with magazine reducer removed) can be increased to 5+1 and 7+1 rounds with an optional magazine extension.

* Number of rounds in the magazine plus round in the chamber.

ACCESSORIES

The Beretta A391 3.5 Xtrema shotgun is supplied with a modern design case and a complement of accessories: stock drop and cast spacers, stock swivels, 25 ml. Beretta Gun Oil and, for Optimachoke® Plus versions, a set of choke tubes with special spanner.

NOTICE: There are numerous Beretta special parts and accessories that allow the personalization of your firearm. To request this extensive line of parts and accessories, please contact your local Beretta dealer.

TECHNICAL FEATURES AND DATA

Gauge	12
Barrel chamber	Universal, from 2 3/4" (70 mm) to 3 1/2" (89 mm)
Operation	Semi-automatic, gas operation with exhaust valve mounted on the barrel
Locking system	Breech bolt with rotating head
Receiver	Aluminum alloy with bolt travel elastomer recoil absorber
Barrel	Alloy steel, chrome-plated bore and chamber
Rib	Ventilated
Front sight	Metal bead
Safety	Cross bolt
Magazine capacity*	5 rounds maximum* - Plugged to 2.
Stock, fore-end	High strength fiber-glass reinforced technopolymer or selected walnut, checkered. Adjustable drop. Cast-off or cast-on.
Length of pull	370 mm - 14.56" (with standard recoil pad)
Weight approx.	3.600 Kg (7.9 Lbs.) (Technopolymer version) with recoil reducer 3.400 Kg (7.5 Lbs.) (Walnut wood version) with recoil reducer Weights are approximate, dependent on wood density and barrel length.

(*) The actual magazine capacity (four or five 2 3/4" shells, or four 3" shells or three 3 1/2" shells) is limited to two shots by hunting and firearm regulations in many countries and states.
With the optional magazine extension (where allowed by law), capacity increases to seven 2 3/4" shells, six or seven 3" shells or five 3 1/2" shells.

NOTICE: The numbers noted below refer to the photographs on pages

OPERATION

ASSEMBLING THE BARREL

The Beretta A391 3.5 Xtrema semi-automatic shotgun is packed from the factory with the barrel separate from the stock/receiver/fore-end assembly.

WARNING: Beretta assumes no responsibility for any injury or property damage resulting from improper or careless handling, intentional or accidental discharge of the firearm.

WARNING: All assembly, disassembly and maintenance procedures should be carried out with the firearm unloaded (magazine tube empty, receiver empty and cartridge chamber empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber.

WARNING: During the assembly, disassembly and maintenance procedures, never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

Assemble the barrel to the stock/receiver/fore-end assembly as follows:

CAUTION: If, for any reason, the breech bolt is open and the fore-end is separated from the stock/receiver assembly, avoid pressing the breech bolt release button and be careful to keep your fingers away from the ejection port.
Should the breech bolt release button be pressed in this condition, the breech bolt would slam forward and would stop only when the cocking handle hits the forward rim of the ejection port. This could damage both the handle and the receiver.

- Check the barrel. The bore and chamber must be clean and free from obstructions.
- Unscrew (counterclockwise) the fore-end cap from the stock/receiver/fore-end assembly. **(Fig. 1)**
- Pull the fore-end off the magazine tube. **(Fig. 2)**
- Ensure that the piston is positioned inside the barrel's gas-cylinder **(Fig. 3)**. If the piston is mounted on the magazine tube, please remove it and insert it in the barrel cylinder; gently squeeze the elastic seal with your fingers in order to facilitate the insertion of the piston into the cylinder. **(Fig. 4)**

- Check that the carrier stop push button is completely depressed. If not, depress it completely. **(Fig. 5)**
- Pull the cocking handle backward to bring the breech bolt in the OPEN position. **(Fig. 6)**

CAUTION: Should the breech bolt release button be pressed in this condition, the breech bolt would slam forward and would stop only when the cocking handle hits the forward rim of the ejection port. This could damage both the handle and the receiver.

- Partially slide the barrel into the receiver, taking care that the magazine tube enters the piston hole as well as that of the gas cylinder and the valve assembly. **(Fig. 7)**
- Slide the barrel home into the receiver. **(Fig. 8)**
- Slide the fore-end into place over the gas cylinder, valve assembly and magazine tube. Check that the fore-end is perfectly centered on the receiver face. The fore-end is correctly positioned when its rearward edge seats around the receiver. **(Fig. 9)**
- Place the front swivel ring (if desired) on the fore-end flange and completely tighten the fore-end cap **(Fig. 10)**. Ensure that the swivel is able to freely rotate on its axis.
- Close the breech bolt by depressing the breech bolt release button, keeping your fingers away from the ejection port. **(Fig. 11)**

CAUTION: While depressing the breech bolt release button to close the breech bolt, make sure that the cut-off is not inadvertently engaged. Should this occur, the breech bolt would be kept OPEN by the cut-off lever. In this case, always keeping your fingers away from the ejection port, close the breech bolt by operating the cut-off. **(Fig. 12)**

- Depress the trigger to lower the hammer.
- Engage the safety by pushing the safety button until the red ring disappears. **(Fig. 13-13/b)**

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

WARNING: Do not store firearms in places which are or could be accessible by children or other persons whose unfamiliarity with firearms might lead to unsafe use. Always store your firearms securely and unloaded, separate from ammunition. (See point 3 of the BASIC SAFETY RULES).

AMMUNITION

WARNING: Beretta assumes no responsibility for physical injury or property damage resulting from the use of defective, improper, hand-loaded, reloaded or remanufactured ammunition. Serious damage and injury, and even death, could result from the use of incorrect ammunition, from firing against bore obstructions and from propellant overloads.

The Beretta A391 3.5 Xtrema semi-automatic shotgun features a 3 1/2" (89 mm) chamber. You will find the markings for the gauge and chamber length for your shotgun on the side of the barrel. Every gun has been tested with special proof test ammunition.

WARNING: Never use cartridges that do not correspond to the markings on the side of the barrel.

WARNING: Use cartridges whose length corresponds or it is inferior to the chamber length indicated on the side of the barrel.

WARNING: To avoid use of improper ammunition, check markings on the cartridge box and on the cartridge itself to ensure that the correct gauge and length of shell is used for your firearm.

STEEL SHOT

The use of steel shot cartridges is not recommended in A391 3.5 Xtrema shotguns with fixed chokes. Beretta "SP" (Steel Proof) Optimachoke® Plus tubes are designed for use with factory steel shot cartridges loaded to standard specifications. The best results with Beretta "SP" choke tubes are obtained using open chokes (CL,IC,M). Use of tighter constrictions (IM, F) with steel shot does not increase pattern density and will distort normal pattern density associated with lead shot (i.e. "blown pattern").

Fixed Chokes & Beretta's Optimachoke® Plus Designations

Standard Markings	American Designation	Choke Tube Compatibility With Steel Shot	Extra Long Tube
0 (*)	F (Full)	SP (1)	I
00(**)	IM (Improved Modified)	SP (1)	II
000(***)	M (Modified)	SP	III
0000(****)	IC (Improved Cylinder)	SP	IIII
C0000(C****)	CL (Cylinder)	SP	IIIII

(1) Not recommended.
Optimachoke® is a registered trademark of Fabbrica d'Armi Pietro Beretta S.p.A.
Special Optimachoke® Plus chokes for different uses are available in selected markets.

LOADING THE FIREARM

WARNING: Before loading the firearm, practice the following loading procedures without the use of ammunition. Never handle a loaded firearm until you are fully familiar with the loading procedures. Before loading the shotgun, make sure that the safety is engaged. Always point the firearm in a safe direction. (See points 1, 2 and 4 of the BASIC SAFETY RULES).
Always check the barrel prior to loading to ensure that it is clean and free from obstructions.

WARNING: The shooter and bystanders must always wear eye and hearing protection. Particles of shot, lead, powder, lubricant, etc. may cause injury to persons. Hearing protection reduces the risk of hearing damage caused by exposure to shooting noise.

WARNING: Always keep your fingers away from the trigger and keep the trigger free from any contact when you do not intend to fire.

NOTICE: If the hammer is decocked and the safety is engaged, it is not possible to retract the breech bolt.

- Disengage the safety by pushing the safety button until the red ring appears. **(Fig. 14)**
- Check that the carrier stop push button is completely depressed. If not, depress it completely. **(Fig. 5)**
- Retract the breech bolt by means of the cocking handle until it hooks into the OPEN position. **(Fig. 15)**
- Engage the safety by pushing the safety button until the red ring disappears. **(Fig. 13-13/b)**

WARNING: When the safety button shows the red ring, the safety is disengaged and the firearm is in the FIRE position. **(Fig. 14)**

- Insert the first round into the barrel chamber through the ejection port. **(Fig. 16)**
- Depress the breech bolt release button to lock the breech bolt, keeping fingers away from the ejection port. **(Fig. 17)**

WARNING: The firearm is now loaded and, once the safety is disengaged, ready to fire. Always keep your fingers away from the trigger and keep the trigger free from any contact when you do not intend to fire. Never point the firearm at something that is not safe to shoot. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

NOTICE: The manufacturer assumes no responsibility for any injury or property damage resulting from improper or careless handling, intentional or accidental discharge of the firearm.

CAUTION: Should the breech bolt remains open, check that the cut-off is not inadvertently engaged. If it is, always keeping your fingers away from the ejection port, close the breech bolt by operating the cut-off button. **(Fig. 12)**

- Insert through the loading gate the other rounds by placing each round on the carrier and pressing it down and forward into the magazine tube until it engages the stop tooth. You should hear a distinct 'click' when the round engages the stop tooth. **(Fig. 18)**
- To fire, disengage the safety and pull the trigger.

WARNING: If the gun does not fire on a live cartridge when the trigger is pulled, activate the safety, wait one minute, then unload the firearm as described in the chapter " Unloading the firearm".

- When the last round has been fired, the breech bolt remains open, thus signalling that the magazine is empty. **(Fig. 19)**
- Engage the safety and, if required, reload the firearm as indicated.

USE OF THE CUT-OFF DEVICE

The cut-off device allows one to extract a live round from the cartridge chamber and lock the breech bolt open for safety or to replace the round in the chamber, without feeding a new round from the magazine.

WARNING: The firearm is now loaded with a cartridge in the chamber and the safety is engaged. Never point a firearm at something that is not safe to shoot. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

- Make sure that the safety is engaged.
- Engage the cut-off by depressing the cut-off lever (round side). **(Fig. 20)**
- Retract the breech bolt by means of the cocking handle to extract the live round from the cartridge chamber and eject it through the ejection port. At the end of its travel, the breech bolt is hooked into the OPEN position by the carrier which is locked by the cut-off device. Feeding from magazine is blocked. **(Fig. 21)**
- Under safety conditions, insert the extracted cartridge or another cartridge into the cartridge chamber.
- Keeping fingers away from the ejection port, depress the cut-off lever to close the breech bolt. **(Fig. 12)**

WARNING: The firearm is loaded and, once the safety is disengaged, ready to fire again. Make sure that the safety is fully engaged. Never point a firearm at something that is not safe to shoot. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

- To fire, disengage the safety and pull the trigger.

NOTICE: If the firearm is to function properly, it is recommended that the cut-off be used as described above. In particular, it must be remembered that the breech bolt, when held OPEN by the cut-off, can be closed only by operating the cut-off lever.

UNLOADING THE FIREARM

WARNING: The firearm is loaded and ready to fire. Always keep your fingers away from the trigger and keep the trigger free from any contact when you do not intend to fire. Never point a firearm at someone or at hard and flat surfaces. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

- Pointing the firearm in a safe direction, check that safety is engaged (red ring covered).
- Engage the cut-off **(Fig. 20)** and retract the breech bolt to extract and eject the chambered live round. **(Fig. 21)**
- Keeping fingers away from the ejection port, depress the cut-off lever to close the breech bolt. **(Fig. 12)**
- Pressing down the carrier and, at the same time, pushing against the cartridge in the magazine, depress the breech bolt release button to ease exit of the shells from the magazine tube. **(Fig. 22)**
- Check to ensure the magazine tube and receiver are empty. Disengage the safety. Be careful where you point the firearm, even though it might not be loaded.
- Depress the trigger to lower the hammer.
- Engage the safety by pushing the safety button until the red ring disappears. **(Fig. 13-13/b)**

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

DISASSEMBLY

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

BARREL

NOTICE: If the hammer is decocked and the safety is engaged, it is not possible to retract the breech bolt.

- Disengage the safety by pushing the safety button until the red ring appears. **(Fig. 14)**
- Check that the carrier stop push button is completely depressed. If not, depress it completely. **(Fig. 5)**
- Retract the breech bolt by means of the cocking handle until it hooks into the OPEN position. **(Fig. 15)**
- Unscrew (counterclockwise) the fore-end cap from the firearm and remove the front swivel, if mounted. **(Fig. 10)**
- With one hand hold down the barrel and with the other hand slide the fore-end off the magazine tube. **(Fig. 23)**
- Grasping the barrel and holding the piston inside the gas cylinder, slide the barrel forward off the stock/receiver assembly. **(Fig. 7)**
- Slide the piston off the gas cylinder. **(Fig. 24)**

CAUTION: NEVER DISASSEMBLE the valve spring or the valve spring retaining ring. The valve is self-cleaning and as such does not require maintenance. In case maintenance is required, please consult a competent gunsmith.

BREECH BOLT ASSEMBLY (Breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve) .

NOTICE: Disassembly of the bolt-receiver assembly is advisable only when it becomes necessary to clean its individual components. This may become necessary after 500-1000 shots, depending on ammunition used, or at the end of the season before the gun is to be stored for an extended period of time.

- Holding the cocking handle with the index or middle finger of the left hand, depress the breech bolt release button and allow the breech bolt to slide slowly forward until it stops. **(Fig. 25)**
- Press the bolt head until the index mark on its neck corresponds to the edge of the bolt body. **(Fig. 26)**
- Keeping the bolt head depressed in this position, remove the bolt handle by pulling it out. **(Fig. 27)**
- Holding the stock/receiver assembly on a table with the ejection port facing upward, slide the operating rods sleeve forward off the magazine tube to extract the breech bolt assembly from the receiver. **(Fig. 28)**

TRIGGER PLATE

NOTICE: Disassembly of the trigger group is advisable only when it becomes necessary to clean the trigger mechanism. This may be necessary after 500-1000 shots, depending on ammunition used, or at the end of the season before the gun is to be stored for an extended period of time.

- Engage the safety (the hammer is cocked).
- Check that the carrier stop push button is completely depressed. If not, depress it completely. **(Fig. 5)**
- Push out the trigger plate retaining pin by pressing it with a drift punch or other similar object. **(Fig. 29)**
- Keeping the breech bolt release button pressed, extract the trigger plate by pulling on the trigger guard with a forward and downward movement. **(Fig. 30)**

CAUTION: Further disassembly of the firearm is not recommended, unless carried out by a competent gunsmith.

NOTICE: Wholesalers, dealers or gunsmiths (unless they are a Repair Station authorized by the Manufacturer and/or by its Local Official Distributors) are not authorized to make any Warranty repair or adjustment on behalf of the Manufacturer.

OPTIMACHOKE® PLUS TUBES

Beretta Optimachoke® Plus screw-in choke tubes are made of high-grade steel for corrosion resistance and durability. They are designed to withstand the rigors of non-toxic steel shot.

WARNING: The barrel of your A391 3.5 Xtrema will only accept Optimachoke® Plus chokes.

Optimachoke® is a registered trademark of Fabbrica d'Armi Pietro Beretta S.p.A.

REMOVAL OF CHOKE TUBE

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter "Unloading the firearm". Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never look into the muzzle or change tube on a loaded gun, even with safety engaged.

- Unscrew (counterclockwise) the choke using the supplied spanner. **(Fig. 31)**
- Remove the choke from the muzzle. **(Fig. 32)**

CLEANING OF CHOKE TUBE AND CHOKE HOUSING

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never look into the muzzle or change tube on a loaded gun, even with safety engaged.

- Carefully clean the choke housing. If necessary, use a cotton patch coated with Beretta Gun Oil. Dry the choke housing using a soft patch.
- Check the choke to make sure it is perfectly clean inside and outside.
- Apply a thin coat of Beretta Gun Oil to the thread of the barrel and of the choke tube.

INSTALLATION OF CHOKE TUBE

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never look into the muzzle or change tube on a loaded gun, even with safety engaged.

WARNING: Check the choke to make sure it is not damaged.

- Check the choke and the thread of the barrel to make sure they are perfectly clean and lightly oiled.
- Insert the desired choke into the choke housing.
- Carefully hand screw the choke into the barrel clockwise. Using the Beretta spanner tighten the choke until it is fully bottomed into its recess in the barrel.
- Remove the spanner after tightening.

WARNING: Periodically check, under safe conditions (firearm unloaded with cartridge chamber empty, receiver empty, magazine tube empty and breech bolt in OPEN position) whether the choke is fully and tightly set into the barrel. If necessary, firmly tighten the choke, using the Beretta spanner, until it can be tighten no more. This tightening is needed to avoid damage to the barrel and to avoid propelling the choke out of the muzzle when the gun is fired, which may cause damage to the gun or injury to persons.

WARNING: Choke tube must be kept correctly tightened in the barrel at all times, even during storage and cleaning. Cleaning barrel with no choke tube in place can push dirt into the barrel thread, causing improper choke installation, rusting, or barrel obstruction.

WARNING: Never shoot choke barrel without using choke tube. Shooting without choke tube is very dangerous as debris could be trapped by the thread and create barrel obstructions. It may also cause erratic shot pattern and can damage the barrel's internal screw thread irreparably.
Do not alter or modify existing fixed choke Beretta barrel for the use of interchangeable choke tubes. The resulting wall thickness would be too thin to safely contain the pressure levels generated by shooting.

ROUTINE MAINTENANCE

When combustion residues, grease or dirt particles have accumulated in the action, clean and lubricate the firearm.
Cleaning and lubrication of the shotgun after use is the best guarantee for protection of parts against corrosion deriving from combustion residues and from use of the firearm in humid or saline environments.

At the end of the hunting or shooting day, perform the Routine Maintenance as indicated.

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter "Unloading the firearm". Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

WARNING: Excess oil and grease obstructing the bore even partially are very dangerous when firing and may cause damages to the shotgun and serious injury to the shooter and bystanders. Never spray or apply oil to the shotshells. Use lubricants properly: you are responsible for the proper care and maintenance of the firearm.

BARREL

- After use, thoroughly clean the barrel bore by passing a swab through it to remove combustion residues. If necessary, use a cleaning rod with bronze brush and/or a patch soaked in a bore cleaning solvent.
- Thoroughly clean the locking shoulders on the barrel breech.
- Pull a clean soft patch through the barrel bore.
- Lightly lubricate the barrel bore by pulling through it a soft clean patch treated with Beretta Gun Oil.
- Check the barrel and the cartridge chamber to ensure that they are clean and free from obstructions.

CAUTION: Do not apply excess oil: accumulation of oil attracts dirt which can plug the barrel and interfere with the functioning and reliability of the gun.

GAS CYLINDER, PISTON, MAGAZINE TUBE

CAUTION: Magnum cartridges and particularly Super Magnum shotshells produce a high amount of combustion gases. The particular composition of some Super Magnum shotshells' powder can generate a strong deposit of combustion residues. The parts of the shotgun which, coming into contact with the gases, are more affected by the combustion residues are the gas cylinder (inside), the piston with its elastic seal, and the magazine tube.

- Carefully clean the piston, the elastic seal and the magazine tube with a soft brush sprayed with Beretta Gun Oil.
- Ensure that the piston can freely move along the magazine tube.
- Carefully clean the inner side of the gas cylinder with a bronze brush sprayed with Beretta Gun Oil.
- When all combustion residues are removed, clean the inside of the gas cylinder with a soft cloth.

CAUTION: Do not oil these parts.

EXHAUST VALVE ASSEMBLY

NOTICE: NEVER DISASSEMBLE the compensating valve assembly. If this becomes necessary, please consult a competent gunsmith.

Every 500 – 1000 rounds (according to the type of ammunition used) and in any case at the end of the hunting season, before storing the shotgun, in addition to the Routine Maintenance, also perform the following Special Maintenance operations.

FORE-END FLANGE

- Carefully clean the fore-end flange exhaust valve port with a soft brush sprayed with Beretta Gun Oil. Carefully dry the flange with a soft cloth.

BREECH BOLT ASSEMBLY (Breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve). (Fig. 33)

- Thoroughly clean the parts with a small brush and Beretta Gun Oil.
- Carefully dry with a soft cloth and lightly oil the parts with Beretta Gun Oil.

TRIGGER PLATE

- Thoroughly clean the parts with a soft cloth.
- Lightly oil the metal parts and the trigger plate retaining pin.

RECEIVER

- Maintain as described for the breech bolt assembly. Carefully dry with a soft cloth and lightly oil the slide rails of the breech bolt inside the receiver.

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

REASSEMBLY

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

TRIGGER PLATE

- Operate in reverse order to what is described in the chapter “Disassembly” making sure that the hammer is cocked, the safety engaged and the carrier stop push button depressed.
- Insert the trigger plate retaining pin, ensuring that the trigger plate hole is centered on the receiver hole.

BREECH BOLT ASSEMBLY (Breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve).

- Holding the stock/receiver assembly on a table with the ejection port facing upward, slide the breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve on the magazine tube and partially insert the breech bolt into the receiver. **(Fig. 28)**
- Push the operating rod sleeve down until it seats against the receiver and the bolt body is inside the receiver.
- Press the bolt head until the index mark on its neck corresponds to the edge of the bolt body. **(Fig. 26)**
- Keeping the bolt head depressed in this position, push in the bolt handle until it snaps into place. **(Fig. 27)**

BARREL

- Check the barrel and the cartridge chamber to ensure that they are clean and free from obstructions.
- Insert the piston into the gas cylinder gently squeezing the elastic seal with your fingers in order to facilitate the insertion of the piston into the cylinder. **(Fig. 4)**
- Check that the carrier stop push button is completely depressed. If not, depress it completely. **(Fig. 5)**
- Pull the cocking handle backward to bring the breech bolt in the OPEN position. **(Fig. 6)**

CAUTION: Should the breech bolt release button be pressed in this condition, the breech bolt would slam forward and would stop only when the cocking handle hits the forward rim of the ejection port. This could damage both the handle and the receiver.

- Partially slide the breech barrel into the receiver, taking care that the magazine tube enters the piston hole as well as that of the gas cylinder and the valve assembly. **(Fig. 7)**
- Slide the barrel home into the receiver. **(Fig. 8)**
- Slide the fore-end into place over the gas cylinder, valve assembly and magazine tube. Check that the fore-end is perfectly centered on the receiver face. The fore-end is correctly positioned when its rearward edge seats around the receiver. **(Fig. 9)**
- Place the front swivel ring (if desired) on the fore-end flange and completely tighten the fore-end cap **(Fig. 10)**. Ensure that the swivel is able to freely rotate on its axis.
- Close the breech bolt by depressing the breech bolt release button, keeping your fingers away from the ejection port. **(Fig. 11)**

CAUTION: While depressing the breech bolt release button to close the breech bolt, make sure that the cut-off is not inadvertently engaged. Should this occur, the breech bolt would be kept OPEN by the cut-off lever. In this case, always keeping your fingers away from the ejection port, close the breech bolt by operating the cut-off. **(Fig. 12)**

- Depress the trigger to lower the hammer.
- Engage the safety by pushing the safety button until the red ring disappears. **(Fig. 13-13/b)**

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

WARNING: Do not store firearms in places which are or could be accessible by children or other persons whose unfamiliarity with firearms might lead to unsafe use. Always store your firearms securely and unloaded, separate from ammunition. (See point 3 of the BASIC SAFETY RULES).

CAUTION: It is recommended to store the firearm disassembled (barrel separate from the stock/receiver/fore-end assembly) in the supplied case. Before storage, always check the conditions of the gun and its case. Make sure that they are perfectly dry.
Moisture and water drops could cause damage to the shotgun.

MAGAZINE CAPACITY

The magazine tube capacity of the A391 3.5 XTREMA has been limited to two rounds by the application of a plug in order to comply with the sporting gun laws in force in many countries.
This plug, which is factory mounted, reduces the capacity of the A391 3.5 XTREMA to no more than three rounds (two in the magazine, one in the chamber).
In the countries where it is allowed, it is possible to increase the magazine capacity to 4/5 rounds (2 3/4" – 70 mm cartridges), 4 rounds (3" – 76 mm cartridges) or 3 rounds (3 1/2" – 89 mm cartridges).

NOTICE: Where allowed by law, an optional magazine tube extension may be purchased. This will increase the magazine capacity to 7 rounds (if using 2 3/4" shells), 6/7 rounds (if using 3" shells) or 5 rounds (if using 3 1/2" shells).

NOTICE: These operations must be carried out by a competent gunsmith.

NOTICE: Wholesalers, dealers or gunsmiths (unless they are a Repair Station authorized by the Manufacturer and/or by its Local Official Distributors) are not authorized to make any Warranty repair or adjustment on behalf of the Manufacturer.

STOCK DROP AND CAST MODIFICATION

The Beretta A391 3.5 Xtrema is factory set with a heel drop of 55 or 60 mm (2.16" or 2.36") and cast-off (right-handed shooters).

The components which determine the drop and the cast are:

① Receiver-stock spacer made of technopolymer, fiber-glass reinforced.
② Stock metal plate.

Both the spacer ① and the plate ② are designed to secure two different drops with cast-off or with cast on (for left-handed shooters) depending on how they are assembled. Other measures of stock drop can be obtained using the supplied extra set of spacers.

CHANGING THE STOCK DROP AND CAST SPACERS

NOTICE: The "DX" mark on the spacer and on the plate means "cast-off", the "SX" mark means "cast-on". The stock drop measures are in millimetres. The stock drop and cast of the spacer ① must always correspond to those of the metal plate ②.

NOTICE: Stock drop and cast modification must be carried out by a competent gunsmith.

NECESSARY TOOLS

- Screwdriver.
- Hexagonal tube spanner (13 mm).
- Torque wrench (suggested).

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter "Unloading the firearm". Lower the hammer on the unloaded gun by pulling the trigger.

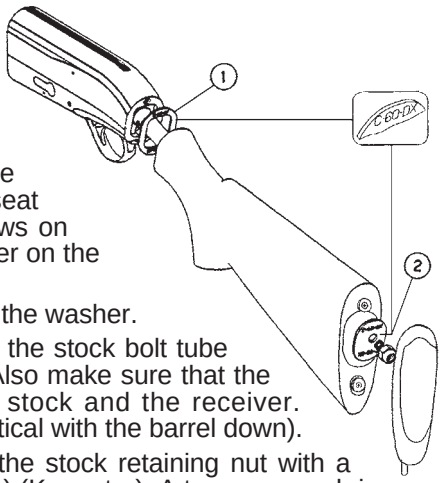
WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

WARNING: The improper observance of this procedure could cause damage to the shotgun and/or injury to the bystanders.

REMOVING THE GEL•TEK RECOIL PAD

- With a flathead screwdriver (approx. 4 mm/0.2”), pull out retaining clasp of the Gel•Tek recoil pad. **(Fig. 34)**
- Remove the Gel•Tek recoil pad. **(Fig. 35)**

STOCK DROP AND CAST MODIFICATION



- Disassemble the stock using the spanner and take off the spacers.
- Put the spacer ① around the stock bolt tube. Make sure that the spacer shows on the top the drop and cast wanted (“C-60-DX” in the drawing).
- Put the rear plate ② and the washer in the stock insert until the plate reaches its own seat in the stock. Make sure that the plate shows on the top the same drop and cast of the spacer on the top (“C-60-DX” in the drawing).
- Use the screwdriver to center the plate and the washer.
- Assemble the stock, making sure to locate the stock bolt tube through the rear plate ② and the washer. Also make sure that the front spacer ① is centered between the stock and the receiver. (During this operation keep the shotgun vertical with the barrel down).
- Using the spanner, screw on and tighten the stock retaining nut with a torque of about 1.6/1.8 Kgm (11.6/13.0 Ftlb) (Kg meter). A torque wrench is useful for this purpose.

REASSEMBLING THE GEL•TEK RECOIL PAD

- With a flathead screwdriver (approx. 4 mm/0.2”), pull out retaining clasp of the Gel•Tek recoil pad. **(Fig. 35)**
- Place the pad on the stock and make sure that all bushings are placed in the proper holes. **(Fig. 34)**
- While securely pushing the pad against the stock, push retaining clasp back, until it disappears in the pad assembly. Be sure that the pad fits flush to the stock without movement. **(Fig. 36)**

REPLACEMENT OF THE RECOIL PAD

The standard Gel•Tek recoil pad can be replaced with other Beretta recoil pads of different thickness and material (optional). By assembling recoil pads of different thickness it is possible to modify the length of pull.

NOTICE: This operation must be carried out by a competent gunsmith.

REPLACING THE GEL•TEK PAD WITH A CONVENTIONAL RECOIL PAD

- With a flathead screwdriver (approx. 4 mm/0.2”), pull out retaining clasp of the Gel•Tek recoil pad. **(Fig. 34)**
- Remove the Gel•Tek recoil pad. **(Fig. 35)**
- Unscrew and remove the retaining screws and their bushings from the buttstock, using a Phillips-head screwdriver.
- Pressing the conventional recoil pad firmly against the buttstock, insert the screws through the recoil pad and into the buttstock’s pre-drilled holes and tighten them with a Phillips-head screwdriver. It is advisable to oil the screwdriver head in order to facilitate its entry into the rubber material of the pad.
- Tighten the screws.

REPLACING A CONVENTIONAL RECOIL PAD WITH A GEL•TEK RECOIL PAD

- Unscrew and remove the retaining screws with a Phillips-head screwdriver and detach the recoil pad from the buttstock. It is advisable to oil the screwdriver head in order to facilitate its entry into the rubber material of the pad.
- With a flathead screwdriver (approx. 4 mm/0.2”), pull out retaining clasp of the Gel•Tek recoil pad. **(Fig. 37)**
- Insert bushings in their lodgings in the stock insert and securely tighten all screws using a properly sized Phillips-head screwdriver. **(Fig. 35)**
- Place the pad on the stock, and make sure that all bushings are placed in the proper holes. **(Fig. 34)**
- While securely pushing the pad against the stock, push retaining clasp back, until it disappears in the pad assembly. Be sure that the pad fits flush to the stock without movement. **(Fig. 36)**

WARRANTY AND EXTENSION OF THE WARRANTY REPAIR PERIOD

The Warranty and extension of the Warranty repair period is packed with your new Beretta firearm. Please refer to the WARRANTY and the instructions given on it in case Warranty service is required.

NOTICE: Wholesalers, dealers or gunsmiths (unless they are a Repair Station authorized by the Manufacturer and/or by its Local Official Distributors) are not authorized to make any Warranty repair or adjustment on behalf of the Manufacturer.

NOTICE: The Warranty is effective only for the original retail purchaser of the firearm.

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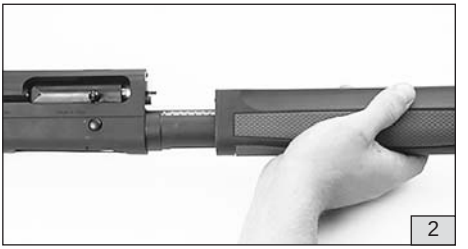
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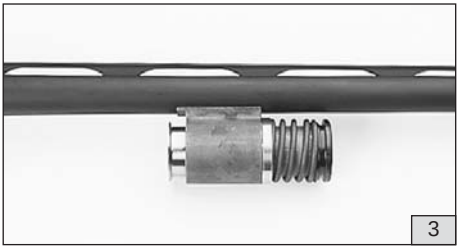
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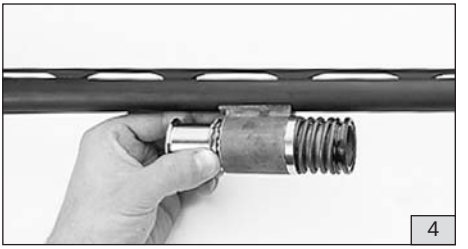
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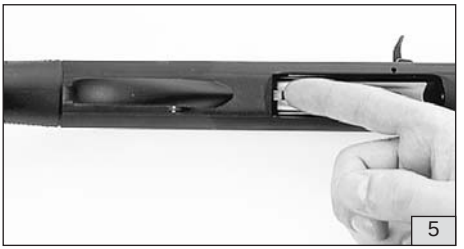
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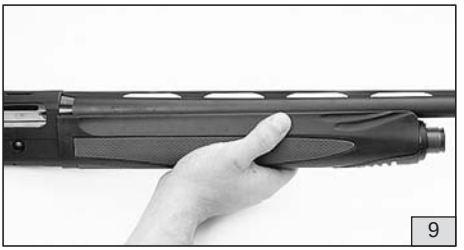
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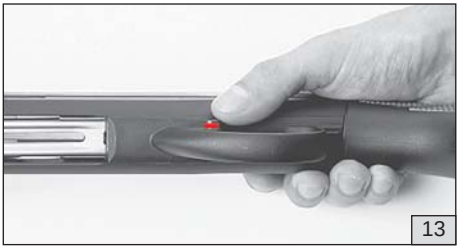
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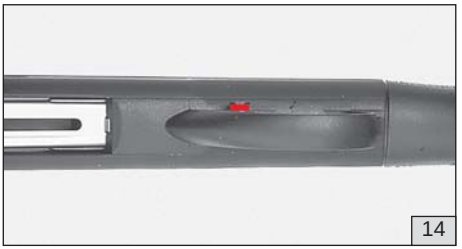
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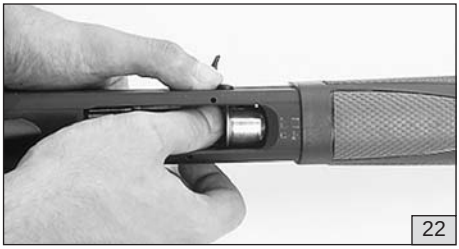
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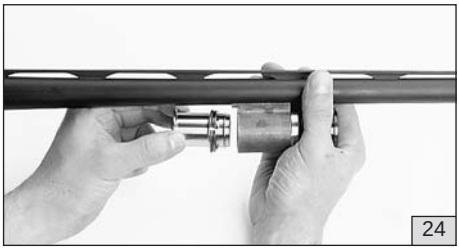
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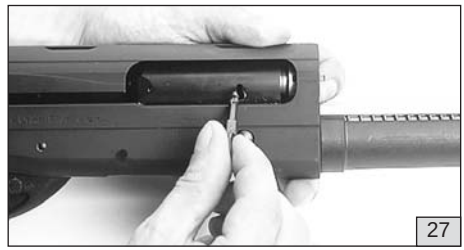
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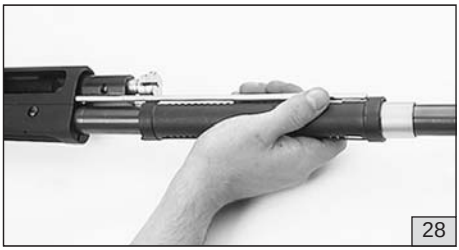
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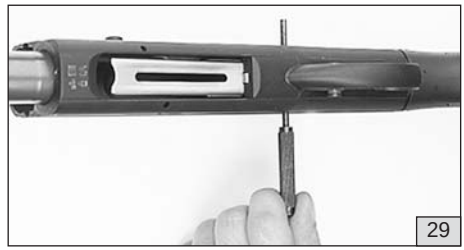
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Le illustrazioni e descrizioni di questo opuscolo si intendono fornite a titolo indicativo. La Casa si riserva pertanto il diritto di apportare ai suoi modelli, in qualsiasi momento e senza preavviso, quelle modifiche che ritenesse utili per migliorarli o per qualsiasi esigenza di carattere costruttivo e commerciale.

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 notice, any changes it thinks necessary to improve its models or to meet any requirements of manufacturing or commercial nature.

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