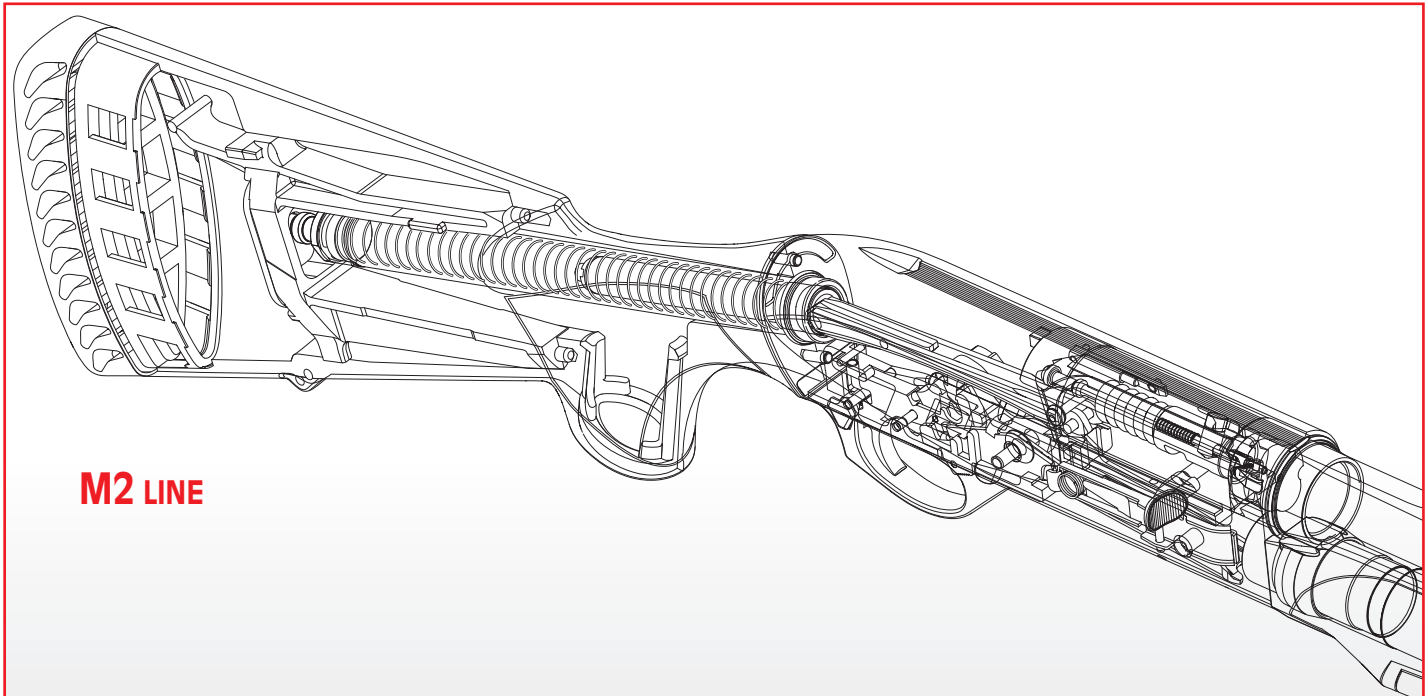
M2 LINE

Benelli



M2 LINE

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Index

UNLESS YOU ARE GIVEN SEPARATE AND SPECIFIC INSTRUCTIONS, THE TEXTS AND ILLUSTRATIONS CONTAINED IN THIS OWNER'S MANUAL ALWAYS REFER TO THE RIGHT-HAND GAUGE 12 VERSION OF THE SPECIFIED SHOTGUN.

Data subject to modification without notice.

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.

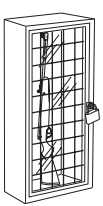
1. NEVER POINT A FIREARM AT SOMETHING THAT IS NOT SAFE TO SHOOT.

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 empty is to open the chamber and visually and physically examine the inside to see if a round is present.
Removing or unloading the magazine will not guarantee that a firearm is unloaded or cannot fire. Shotguns and rifles can be checked by 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 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. 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 impurities which can prevent use of the gun in an emergency. Before loading your firearm, always check the barrel internal part and the chamber 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 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, 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 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 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 OBSTRUCTION WITH A LOADED FIREARM.

Open and empty the chamber of your firearm and engage the manual safety catch 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 the firearm, visually and physically check to see that the magazine, loading mechanism and chamber are unloaded and that the bolt is open before handing the firearm to another person.
Never take a firearm from another person unless it is unloaded, visually and physically 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. Wash hands thoroughly after exposure.

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.

Introduction

Benelli Armi S.p.A. is proud to introduce the line of semi-automatic shotguns, a result of painstaking work at Benelli's Research and Development Center and of Benelli's extensive experience in precision engineering and technical know-how.

The small number of components, an extremely simple operating principle, the innovativeness of the turning block bolt locking system and the new cartridge feeding system (cut off), make the "Benelli" shotguns highly reliable and practical, easy to strip and upkeep to the extent that the shotguns can be considered the most modern, accurate, safe, fast and elegant shotguns available today.

Operation

Benelli semi-automatic shotguns operate on the same basic principle of **inertial operation with fixed barrel,** utilizing the kinetic energy of gun recoil, **which still today represents one of the most important and ingenious innovation of sporting weapon production.**

This systemt requires no outlet for gas operation nor barrel recoil, but operates by means of a spring freely interposed between locking head and bolt.

As the gun recoils during firing, the breech bolt (inert) moves about 4 mm forward, thus compressing the spring. When this is fully compressed, it overcomes breech bolt inertia, thrusting it to the rear under residual pressure, permitting cartridge case extraction and reloading with the conventional system.

Spring pressure is designed to delay the opening of the action, which occurs after the shot has left the barrel, and to compensate for the different pressures produced by cartridges of varying power, with no adjustment necessary.

The fully automatic operation of this new shotgun eliminates the drawbacks of the barrel recoil system (barrel vibrations during firing needed to brake the system and regulate it when firing powerful ammunition etc.) and those of gas operated type (the need to clean gas outlets, loss of power due to acceleration of the shot charge and adverse effect on the longitudinal shape of the wad and possible malfunctions under adverse climatic conditions).

The Benelli system is therefore modern and highly reliable.

To this operating system has been added a **revolving bolt head of simple and robust shape**, which with only two locking lugs, closes the breech axially and perfectly, withstanding any pressure of the cartridge.

The modern and revolutionary trigger action is carried out through **a system of variable profile** which allows the user to shoot precisely and without jerking in trigger pull.

The pull action is carried out in a smoothly and controlled way, **without trigger slack or sudden relax** after releasing the hammer, thus ensuring **efficacy and safety** of the whole system.

Finally, **the precise synchronization** of the movement of the hammer double coupling teeth optimise the feeding system through a combined action with the cartridge drop lever and the stop notch.

The cut-off feeding system operates by means of a special "cartridge drop lever", the outer portion of which protrudes below the receiver and is thus easily reached by the trigger finger.

Upon shooting, the hammer spring forces the cartridge drop lever upwards to disengage it from the carrier latch which, pulled by the carrier latch spring, rotates clockwise to allow a cartridge to exit from the magazine.

As the cartridge falls into position on the carrier, it presses against the "cartridge drop lever" which rotates in the opposite direction to prevent a second cartridge from exiting.

When the bolt is operated the carrier rises automatically to position the cartridge for introduction in the chamber.

In the meantime, the hammer spring, which was compressed during cocking, has freed the cartridge drop lever to return to its rest position. In this way, the carrier latch holds the remaining cartridges in the magazine until the next shot is fired.

The end of the cartridge drop lever which protudes from the receiver is marked with a red point. When the red point is visible, the hammer is cocked and the gun is ready to fire; otherwise the hammer is not cocked.

Thanks to this operation cartridges in the barrel chamber can be easily replaced manually.

The shotgun can operate with **a wide range of cartridges,** thanks to the high degree of performance being acquired. The inertial system requires, however, a minimum of kinetic energy, which is necessary to achieve a normal cycling of ammunition.

Extensive testing in ballistics labs and repeated field testing of our line produced weapons put at **230 kgm** the lowest level of kinetic energy that must be generated by the cartridge **12 gauge** and at **190 kgm for 20 gauge** to fully cycle the action (values measured by manometric barrel at 1 m from the muzzle).

Assembly
(from packaged gun)

Components of the package (fig. 1):

a) **stock-receiver-bolt-fore-end** unit
b) **barrel-breech** unit

WARNING: please remember to remove the **plastic barrel sheath** before using the firearm (fig. 2).

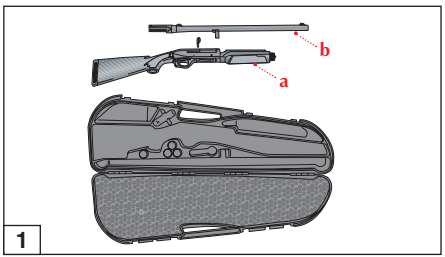
Assembly procedure

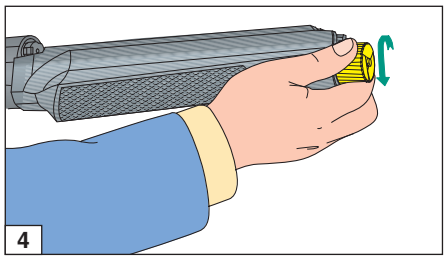
1) Insert completely the **cocking lever** into the breech bolt unit (fig. 3).
2) Unscrew the **fore-end cap** and remove from the magazine tube (figs. 4-5).

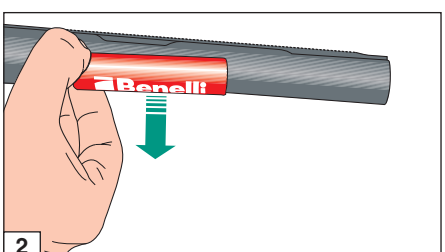
*For models equipped with short tube magazine **plus magazine tube extension** (magazine tube in two pieces), the extension magazine tube is coming off together when unscrewing the fore-end cap.*

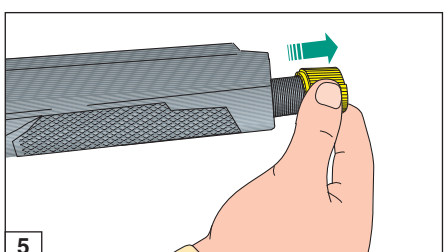
NOTE: before proceeding, you must read and follow the instructions **"Magazine tube extension".**

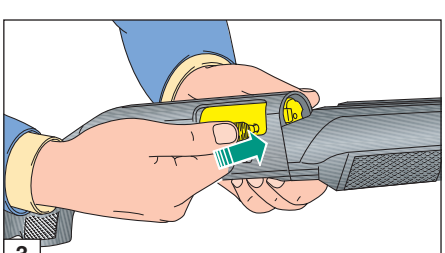
3) Slide the **fore-end** off the magazine tube (fig. 6).

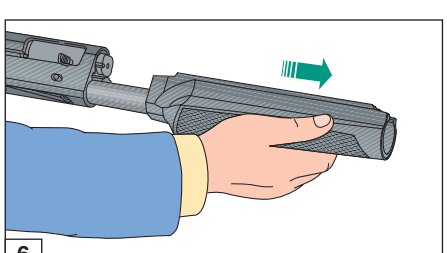












4) **Remove the red plastic bolt clip** from its seat in the receiver (fig. 7).

NOTE: the red plastic clip **is used to retain the bolt during shipping only. It must not be reinstalled on the gun.**

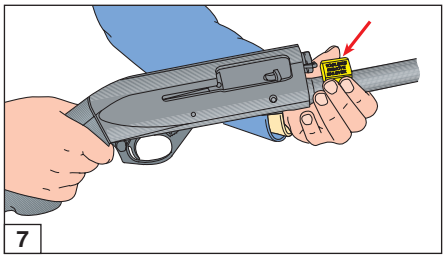
5) Take the **stock-receiver-bolt unit** with a hand; with the other hand, using the cocking lever, bring the **bolt** into open position (until locked) (fig. 8).

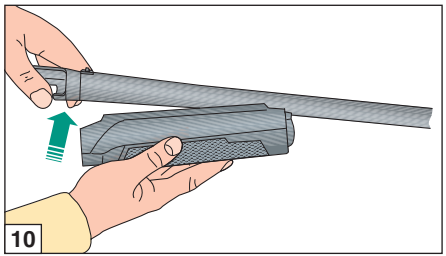
WARNING: should the bolt **fail** to engage, **move the cartridge drop lever** as arrowed and repeat the operation (fig. 9).

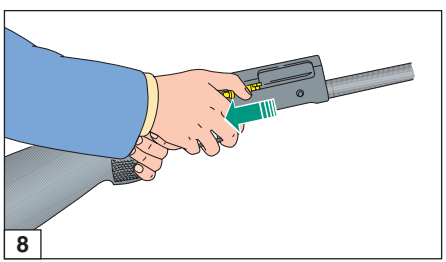
*During the following operations the **bolt group** should be completely assembled and placed **in the receiver**, **in open position** (backward).*

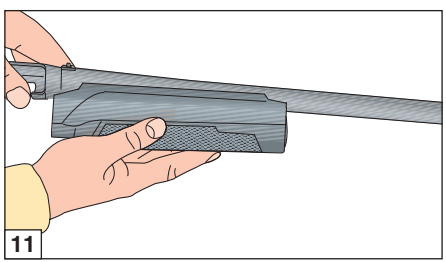
6) Install the fore end on the **barrel-breech** unit. The fore end must first be slid over the barrel guide ring (fig. 10) and then snapped onto the barrel (fig. 11).

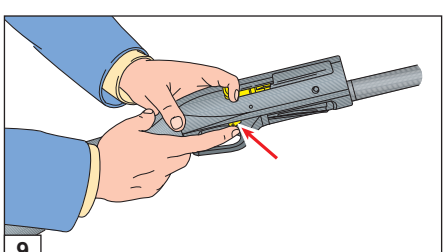
7) Take the **stock-receiver-bolt** unit with one hand and with the other hand take hold of the previously formed **barrel-breech-fore-end** unit.
Fit the breech extension onto the receiver by sliding the fore-end along the magazine tube (fig. 12).

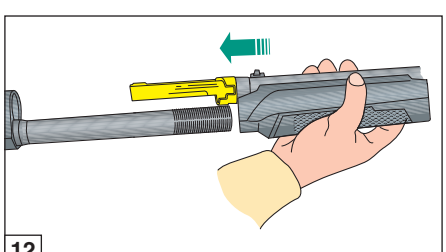












8) As the barrel **extension** nears the bolt group, carefully align the barrel extension (sight) with the top of the protruding bolt head.

9) With the barrel **extension** resting on the bolt head, and the **bolt head** fitting into the recess formed into the barrel extension, slip the barrel into receiver. A metallic click will indicate the barrel is correctly seated (fig. 13).

NOTE: inserting the breech **extension** on the receiver be sure that it does not strike against the bolt locking head.

10) Screw the fore-end fastening **cap** on the tubular magazine and **fastening** the whole barrel-breech-fore-end unit tightly (fig. 14).

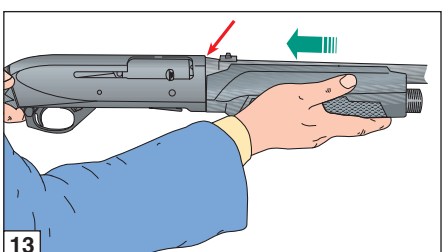
*For models equipped with short tube magazine **plus magazine tube extension** (magazine tube in two pieces), the extension magazine tube is put on off together when screwing the fore-end cap.*

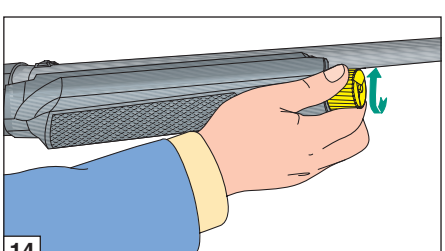
NOTE: before proceeding, you must read and follow the instructions **"Magazine tube extension".**

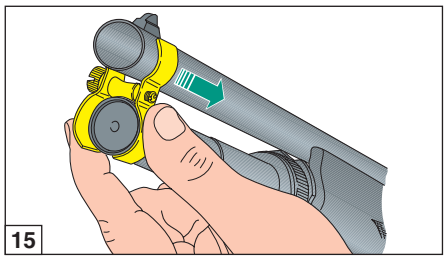
11) Insert the barrel-magazine tube **retaining ring** (fig. 15) (for long or extended magazine tube only) over the magazine tube and install in the associated seat. Secure the ring in seat by tightening the associated screw (fig. 16).

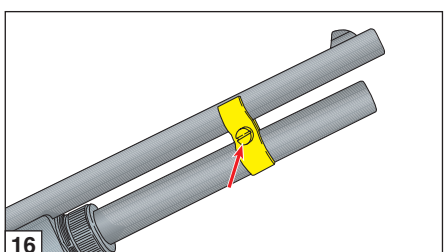
NOTE: during installation, expand the retaining ring slightly so that it can be inserted over the magazine tube **without binding.**

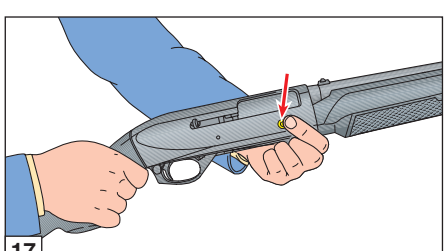
12) Close **the bolt** by pressing the special carrier control **button** (fig. 17).











Gun safety catch

Press the **safety button** on the trigger guard until its **red ring**, indicating firing position, **is no longer visible** (figs. 18-19).

Loading

Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

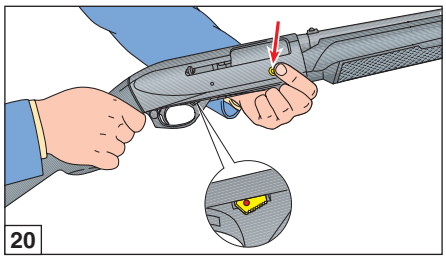
NOTE: make sure that your firearm is fitted with a magazine tube containing a number of cartridges permitted by legislation in the country where you intend to use it.

Loading procedure

NOTE: make sure that the shotgun **safety catch** (see "Gun safety catch") is engaged and the **hammer cocked** (so that the carrier latch can retain the cartridges as they are inserted in the magazine).

WARNING: for safety reasons, **check** if by opening the bolt the shotgun **is unloaded.** Then **close** the bolt **again.**

1) The **red dot** on the cartridge drop lever (indicating that the **hammer is cocked**) (fig. 20) must be **clearly visible**. To bring lever to this position, press the carrier **button** and open the **bolt** by hand, then bring it to close position again (fig. 21).
2) With the bolt closed and the hammer cocked, reverse the gun **pointing the barrel downwards**.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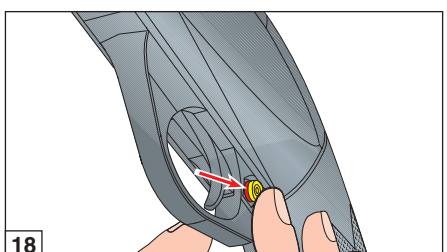
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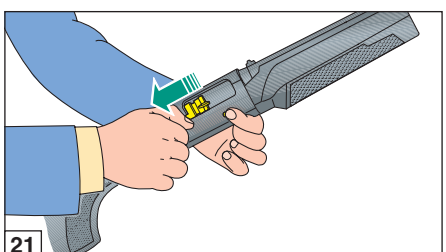
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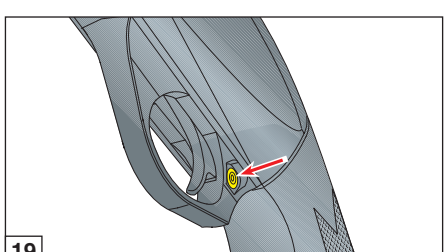
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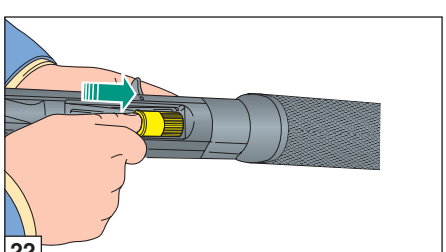
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3) **Insert a cartridge** into the magazine (fig. 22): push it until it is retained by the carrier latch which engages automatically (fig. 23).
Repeat the operation until the magazine is fully loaded.

NOTE: the gun must be loaded with the **hammer cocked** so that the carrier latch can retain the cartridges as they are inserted in the magazine.

Now the gun cannot be fired unless a **cartridge is placed in the barrel**, following the relative procedure:

1) **Open the bolt** and at the same time insert a cartridge into the barrel through the case ejection port (fig. 24).
2) **Release the cocking lever**: the bolt will push the cartridge on the carrier into the chamber and stop in the closed position (fig. 25).

NOTE: during this operation, always **point the gun in a safe direction**, even though the safety catch is engaged (see "Gun safety catch").

Now the **gun is loaded**: when the safety catch is moved to firing position (**red ring visible**), the gun is ready for use.

Cartridge replacement

(This operation must be carried out with the gun safety catch engaged - see "Gun safety catch" and barrel pointed in a safe direction)

To replace a cartridge in the chamber, two procedures can be followed:

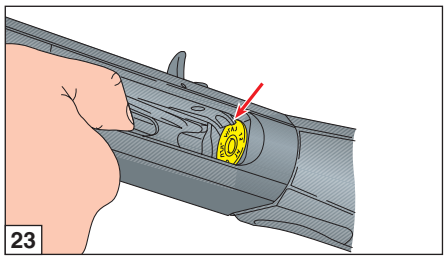
A) by manual replacement of a new cartridge;
B) by using the cartridge drop lever.

A) manual replacement (when the cartridge is not coming from the magazine)

1) Rest the stock on your hip and pull the cocking lever to open the **bolt**: the cartridge in the chamber is extracted and ejected from the gun (fig. 26).
2) Insert a new cartridge even partially in the barrel through the special ejection window (fig. 24) and release the cocking lever to close the bolt again.

B) using the cartridge drop lever (when the cartridge is coming from the magazine)

1) Rest the stock on your hip and pull the cocking lever to open the **bolt**: the cartridge in the chamber is extracted and ejected from the gun (fig. 26).
2) Press the **cartridge drop lever** and release the cocking lever to close the bolt again. In this way, the cartridge will pass quickly from the magazine to the chamber.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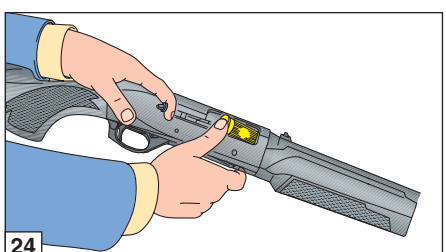
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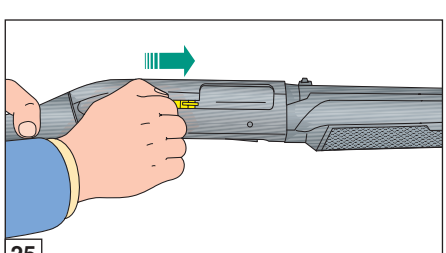
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Unloading

(This operation must be carried out with the gun safety catch engaged - see "Gun safety catch" and the barrel pointed in safe direction)

To unload the shotgun, proceed as follows:

1) **Engage the safety catch** and pull the cocking lever to open the bolt (fig. 24): the cartridge in the chamber is extracted and ejected (fig. 26).
2) Gently release the cocking lever to close the breech block (fig. 25).
3) Reverse the gun, and, thrusting the carrier down, press the cartridge retaining lever from the front with the hand index finger (fig. 27).
4) The cartridges will be released one by one into your hand (fig. 28); the carrier latch must be pressed for each released cartridge.

WARNING: gun can be unloaded by repeating the operation, as described under point B of the chapter: **"Cartridge replacement".**

Troubleshooting

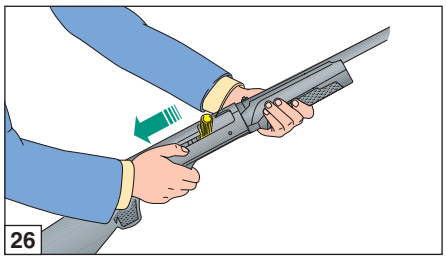
Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

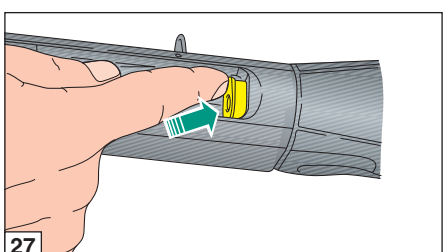
The gun fails to fire

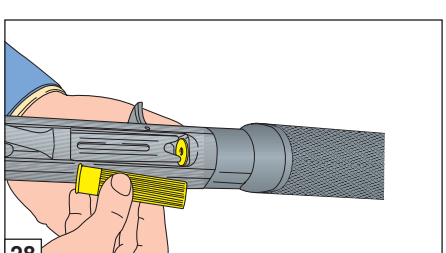
1) **Check the safety catch:** if it is engaged, push the button to the fire position.
2) **Check that there is a cartridge in the barrel.** If necessary, insert a cartridge following the loading instructions (page 9).
3) **Check the firing mechanism.** If necessary, clean and lubricate it.

Fore-end cap

Especially after the first rounds, check that the fore-end **cap** is firmly tightened, to **keep the barrel firmly** against to the receiver.







Ammunition

The Benelli semi-automatic use the kinetic energy generated by the recoil to work the action.

Use always ammunition that is powerful enough to fully cycle the action.

WARNING: when your shotgun is new and before beginning to use it normally, a breaking-in period may be required before your new gun works perfectly with light target loads. If you experience any initial functioning problems, we recommended firing three or four boxes of **standard hunting cartridges.**

Choice of ammunition

Correct functioning of the shotgun is only guaranteed with cartridges of a maximum length of **58 mm** (2" 3/4 - 70 mm chamber) or **66 mm** (3" - 76 mm chamber). The shotgun accepts cartridges with rolled turnover or crimped closures, and with lead or steel shot.

Benelli recommends use of shot loaded ammunitions for ribbed barrels and balls for slug barrels.
This is not mandatory but will ensure top-notch performance.

CAUTION: never use cartridges with a case **longer** than the chamber.

Non-compliance to this rule would have serious consequences for both the shotgun and the shooter.

No adjustment to the shotgun is necessary to fire any of the ammunition listed above.

Always use ammunition that is powerful enough to fully cycle the action (see "Operation" paragraph, page 4).

All Benelli shotguns are subjected to a 1370 bar burst test at the Italian National Proof House in Gardone Valtrompia (Brescia).

Maintenance

Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

Thanks to its extreme simplicity and excellent materials, the Benelli Automatic Shotgun **requires no** special maintenance.

The following few controls **are recommended:**

1) normal cleaning of the **barrel** after use;
2) the firing mechanism, consisting of hammer, trigger, etc., may become clogged with **any powder residuals** (or foreign matters). Remove them by periodical cleaning or lubrication;
3) the **bolt assembly** may also become clogged with the same residuals over mentioned and therefore must be periodically dismantled, cleaned and lubricated;
4) to keep the gun in good order, oiling of the **parts subject** to atmospheric corrosion is recommended.

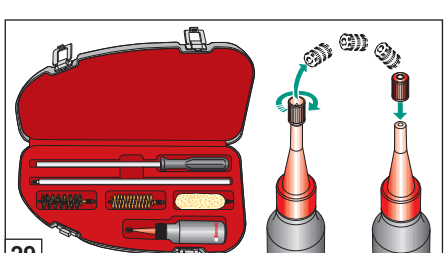
NB: all barrels are internally **chromium plated.**

NOTE: for maintenance of the choke and relative seat, carefully read the instructions in the "Internal choke" paragraph, page 23.

For a proper maintenance of your firearm, **use Benelli cleaning kit** *(not supplied).*

Benelli oil is recommended for lubricating and protecting mechanical parts (receiver, bolt and barrel) (fig. 29).

Benelli recommends use of specific products for cleaning other parts (wooden, technopolymer and camouflage or painted stock and fore-end). Avoid that parts get in contact **with oils containing solvents or chemical substances in general, which could alter or damage their surfaces.**


29

Shotgun stripping

(for cleaning and maintenance)

Before starting any operation on your shotgun, make sure that the chamber, carrier and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

Stripping procedure

1) Slacken the screw and remove the barrel-magazine tube retaining ring (fig. 16) from its seat on the magazine tube (only in versions equipped with long magazine tube or with magazine tube extension).

NOTE: during removal, expand the retaining ring slightly so that it can be slid over the magazine tube without binding.

2) Unscrew the fore-end **cap** and remove from magazine tube.

*For models equipped with short tube magazine **plus magazine tube extension** (magazine tube in two pieces), the magazine tube extension comes off simultaneously when unscrewing the fore-end cap.*

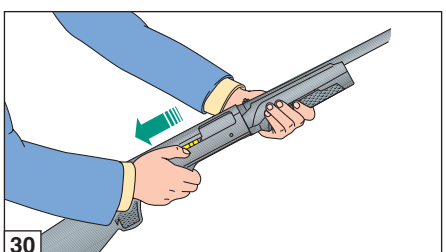
NOTE: before proceeding, you must read and follow the instructions **"Magazine tube extension".**

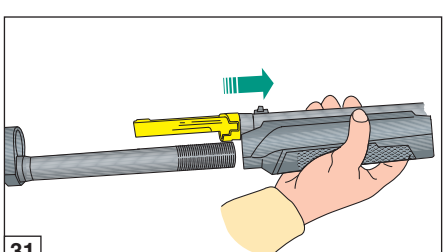
3) Take the gun in one hand and with the other open the **bolt** (fig. 30); should the bolt fail to engage, move the **cartridge drop lever** as arrowed and repeat the operation.

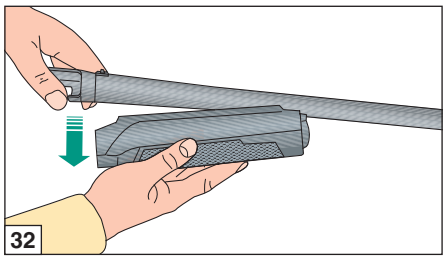
4) Keeping a grip on the shotgun with one hand, with the other take hold of the **barrel-fore end unit** and detach it completely from the receiver by pulling it forward and making it slip off the magazine tube (fig. 31).

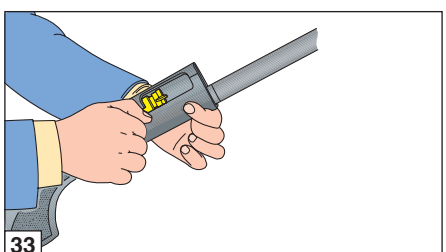
5) Separate the fore-end from the **barrel-breech** unit, by slipping it out of the barrel guide ring (fig. 32).

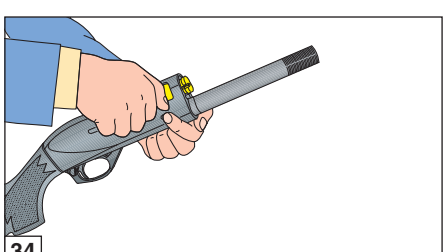
6) Take a firm hold of the **cocking lever** and simultaneously **press** the **carrier button**, thus allowing the bolt to move slowly forward until it stops (figs. 33 and 34).











7) Pull the **cocking lever** off with a firm tug (fig. 35).

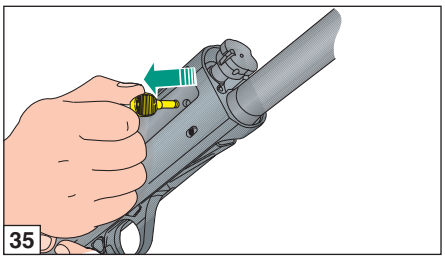
8) Pull the **bolt assembly** out of the receiver, sliding it along its guides (fig. 36).

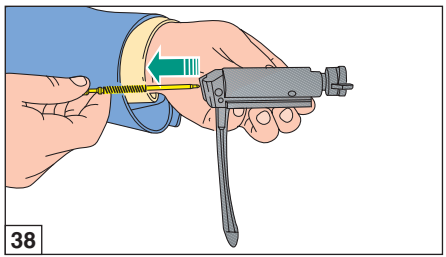
9) Remove the **firing pin retaining pin** from the bolt assembly, while **holding** the firing pin and firing pin spring in place (fig. 37).

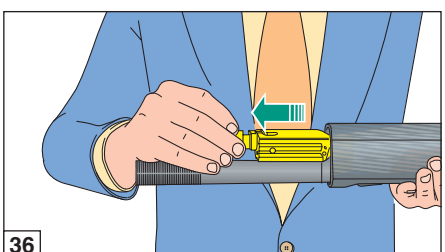
10) Remove the firing pin and firing pin **spring** from the bolt (fig. 38).

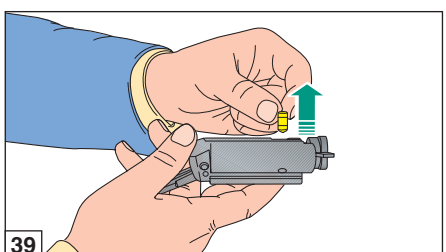
11) Remove the locking head rotating **pin** from its seat (fig. 39).

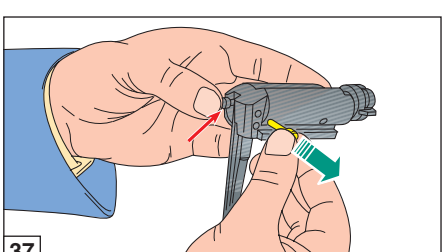
12) Remove the **bolt locking head** from the bolt (fig. 40).

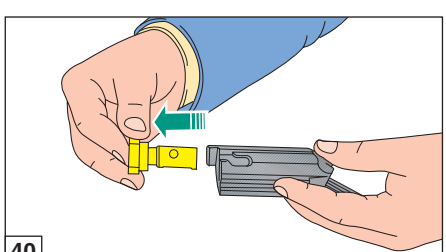












13) Remove the **recoil spring** from its seat in the bolt (fig. 41).

14) Extract the **trigger guard pin** from the stock-receiver unit, thrusting it from right or left with the point of the same firing pin or punch (fig. 42).

15) **Press** the carrier button and **extract** the trigger guard assembly towards the front (fig. 43).

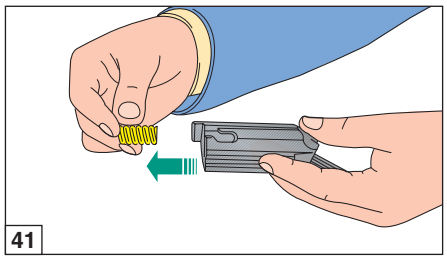
The shotgun is now completely stripped. All the parts that require routine maintenance and cleaning are disassembled.

Shotgun assembly

For correct assembly after cleaning and maintenance operations, proceed as follows:

1) Grip the stock-receiver assembly and **press** the carrier button so that the whole protection cover unit is simultaneously fitted into the receiver **(hammer must be cocked)** and is kept in a slightly advanced position compared to its final position (fig. 44). Slightly withdraw the whole protection cover until it is **wedged** against the back end of the receiver, taking care that the bottom part of the protection cover coincides with the bottom part of the receiver (fig. 45).

2) Push the trigger guard **pin** into the receiver from the right or left, until it is completely inside (fig. 46).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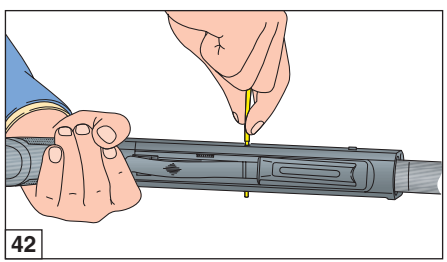
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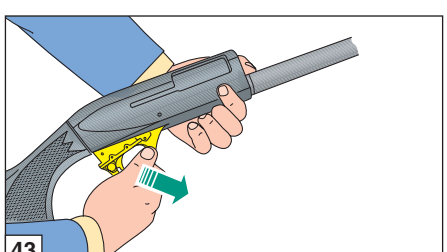
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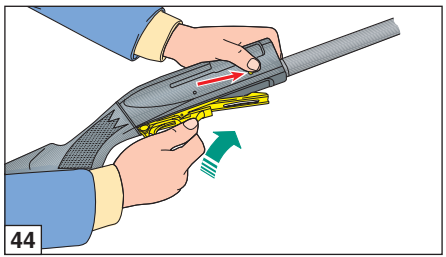
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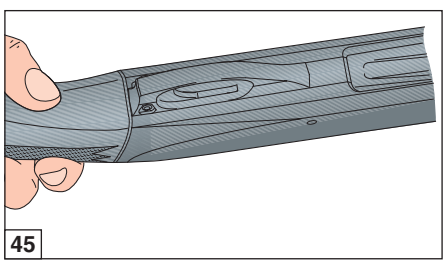
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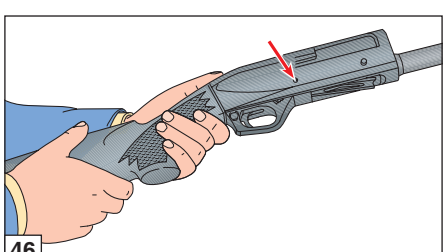

46

3) Place the bolt recoil **spring** in its seat on the bolt (fig. 47).

NOTE: always make sure that the bolt recoil spring is positioned **between the locking head and the bolt itself**, in order to avoid **a shot being fired** during the closing phase.

4) Slide the **locking head** into the bolt, making sure that the **hole** on its stem coincides with the **slot** on the bolt (fig. 48).

WARNING: the slanted surfaces on the locking head's stem should **not be visible** once the bolt locking head is mounted.

5) Insert the locking head **pin** in its hole on the locking head's stem, through the slot on the bolt (fig. 49).

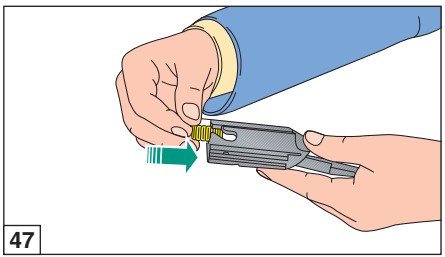
NOTE: the reference line on top of the pin must be **visible and aligned** with the bolt assembly longitudinal axis (fig. 49).

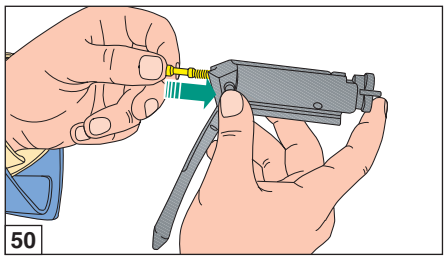
6) Insert **the firing pin** and the firing pin spring inside the bolt hole (fig. 50).

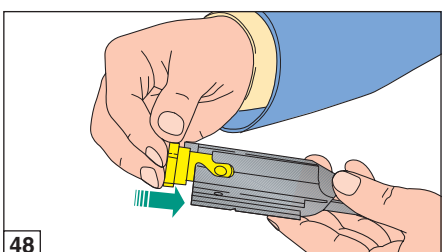
NOTE: always make sure that the firing pin spring has been mounted.

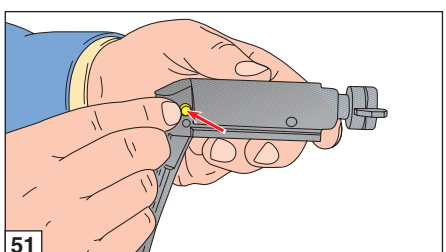
7) Insert the firing pin **retaining pin** in its seat, so as to block the firing pin (fig. 51).

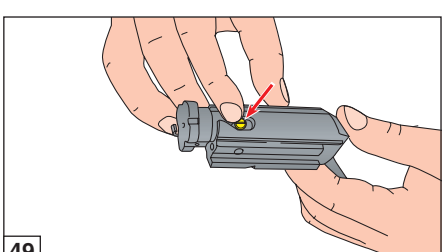
8) Hold the stock receiver assembly almost horizontally and insert the **bolt assembly** in its guide on the receiver (fig. 52).

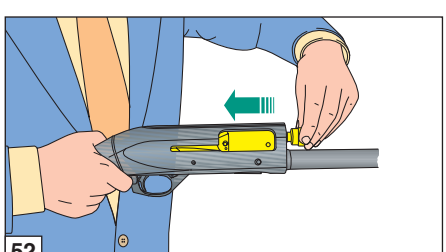












WARNING: make sure that the **bolt link** slides over the trigger guard assembly, positioning on the recoil spring guide **pin** inside the receiver, once the mounting has been completed (fig. 53).

9) Draw back the **bolt head** and **insert** completely the **cocking lever** into the bolt group (fig. 54).

10) **Finish** assembling the shotgun by following all the steps (except the first four) outlined under the section on page 7.

ACCESSORIES AND ADJUSTMENTS

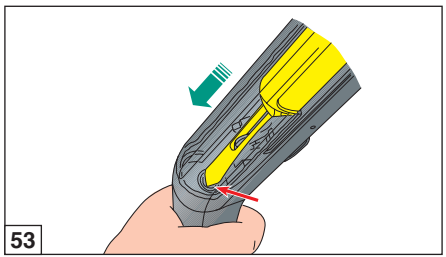
Drop and cast adjustment

Before beginning any operation on your shotgun, always make sure that chamber and magazine have been completely emptied!
(Carefully read loading and unloading instructions).

DROP CHANGE SCHEDULE			
Cast shim (plastic) Reference letter	Stock locking plate (steel) Reference letter	Drop shim (plastic) Reference letter	Drop value at heel (mm)
DX	Z DX	Z	50 ± 1 DX
SX	Z SX		50 ± 1 SX
DX	A DX	A	55 ± 1 DX
SX	A SX		55 ± 1 SX
DX	B DX	B	60 ± 1 DX
SX	B SX		60 ± 1 SX
DX	C DX	C	65 ± 1 DX
SX	C SX		65 ± 1 SX

Matching instructions: the drop change shims and stock locking plates in the kit are identified by letters. To ensure a correct drop, **always** use plates and shims **with the same letter, e.g.: C - CDX – for a 65-RH drop or C - CSX – for a 65-LH drop.**

DX = Right hand
SX = Left hand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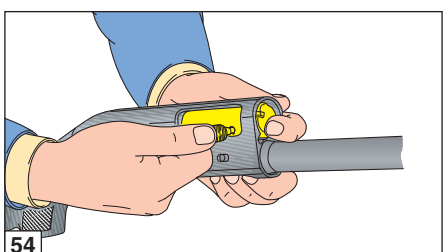
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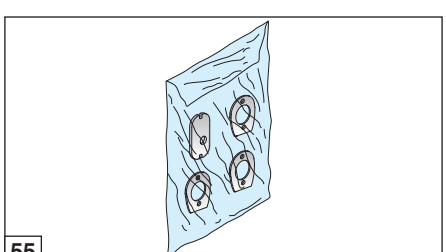

55

The shotgun is supplied with a **"drop change kit"** (fig. 55) which enables you to adjust the original drop the shotgun is supplied with. The kit consists of **one stock locking plate** (in steel), plus **drop change shims three** (in plastic).

The kit enables you to obtain four different drop patterns (as specified in the following table) and two different deflections (right hand or left hand).

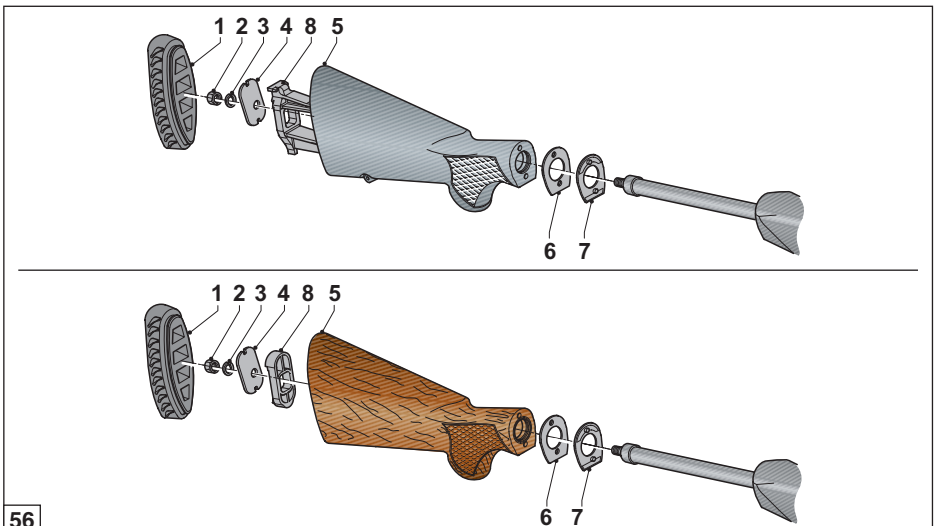
Each unit **is marked with the corresponding drop and cast letter.**

Determine if your stock drop fits you perfectly, or whether it is either too high or too low for you.

If it is too low, you need to select the previous adjustment set in alphabetical order (e.g. if the shim supplied on the shotgun is marked with a "C", you must select the "B", together with the corresponding stock locking plate).

Replacement procedure is very simple (figs. 56-57):

1) Press on **the butt plate "1"** and simultaneously make a movement from below upwards (figs. 58-59).
2) Unscrew **the stock retaining nut "2"** (using a 13 mm hexagon wrench).
3) Remove the **nut "2",** from the recoil spring tube and remove the **rubber washer "3", stock locking plate "4", stock "5", cast shim "6"** and **drop shim "7".**



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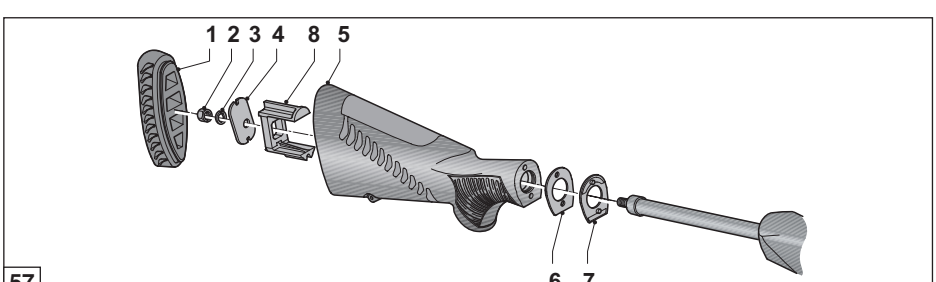

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WARNING: if the stock spacer "8" doesn't remain inside the stock, reassemble it with the seat of **plate "4"** facing the butt plate.

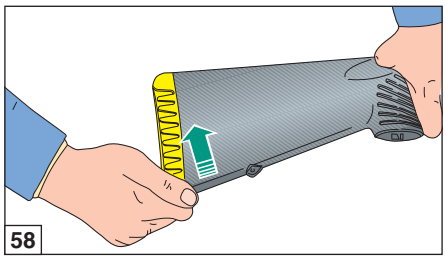
4) Assemble **the drop shim "7"** that you have selected onto the recoil spring tube with the **stamped letter** facing the stock.
5) Reassemble the selected **cast shim "6"** with the stamped letter (DX or SX) facing toward the stock.
6) Point the barrel towards the floor and fit the **stock**. Engage the **stock locking plate "4"** in the stock with the side punched with the chosen letter facing the butt plate.
7) Assemble **the rubber washer "3" and nut "2"** on the recoil spring tube and **tighten firmly.**
8) As for reassembly, it is sufficient to press **the butt plate "1"** firmly against the stock until it enters its seating (fig. 60).

WARNING: always use **drop shims "7"**, **cast shims "6"** and **stock locking plates "4"** with the corresponding lettering, e.g. C - CDX - DX or C - CSX - SX. The use of component parts with different letters may cause permanent deformation of the recoil spring tube with as a result, bolt sliding problems.

WARNING: once stock has been replaced, make sure that it is correctly retained to the receiver. After having fired the first few rounds, repeat check and if necessary, fix the stock again by removing the butt plate again and tightening the nut again by using appropriate wrench.

Having altered the stock drop of the shotgun, you have also obviously altered the firing position as well: it is therefore **necessary** that you first practise by executing some shots in order to make sure that the firing position is suitable to your size and shooting style.

NOTE: due to the softness of the material of which the Benelli gel recoil pad is constructed, the pad is more succeptable to rough use, including excessive abrasion and exposure to sharp edges. Such exposure can lead to superficial surface damage. Superficial surface damage will not result in a loss of the shock absorbing performance of the gel pad.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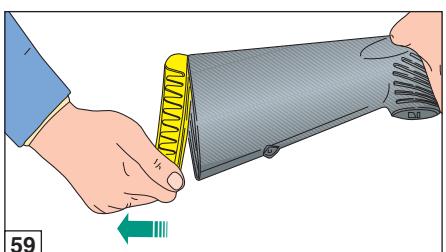
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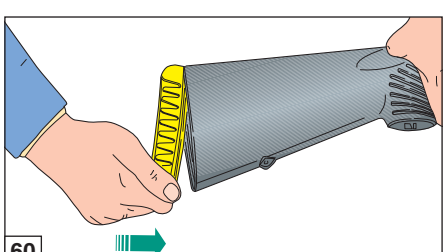

60

Set stock drop

Before beginning any operation on your shotgun, always make sure that chamber and magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

A stock version with fixed drop is available:

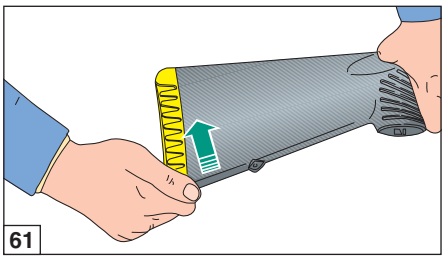
- "Pistol Grip" type stock.

To change stocks proceed as follows:

1) Press on **the butt plate** and simultaneously exert a movement from below upwards (figs. 61-62).
2) Using a 13 mm socket wrench, **slacken the stock nut,** which is accessible from the rear after removal of the butt plate (fig. 63).

WARNING: whilst completely removing stock nut, take care not to loose the **rubber washer**. This may easily happen as it is no longer withheld by the nut (fig. 64).

3) **Completeley remove** the stock by sliding it off along the recoil spring tube (fig. 65).
4) **Remove the butt plate** from the optional pistol-grip stock as described for the standard stock.
5) Install the **swivel plate** (supplied with the pistol grip type stock) on its seat, keeping it in a central position (fig. 66).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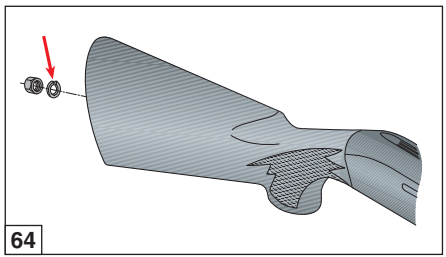
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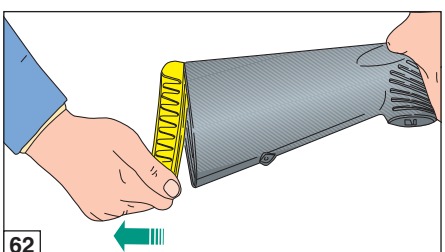
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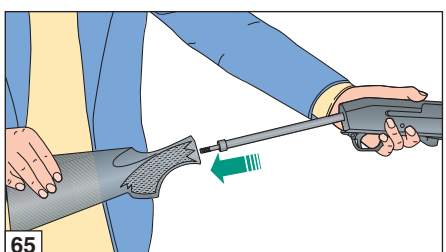
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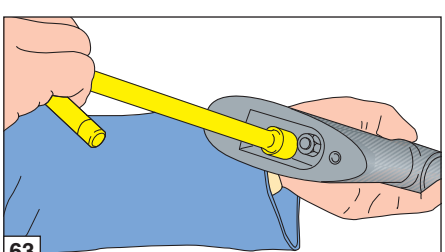
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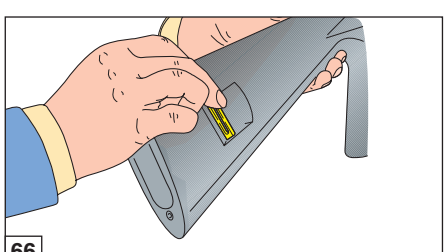

66

6) Point the gun towards the ground and install the pistol-grip stock over the **recoil spring tube**. Make sure that the recoil spring tube is aligned with the hole on the swivel plate (fig. 67).

WARNING: when correctly installed, the pistol-grip stock will mate to the rear of the receiver, and the swivel plate will be tight in its seat.

7) **Before turning** the stock nut in onto the threaded stud protruding from the inside of the rear of the stock, fit the rubber washer into place (fig. 68).

WARNING: when there is no rubber washer present, use of a self-locking nut is necessary.

8) Using a 13 mm socket wrench, fully tighten stock nut (fig. 69).

9) For reassembly, it is sufficient to press **the butt plate** firmly against the stock until it enters its seating (fig. 70).

WARNING: once stock has been replaced, make sure that it is correctly retained to the receiver. After having fired the first few rounds, repeat check and if necessary, remove butt plate once again and by means of the appropriate wrench, tighten stock nut further.

Long tube limiter

Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

WARNING

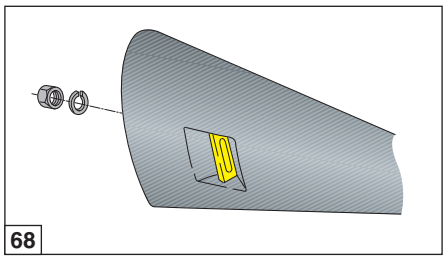
The following operations must be carried out carefully in order to prevent the magazine spring from escaping at high speed.

When carrying these operations out, always wear eye protection.

If the magazine spring escapes at high velocity severe eye injury or other injuries with serious consequences can occur.

The same care must be taken during assembly.

In compliance to legislation in force, long tube versions are equipped with a barrel limiter for the limitation of the magazine capacity.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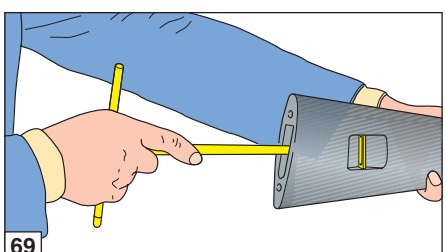
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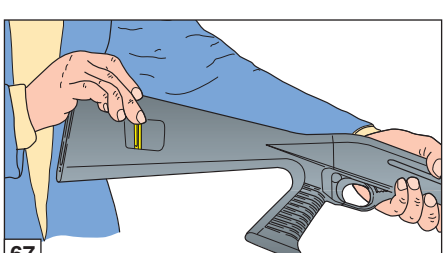
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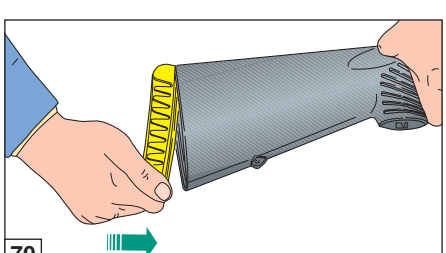
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To remove the limiter proceed as follows:

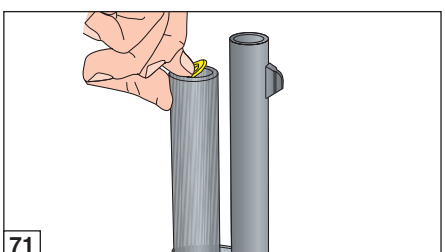
1) **With the gun unloaded,** point the barrel upwards. Using the index finger of your hand, remove the **limiter retaining** from the magazine tube (fig. 71). To facilitate removal, rest your right thumb on the magazine tube and **turn** the retaining ring until one of the tabs passes the magazine tube spigot (fig. 72).
2) **Hold** the limiter and retaining ring and allow them to be forced out of the magazine by the magazine spring.
3) **Completely** remove limiter and retaining ring from magazine.

To install the limiter, proceed as follows:

1) **With the gun unloaded**, point barrel upwards and insert the limiter into the appropriate fitting hole (fig. 73).
2) Take the limiter retaining ring in your hand and position it on the limiter. Ring should be **positioned at a slight angle** (fig. 74).
3) **Push** the limiter into the magazine tube, ensuring that the retaining ring enters properly (fig. 75).

   *Keeping the ring positioned at a slight angle will **enable** it to slip into the magazine tube entirely, even though it is wider than the tube bore.*

4) **Reduce** finger pressure until the limiter is tight against the tube spigot (fig. 76).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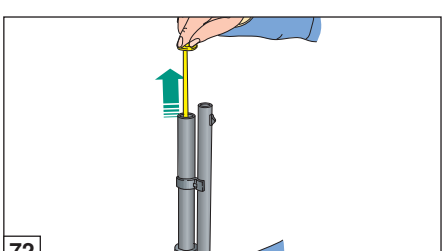
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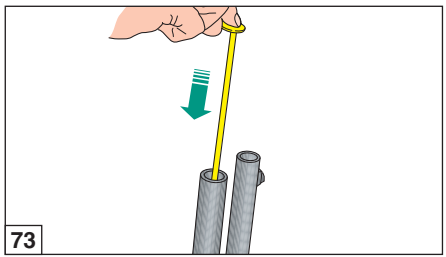
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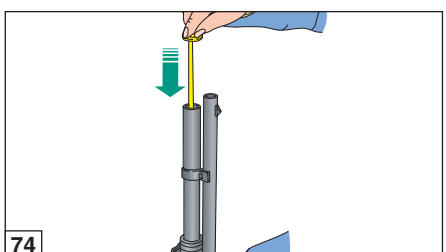
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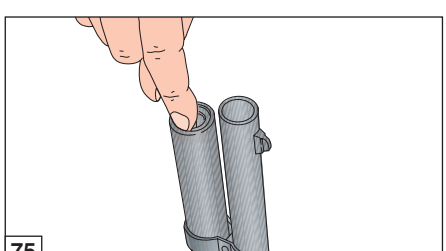
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Short tube limiter

Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

WARNING

The following operations must be carried out carefully in order to prevent the magazine spring from escaping at high speed.

When carrying these operations out, always wear eye protection.

If the magazine spring escapes at high velocity severe eye injury or other injuries with serious consequences can occur.

The same care must be taken during assembly.

To remove the limiter, proceed as follows (figs. 77-78).

1) **With the gun unloaded,** point the barrel upwards and unscrew magazine cap from the front of the weapon.
2) With appropriate pliers, remove the **limiter retainer.**
3) Carefully slip the **limiter** and **spring** out.

To install the limiter, proceed as follows:

1) Insert **the limiter** in the spring.
2) Insert **limiter** and spring into the magazine tube.
3) Fit **the spring seal ring** on so that there are no protrusions from the tube.
4) Screw the fore end **cap** onto the end of the magazine tube and **fasten** the whole barrel-breech-fore-end unit **tightly.**

*For models equipped with short tube magazine **plus magazine tube extension** (magazine tube in two pieces), the extension magazine tube is put on off together when screwing the fore-end cap.*

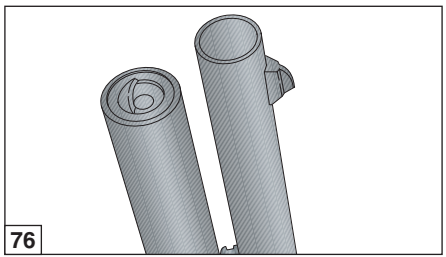
Internal choke

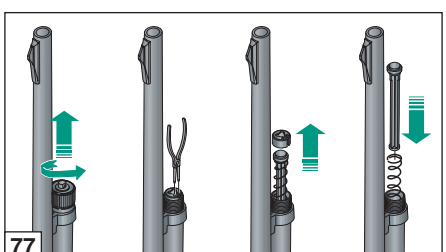
Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

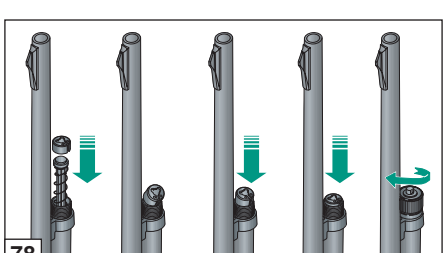
The barrels with internal chokes are equipped with various types of chokes.

WARNING: before using the shotgun, make sure that the barrel has a choke correctly installed.

NOTE: if correctly installed, internal chokes must not protrude from the barrel's muzzle. Only use Benelli chokes of a length suitable for the choke seat of the barrel.







To change or clean the internal choke, proceed as follows:

1) **Unscrew** the internal choke using the special **choke wrench** supplied with the shotgun and extract it completely from the barrel seat (fig. 79).
2) If the threaded seat of the choke on the barrel **is too dirty**, clean it.
3) Reassemble on the barrel seat the kind of choke required, taking care to **insert the non-threaded part** inside the barrel, before screwing the choke on the barrel's thread (fig. 80).

NOTE: when choke is correctly mounted, it **must not protrude** from the barrel's muzzle.

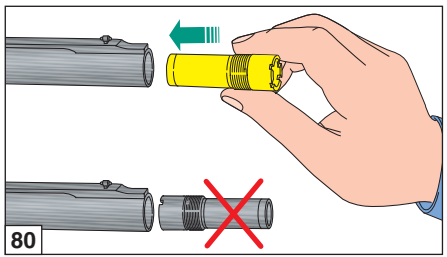
4) Finish the assembly of the choke by screwing it **firmly** using the choke wrench (fig. 81).

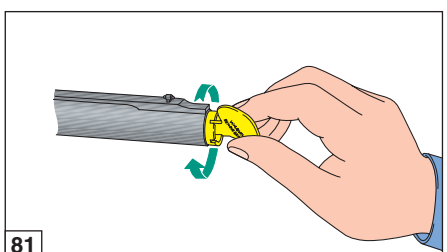
NOTE: before re-using the shotgun, **make sure that the choke wrench has been removed** from the barrel's muzzle.

Before the shotgun is put away, cleaning the internal choke and relative barrel thread is recommended.

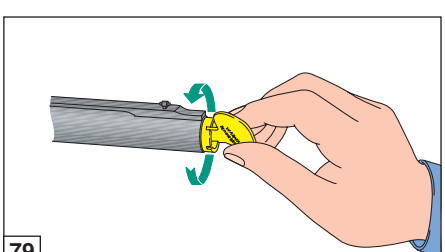
Benelli chokes are marked for an easy identification (fig. 82). Notches on the frontal part of each choke allow a quick recognition, even when the choke is mounted on the shotgun.

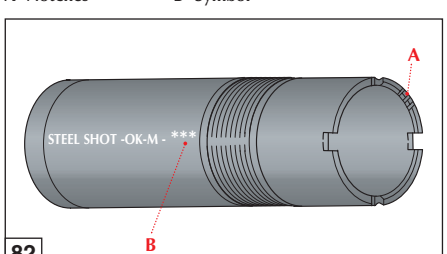
Notches	Choke	Symbol	Steel Shot
I	Full	X	NO
II	Improved Modified	XX	NO
III	Modified	XXX	OK
IIII	Improved Cylinder	XXXX	OK
IIIII	Cylinder	XXXXX	OK





A Notches B Symbol





Magazine tube extension

Where capacity increase is required for **short magazine tube** shotgun versions, **magazine tube extension kits** are available upon request.

5-shot kit (12 gauge)

The 5-shot extension kit contains the following: one **forearm/barrel retainer cap** with through hole, one **magazine tube extension** and one **magazine extension plug** (fig. 83).

6/7-shot kit (12-20 gauge)

The 6/7-shot extension kit includes: one **forearm/barrel retainer cap** with through hole, one **magazine tube extension**, one **magazine extension plug**, one **long magazine spring** and a set of extension/barrel retainer **clips** (fig. 84).

Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded!
(Carefully read the instructions on gun loading and unloading).

WARNING

The following operations must be carried out carefully in order to prevent the magazine spring from escaping at high speed.

When carrying these operations out, always wear eye protection.

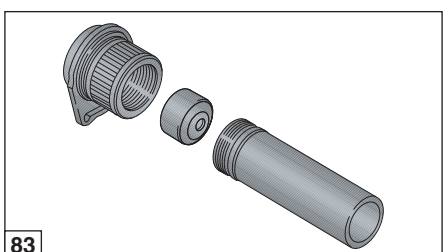
If the magazine spring escapes at high velocity severe eye injury or other injuries with serious consequences can occur.

The same care must be taken during assembly.

For the assembly of the extension kit, proceed as follows:

1) Completely unscrew the **forearm retainer cap** and withdraw it from the magazine.
2) Remove the **magazine spring retaining ring**.
3) For the assembly of the **6/7-shot extension kit**, the magazine **spring** must be replaced with the **spring** supplied with the kit.
4) Screw the **extension kit** onto the magazine tube.
5) When assembling the 6/7-shot extension kit, the **barrel-magazine tube retaining ring** must be fitted on with the appropriate screw.

WARNING: To use **magazine tube extensions** that **protrude** from the barrel's muzzle, it is necessary to make sure to use cartridges with such an energy **to complete the combustion inside the barrel,** to prevent firing heat and gas from damaging the components.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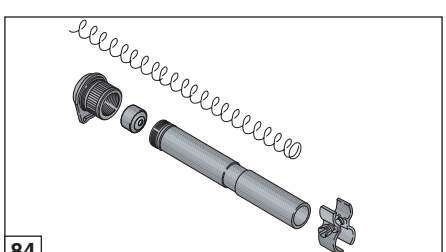

84

Rear sight adjustment
(12 gauge)

The rear sight can be adjusted for both windage and elevation if the standard factory setting does not meet shooter requirements.

Before starting any operation on your shotgun, make sure that the chamber and the magazine are unloaded! (Carefully read the instructions on gun loading and unloading).

A - Windage adjustment

Using a coin or the rim of a shell cartridge to rotate the **windage adjustment screw** (fig. 85), located on the right side of the rear sight assembly, in the desired direction.

Rotating the **windage adjustment screw** in a counter clockwise direction moves the point-of-impact on target to the left, in a clockwise direction moves the point-of-impact to the right. **Note on the windage scale**, the amount of adjustment made (fig. 86).

B - Elevation adjustment

Use a coin or the rim of a shell cartridge to rotate the **elevation adjustment screw** (fig. 87), located on top of the elevating platform, in the desired direction.

Rotating the **elevation screw** in a counter clockwise direction raises the aperture and the point-of impact of on target, in a clockwise direction lowers the aperture and point-of-impact on target. **Note on the windage scale** on the rear surface of the elevating platform the amount of adjustment made, or count the tactile clicks of the screw.

Adjusting the back-sight
(12-20 gauge)

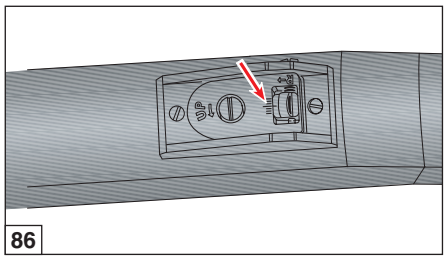
For the adjustment of the **back-sight** as illustrated in figure 88, proceed as follows:

A - Lateral adjustment

By means of the **relative screw**, set the sight position as desired (move it to the left if you want the point of impact to move left or move it to the right if you want the point of impact to move right) by adjusting it according to the **graduated alignment notches.**

B - Vertical adjustment

By means of the **relative screw**, set the sight position as desired (in the “up” anticlockwise direction if you want to raise the point of impact or in the opposite direction if you want the point of impact to be lower) by adjusting it according to the **graduated alignment notches.**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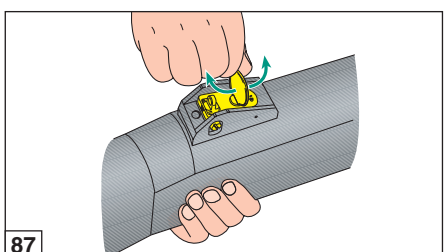
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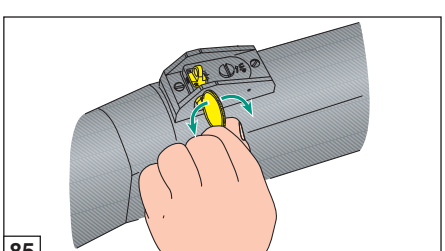
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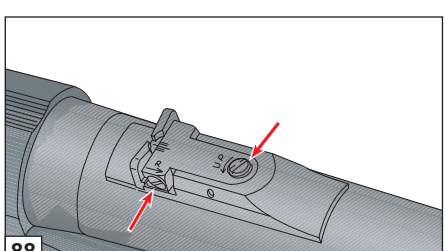
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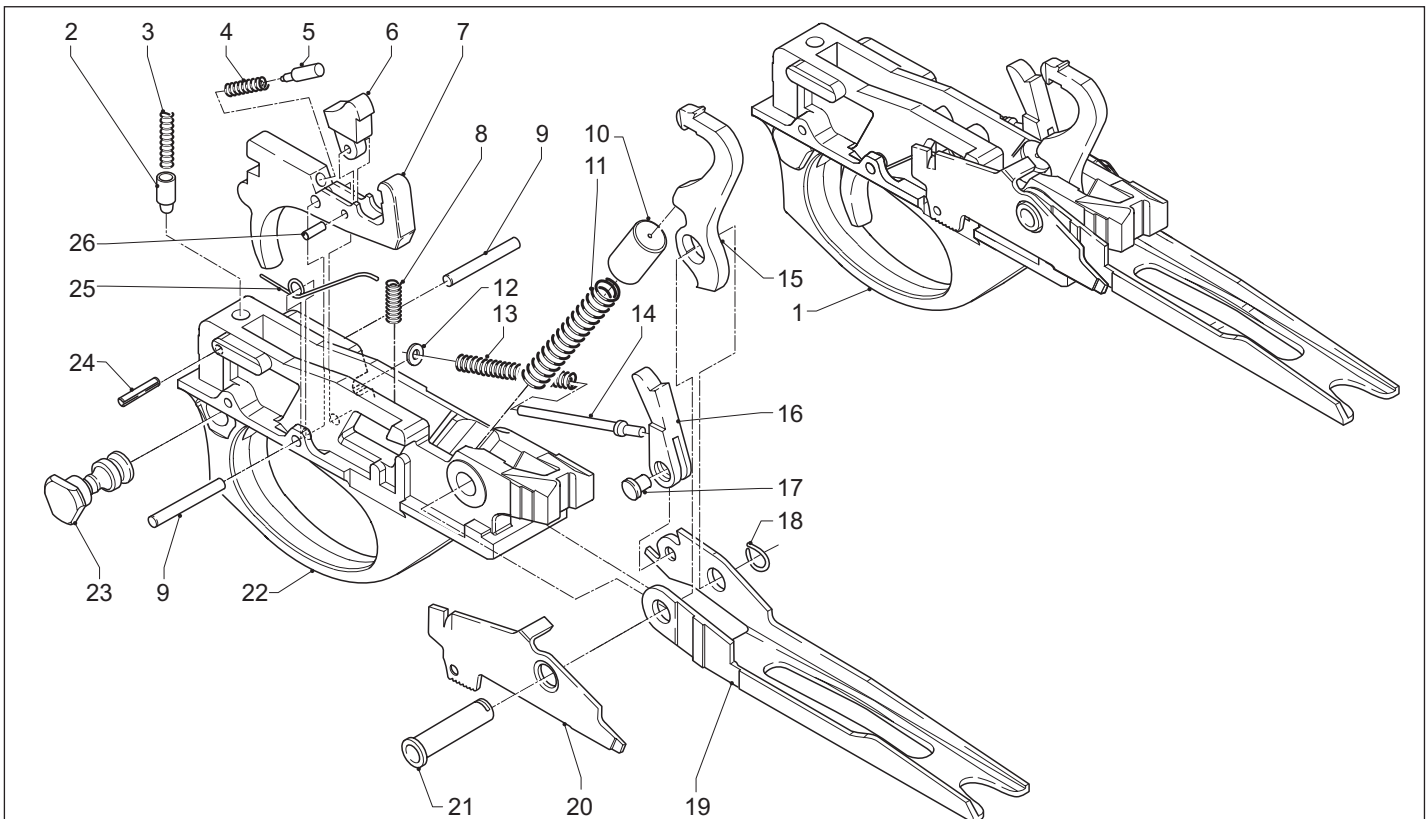
Spare Parts

To order spare parts you must specify the gauge, the model and the serial number of your shotgun.
Part numbers here listed refer to respective drawings.

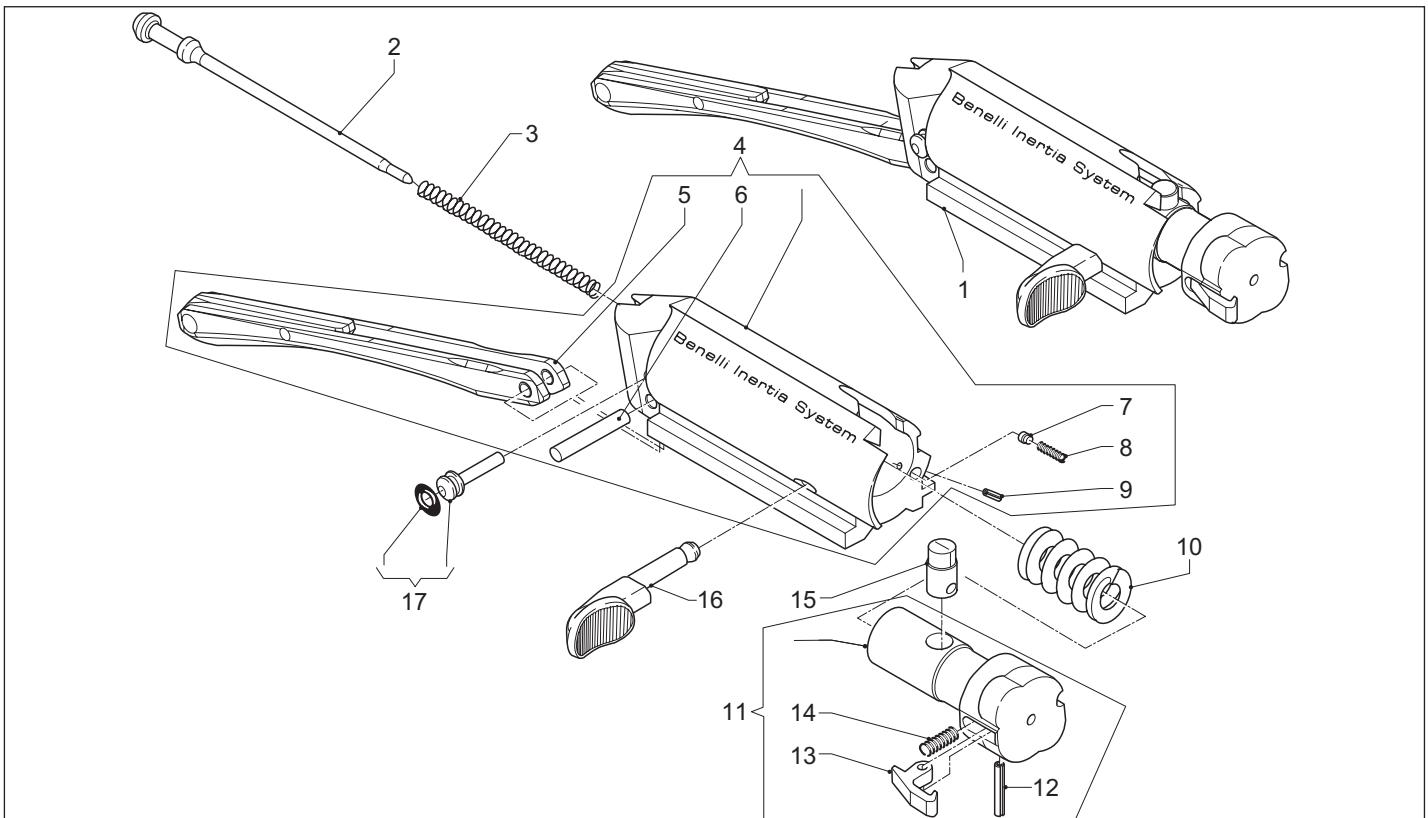
Drawing 1



Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description
1	001C	001G	001U	U001	Trigger guard assy
2	008A	008A	008A	008A	Plunger
3	007A	007A	007A	007A	Spring
4	277J	277J	277J	277J	Spring
5	045J	045J	045J	045J	Pin
6	005C	005C	005C	005C	Disconnector
7	009C	009C	009C	009C	Trigger
8	011J	011J	011J	011J	Spring
9	010L	010L	010L	010L	Trigger pin
10	003A	003A	003A	003A	Cap
11	004A	004A	004A	004A	Spring
12	243F	243F	243F	243F	Washer
13	021J	021J	021A	021A	Spring
14	022A	022A	022A	022A	Pin
15	002B	002B	002B	002B	Hammer
16	019A	019A	019D	019D	Stop tooth
17	020A	020A	020A	020A	Pin
18	018A	018A	018A	018A	Spring
19	017C	017R	017U	U017	Carrier
20	076L	076L	076D	076D	Cartridge drop lever
21	016J	016J	016D	016D	Bush
22	014B	014B	014D	014D	Trigger guard
23	013J	013J	013J	013J	Safety button
24	012A	012A	012A	012A	Retaining pin

Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description
25	077B	077B	077B	077B	Spring
26	023A	023A	023A	023A	Pin

Drawing 2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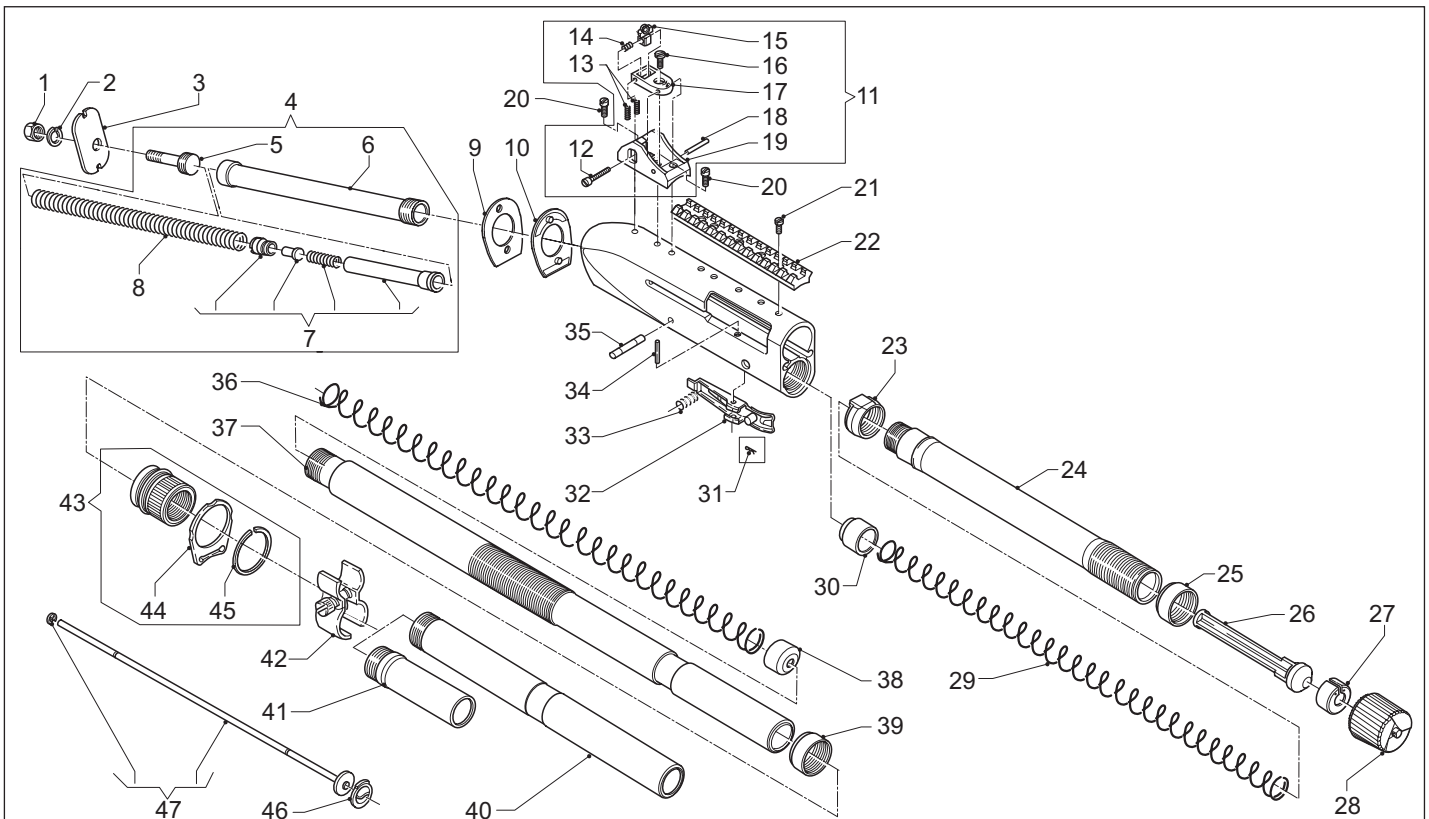
Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description
1	024C	024R	024U	U024	Bolt assy
2	025B	025B	025B	025B	Firing pin
3	037A	037A	037A	037A	Spring
4	026C	026R	026U	U026	Bolt, partial
5	027L	027L	027L	027L	Link
6	029J	029J	029D	029D	Link pin
7	039A	039A	039A	039A	Pin
8	038J	038J	038J	038J	Spring
9	040A	040A	040A	040A	Pin
10	036A	036A	036D	036D	Spring
11	165A	165E	165D	U165	Locking head assy
12	035A	035A	035D	035D	Pin
13	034A	034E	034A	034E	Extractor
14	033J	033J	033J	033J	Spring
15	031B	031E	031D	U031	Locking pin
16	030C	030C	030U	030U	Bolt handle
17	028A	028A	028A	028A	Retaining pin

Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description

Drawing 3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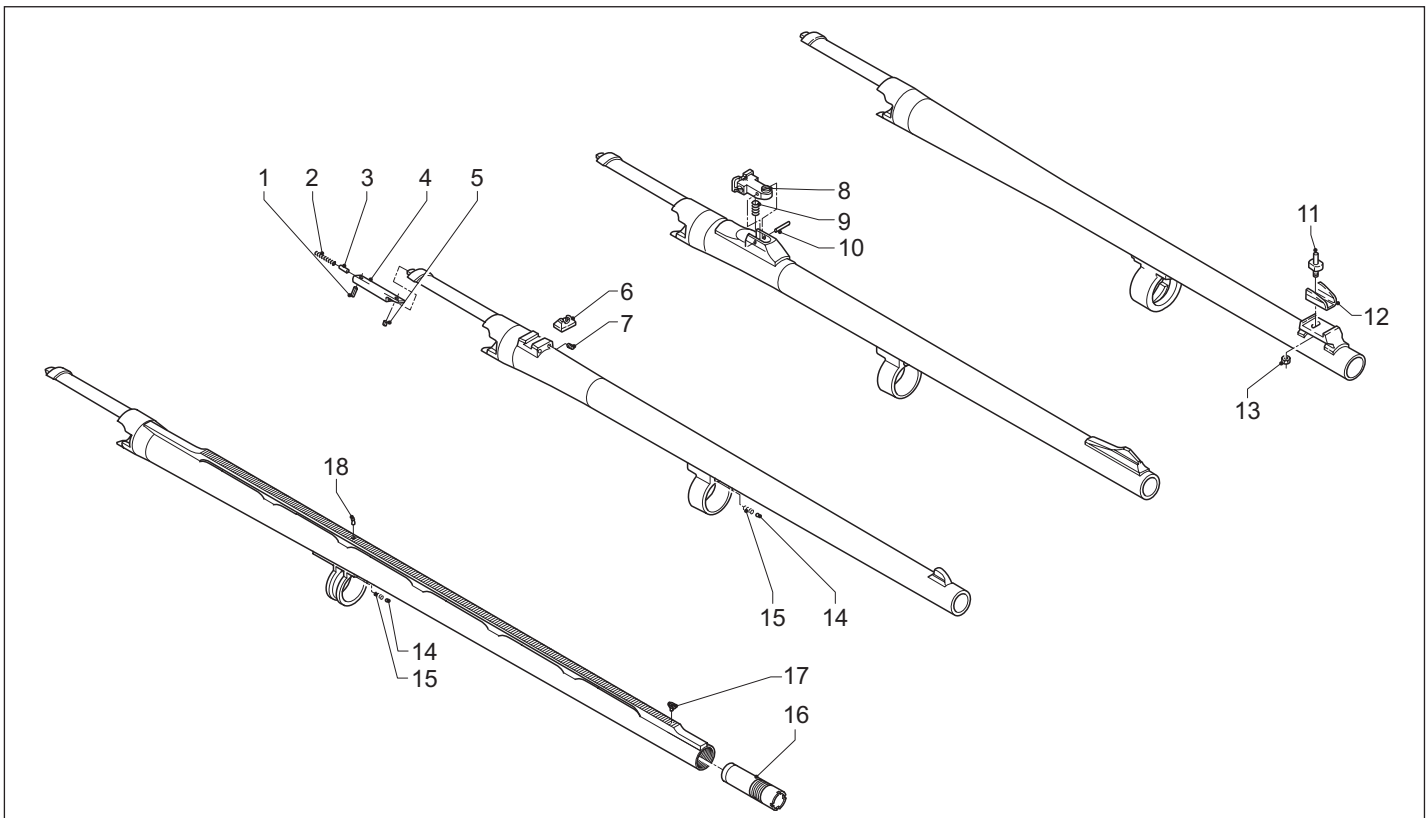
Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description
1	053A	053A	053A	053A	Nut
2	052A	052A	052A	052A	Elastic washer
3	150W	150W	150W	150W	Locking plate
4	166Y	166Y	166D	166D	Recoil spring tube assy
5	050B	050B	050B	050B	Screw
6	049D	049D	049D	049D	Recoil spring tube
7	190Y	190Y	190D	190D	Light load assy
8	054B	054B	054D	054D	Spring
9	286G	286G	286D	286D	Cast shim
10	147Y	147Y	147D	147D	Drop shim
11	127C	–	–	–	Rear sight assembly
12	256C	–	–	–	Windage adjustment screw
13	259C	–	–	–	Elevation spring
14	258C	–	–	–	Windage spring
15	253C	–	–	–	Rear sight aperture
16	255C	–	–	–	Elevation adjustment screw
17	254C	–	–	–	Elevation platform
18	257C	–	–	–	Sight pin
19	126C	–	–	–	Rear sight protection guard
20	128C	–	–	–	Rear sight screw
21	128S	–	–	–	Telescope screw
22	260N	–	–	–	Telescope guide
23	133G	133G	–	–	Fore-end slide bushing
24	066G	066G	066U	066U	Magazine tube

Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description
25	131G	131G	–	–	Ring
26	158C	158C	158U	158U	Limiter
27	132G	132G	132T	132T	Magazine spring seal ring
28	146G	146G	146U	146U	Fore-end follower
29	064A	064A	064D	064D	Magazine spring
30	065G	065G	065D	065D	Follower
31	–	155E	–	155E	Spring
32	057B	057B	057B	057B	Carrier latch
33	058J	058J	058J	058J	Spring
34	056B	156E	056B	156E	Carrier latch pin
35	015B	015B	015D	015D	Pin
36	064C	064C	064U	064U	Magazine spring
37	066C	066C	–	–	Magazine tube (long)
38	068C	068C	068T	068T	Magazine tube plug
39	131G	131G	–	–	Ring
40	144C	144C	144U	144U	Magazine tube extension (long)
41	145C	145C	–	–	Magazine tube extension (short)
42	241C	241C	241T	241T	Magazine tube retaining ring assy
43	069C	069C	069U	069U	Fore-end retaining cap assy
44	067C	067C	067U	067U	Ring
45	093F	093F	143U	143U	Elastic ring
46	086C	086C	086U	086U	Retaining ring
47	085C	085C	085U	085U	Limiter

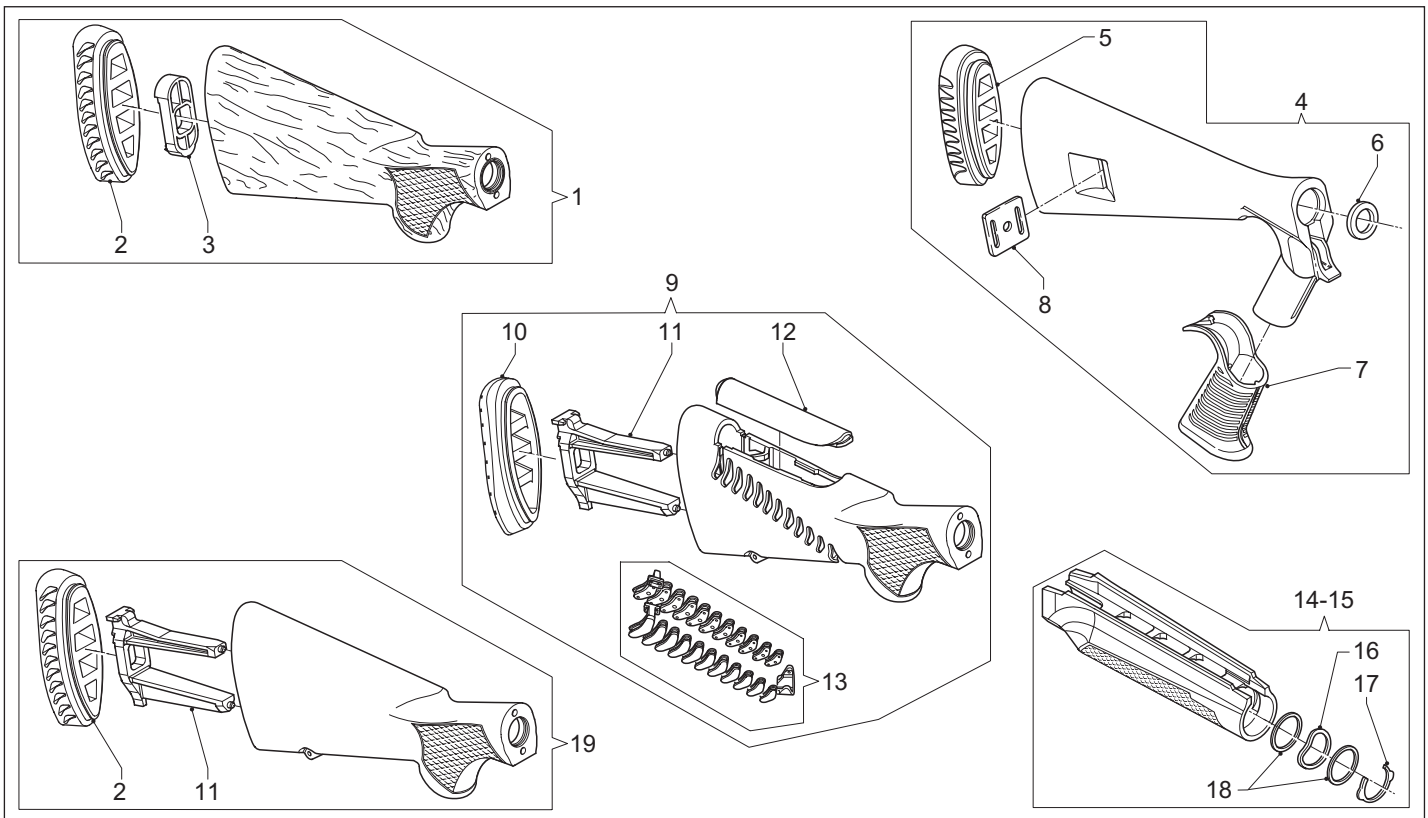
Drawing 4



Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description
1	047J	047J	047D	047D	Pin
2	046J	046J	046J	046J	Spring (3″- Magnum chamber)
3	045J	045J	045J	045J	Ejector pin
4	168J	168J	168J	168J	Ejector frame (3″- Magnum chamber)
5	172J	172J	172D	172D	Retaining rivet
6	042C	–	–	–	Rear sight
7	071A	–	–	–	Grub screw
8	127N	–	127N	–	Rear sight
9	259N	–	259N	–	Spring
10	035A	–	035A	–	Pin
11	110C	–	–	–	Front sight
12	111F	–	–	–	Front sight protection guard
13	113J	–	–	–	Front sight self-locking nut
14	074J	074J	074J	074J	Cap retaining ball
15	073J	073J	073J	073J	Spring
16	213G	213G	213D	213D	Internal choke
17	044B	044B	044B	044B	Front sight
18	–	–	153A	153A	Intermediate front sight

Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description

Drawing 5



Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description
1	177G	177G	–	–	Stock assy (wood)
2	151C	151C	151C	151C	Ventilated butt plate
3	149Y	149Y	–	–	Shim
4	160C	160C	–	–	Pistol Grip stock assy
5	151T	151T	–	–	Rubber butt plate
6	075C	075C	–	–	Ring
7	083C	083C	–	–	Grip
8	063C	063C	–	–	Swivel plate
9	159G	159M	415U	U415	Stock assy Comfortech
10	151G	151M	151G	151M	Gel recoil pad, medium
11	149C	149C	149C	149C	Shim
12	380G	380G	380G	380G	Gel comb
13	379G	379G	379G	379G	Comfort chevrons assy
14	169G	169G	169U	169U	Fore-end (synthetic) assy
15	174G	174G	–	–	Fore-end (wood) assy
16	135G	135G	135U	135U	Spring washer
17	136G	136G	136U	136U	Elastic ring
18	134G	134G	134U	134U	Washer
19	159C	159C	159U	159U	Stock assy (synthetic)

Pos. No.	Code 12 R.H.	Code 12 L.H.	Code 20 R.H.	Code 20 L.H.	Description