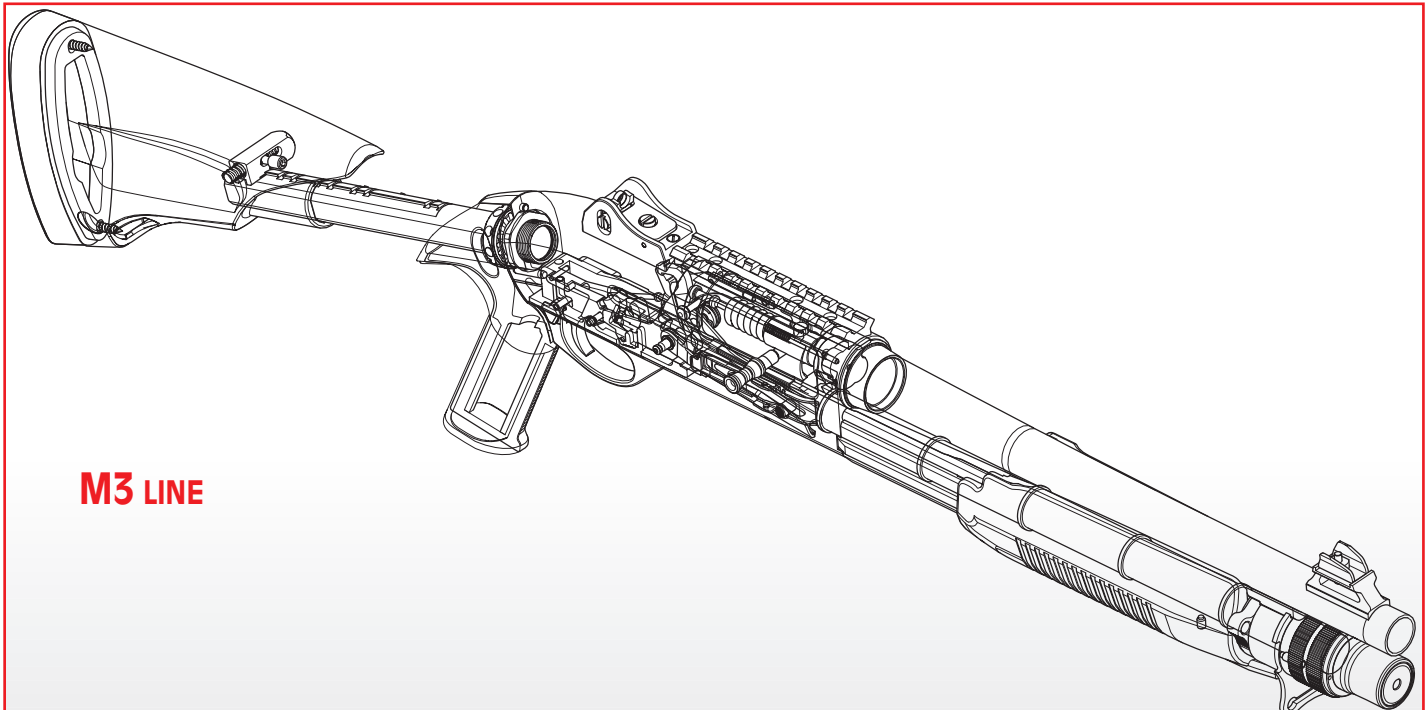
M3 LINE

Benelli



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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.

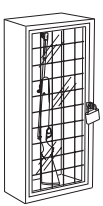
1. NEVER POINT A FIREARM AT SOMETHING THAT IS NOT SAFE TO SHOOT.

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.

The new M3 Super 90 shotguns, in addition to their unique combination pump action/auto loading mode, feature new options in terms of plastic stocks. These include, besides the traditional hunting type, a new pistol grip stock and a folding stock. This ensures maximum field versatility and operating reliability.

Operation

The "M3 SUPER 90" shotgun can operate in two distinct modes: semi-automatic action, based **on fixed-barrel inertial operation** which uses the recoil's kinetic energy (still the most revolutionary principle embodied in Benelli's weapons); or manual pump-action designed in a straightforward and innovative manner to be compatible with the former.

The M3 SUPER 90's type of action can easily be selected during field use by simply rotating a selector ring attached to the fore-end lever to engage the barrel ring or the bolt- swivel unit, depending on the type of operation chosen.

Specifically, for semi-automatic action the selection ring, which is attached to the fore-end lever, should engage the barrel ring. For pump-action, the selection ring should engage the bolt-swivel unit.

In the first case, the barrel and fore-end lever form a solid block so that the bolt-swivel unit is free to function "semi-automatic" (recoil operated), while in the second case the fore-end lever and the bolt-swivel unit are joined together, thus the bolt is opened by sliding the fore-end lever (pump-action).

The system also acts directly on the bolt recoil spring by permitting or not permitting it to accumulate recoil energy, depending on whether semi-automatic or manual action is required.

In semi-automatic action, in fact, when the shotgun is fired, due to the recoil, the bolt (fixed) travels forward by a distance of about 4 mm (depending on the ammunition's power), thus compressing the spring between the bolt head and the bolt itself.

The spring, after compressing, expands thus forcing the bolt-swivel unit back in the open position. The spent sheel is extracted and a new one is chambered in the usual manner.

When operating with the pump-action, the bolt recoil spring is kept from compressing and the spent shell is extracted and a new one chambered by pumping the fore spring.

The M3 SUPER 90 shotgun features a **rolling bolt locking head** that is simple and sturdy and that with two locking lugs achieves a positive breech lock.
This shotgun also uses a loading system that was designed to:

- allow manual shifting of cartridges from the tubular magazine to the barrel whether in semi-automatic or pump action mode;
- insure quick and safe re-loading;
- indicate whether the hammer is cocked and the shotgun ready to fire.

The new **loading** system mainly consists of a cartridge drop lever which protrudes from the lower part of the receiver within easy reach of 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 carrier latch, 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 is obliged to hold the remaining cartridges in the magazine until the next shot is fired.

The end of the cartridge drop lever which protrudes 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. When the lever is completely recessed in the receiver the hammer is not cocked.

The new M3 SUPER 90 uses the weapon's recoil energy to operate in the semi-automatic mode. The drawbacks of systems that use barrel recoil, especially barrel vibration and the need for muzzle brakes when using powerful ammunition, as well as those of gas-operated systems, such as the need to clean the system frequently and the incidence of malfunctions in foul weather, are thus eliminated.

By adopting two parallel actions (semi-automatic and pump) on the same weapon, the shotgun is able to meet the widest range of requirements and is rendered extremely reliable.

The new M3 SUPER 90's level of perfection enables it to function even in semi-auto mode with an extremely **wide range of cartridges.**

The unique inertia recoil operating system, however, requires ammunition that develops a minimum amount of kinetic recoil energy in order to fully cycle the weapon and chamber another cartridge.

Extensive testing in ballistics labs and repeated field testing of our line-produced weapons put at **240 kgm** the lowest level of kinetic energy that must be generated by the cartridge in order to fully cycle the action (value measured by manometric barrel at 1 m from the muzzle).

Assembly
(from packaged gun)

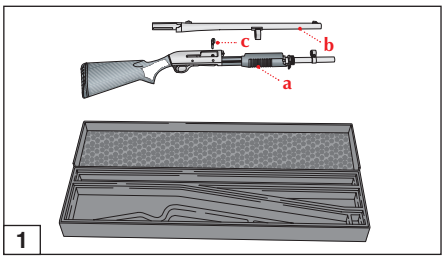
Components of the package (fig. 1):

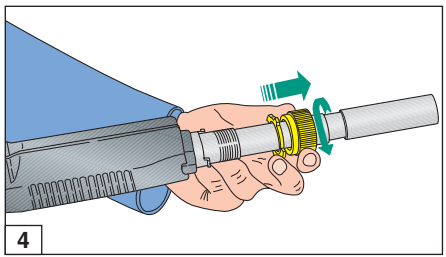
a) **stock-receiver-bolt-fore-end** unit
b) **barrel-breech** unit
c) **barrel-magazine tube retaining ring.**

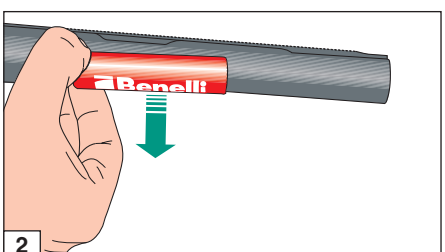
WARNING: please remember to remove the **plastic barrel sheath** before using the firearm (fig. 2).

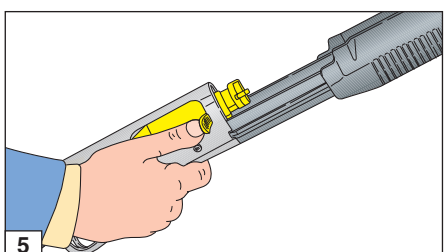
Assembly procedure

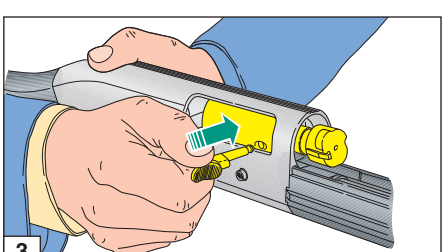
1) Insert completely the **cocking lever** into the breech bolt unit (fig. 3).
2) Remove the front **cap** together with the sling swivel from the tubular magazine (fig. 4).
3) While holding in your hand the **stock-receiver-bolt-fore-end lever** unit and pulling on the cocking lever with the thumb so that the bolt protrudes slightly from the receiver (fig. 5), pick up the **barrel-breech** unit with the other hand and slide the barrel ring over the tubular magazine (fig. 6) until, bringing the barrel and fore-end lever together, the breech extension can go all the way into the receiver, over the locking head (fig. 7).

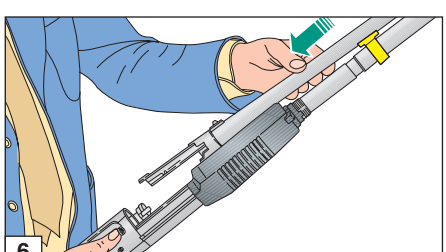






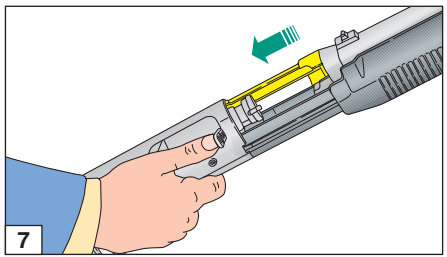


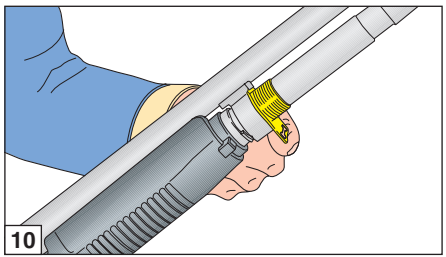


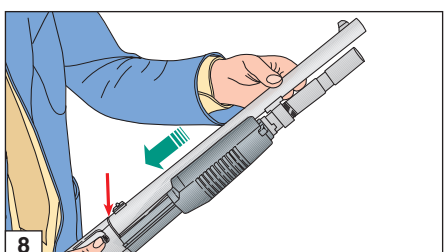


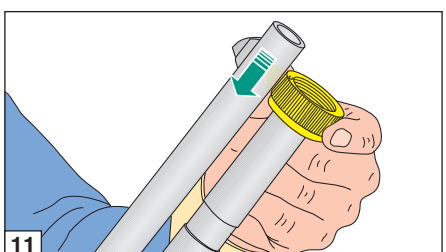
4) Releasing the cocking lever, push the **barrel-breech** unit with your hand until it clicks into place and is firmly seated (fig. 8).
5) While keeping the **barrel-breech** unit firmly pressed with your hand, lightly open and close the bolt by sliding the fore-end lever (fig. 9) to make sure that the barrel is properly mounted. If the bolt does not open or close, repeat the two previous steps.
6) Slide the **sling swivel** over the tubular magazine until it touches the barrel ring (fig. 10).
7) Slide the front **cap** over the tubular magazine so that the knurled part faces towards the muzzle (fig. 11) and screw in onto the tubular magazine (fig. 12) so that the barrel-breech unit is firmly fastened (fig. 13).

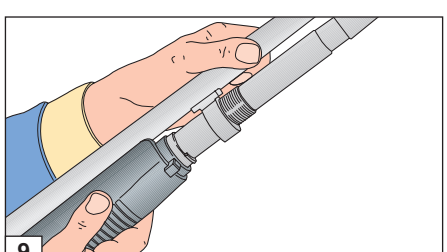
NOTE: make sure that the **barrel-breech** unit is firmly secured onto the receiver-stock unit.

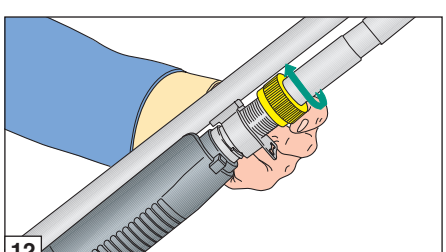




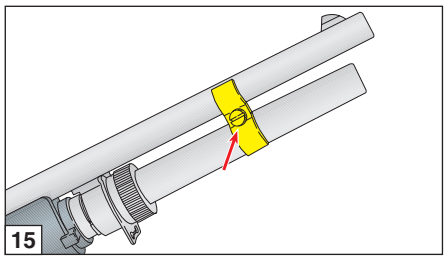








8) Slide the **barrel-tubular magazine retaining ring** over the barrel and tubular magazine (fig. 14) until it is seated in its recess on the tubular magazine itself and fasten it in that position (fig. 15) by gently tightening the screw.



Action selection

The type of action on which the M3 SUPER 90 shotgun operates can be selected according to the ammunition being used.

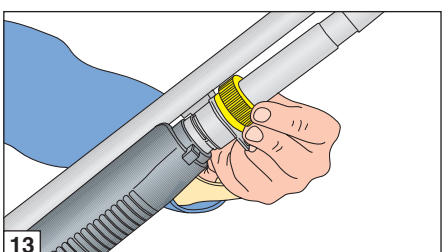
The mode of operation can be shifted from manual (pump-action) to semi-automatic instantaneously, without having to effect any adjustments, by simply turning the selection ring mounted on the front of the fore-end lever.

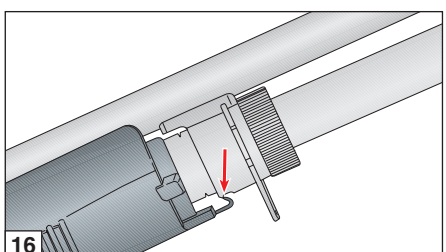
The shooter can freely choose between semi-automatic or pump action at any time and depending on his needs.

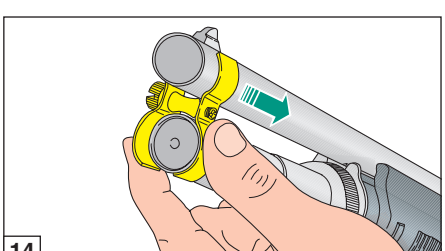
NOTE: when in the semi-automatic mode always use ammunition that generates enough recoil to fully cycle the re-loading mechanism.

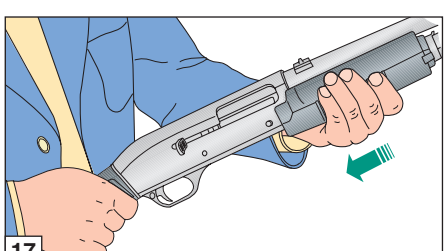
The weapon is manually operated (pump-action) when the selection ring is up against the barrel ring (fig. 16) and fastened to the bolt-swivel unit.

In this mode of operation, the bolt is opened by pulling the fore-end lever all the way back (fig. 17).









To close the bolt again it is necessary to press the carrier release (fig. 18), freeing the bolt to snap forward.

The weapon is semi-automatic operated when the selection ring is fastened to the barrel ring (fig. 19) and disconnected from the bolt- swivel unit.

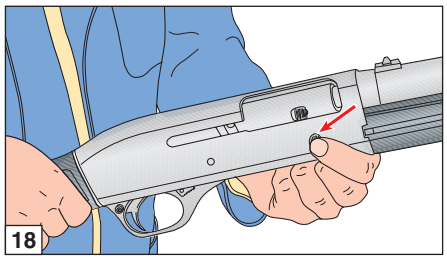
In this mode of operation the fore-end lever is stationary relative to the barrel and the bolt can be opened all the way with the cocking lever (fig. 20).

To close the bolt the carrier release must be pressed (fig. 18), thus freeing the bolt to snap forward.

To switch from one type of action to the other follow the steps outlined below:

A) from pump to semi-automatic action:

1) With the bolt closed (fig. 18), turn the selection ring clockwise as far as it will go with the thumb of the hand holding the weapon (fig. 21).
2) Keeping the selection ring in the position, push the fore-end lever forward until the front of the selection ring fits into the barrel ring (fig. 22).
3) Release the selection ring which will rotate counterclockwise until it reaches its normal resting position (fig. 23).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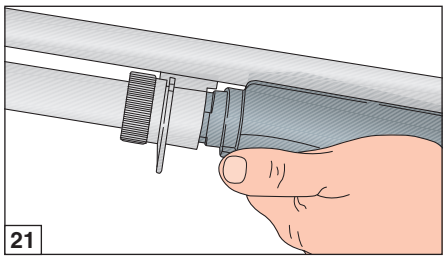
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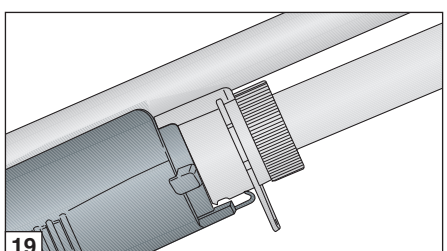
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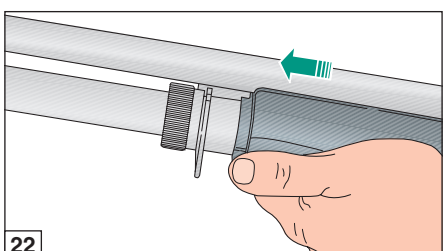
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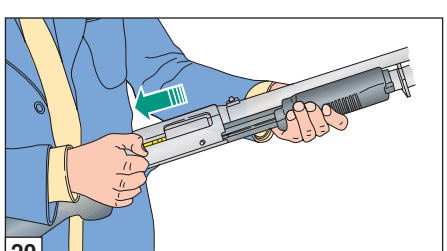
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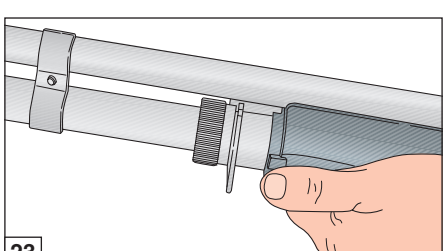
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B) from semi-automatic to pump action:

1) With the bolt closed (fig. 18), turn the selection clockwise as far as it will go with the thumb of the hand holding the weapon (fig. 22).
2) Keeping the selection ring in the position shown in fig. 22, pull back the fore-end lever until the selection ring is disconnected from barrel ring (fig. 21).
3) Release the selection ring which will rotate counterclockwise until it reaches its normal resting position (fig. 16).

NOTE: when the manual (pump-action) mode is selected, make sure that the selection ring is securely fastened to the bolt-swivel unit. To verify this, pull back the bolt using that cocking lever, the forearm should also move backwards.

Gun safety catch

Press the **safety button** on the trigger guard until its **red ring**, indicating firing position, **is no longer visible** (figs. 24-25).

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).

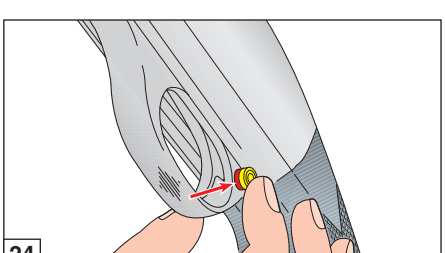
NOTE: make sure that your firearm is fitted with a magazine tube containing a number of cartridges permitted by legislation in the country where you intend to use it.

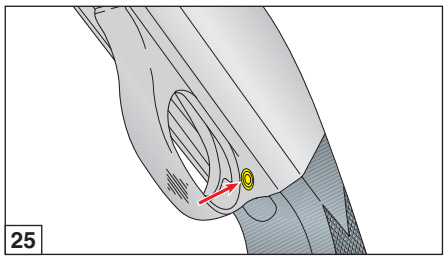
Loading procedure

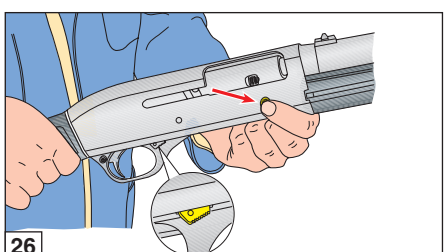
NOTE: make sure that the shotgun **safety catch** (see "Gun safety catch") is engaged and the **hammer cocked** (so that the carrier latch can retain the cartridges as they are inserted in the magazine).

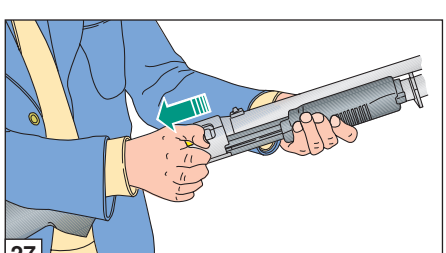
WARNING: for safety reasons, **check** if by opening the bolt the shotgun **is unloaded.** Then **close** the bolt **again.**

1) The **red dot** on the cartridge drop lever (indicating that the **hammer is cocked**) (fig. 26) 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. 27).









2) With the bolt closed and the hammer cocked, reverse the gun **pointing the barrel downwards**.
3) **Insert a cartridge** into the magazine (fig. 28): push it until it is retained by the carrier latch which engages automatically (fig. 29).
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**, as to one of the following procedures:

A) pump action:

1) **Open the bolt** by pulling back the fore-end lever (fig. 17).
The first cartridge in the magazine will be deposited on the carrier.
2) **Close the bolt** by pushing the fore-end lever forward. The bolt will chamber the cartridge on the carrier (fig. 30) and come to a stop in the closed position (fig. 18).

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

B) semi-automatic action:

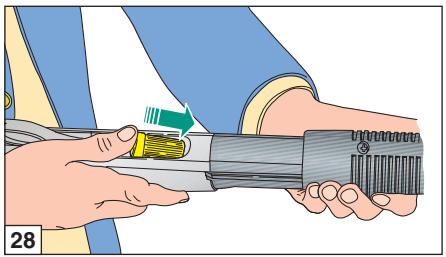
1) **Open the bolt** with the cocking lever (fig. 20). The first cartridge in the magazine will be deposited on the carrier.
2) Release the cocking lever so that the bolt can slide forward, chambering the cartridge on the carrier and coming to a stop in the closed position (fig. 18).

WARNING: after the first cartridge is chambered, the magazine contains one less cartridge. It is possible to insert another cartridge in the magazine, in the manner outlined above, to keep it fully loaded.

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.

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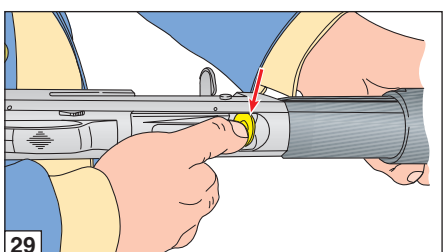
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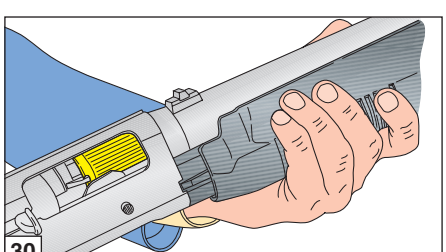
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Cartridge replacement

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

The round in the chamber may be manually replaced with a different round from the magazine or another round by following the steps outlined below, depending on the type of action selected.

A) pump action *(replacement with a cartridge from the magazine)*

1) **Engage the safety catch. Open the bolt** by pulling on the fore-end lever (fig. 17). The cartridge in the chamber is ejected by the extractor and the first cartridge in the magazine is automatically deposited onto the carrier (fig. 31).
2) Close **the bolt** by pushing forward the fore-end lever. When closing (fig. 30), the bolt chambers the cartridge on the carrier and comes to a stop in the closed position (fig. 18).

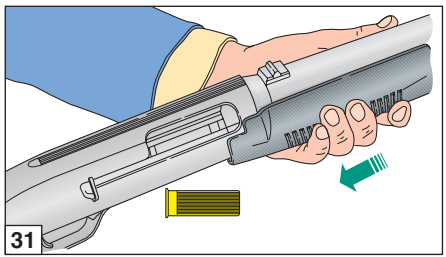
(replacement with a cartridge not from the magazine)

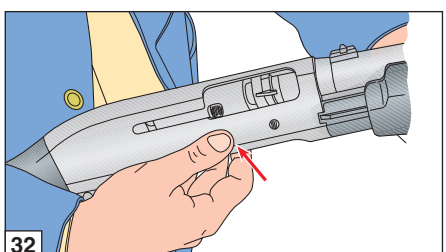
1) **Engage the safety catch.** Push the carrier inside the receiver (fig. 32) and, at the same time, open the bolt by pulling the fore-end lever (fig. 17). The cartridge in the chamber is ejected by the extractor but no cartridge is fed from the magazine.
2) **Insert** the new cartridge, even partially, into the chamber through the ejection port (fig. 33) and close the bolt (fig. 30) by pushing the fore-end lever forward. When closing, the bolt chambers the partially inserted cartridge and comes to a stop in the closed position (fig. 18).

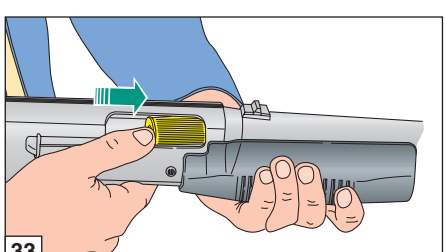
B) semi-automatic action

All the steps listed above relating to pump-action operation also apply to semi-automatic action. Obviously the bolt is opened by pulling back the cocking lever (fig. 20) and not the fore-end lever.

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







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, depending on the type of action selected, follow the steps outlined below:

A) pump action

1) **Engage the safety catch.** Open the bolt by pulling back the fore-end lever (fig. 17). The cartridge in the chamber is ejected by the extractor and the first cartridge in the magazine is automatically deposited onto the carrier (fig. 31).
2) **Close the bolt** by pushing forward the fore-end lever. When closing (fig. 30), the bolt chambers the cartridge on the carrier and comes to a stop in the closed position (fig. 18).
3) Repeat the steps above until all the cartridges in the magazine are ejected. Once the last cartridge is ejected the bolt will automatically remain open (fig. 17).
4) To close the bolt press the carrier release (fig. 18) freeing the bolt to snap forward.

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

B) semi-automatic action

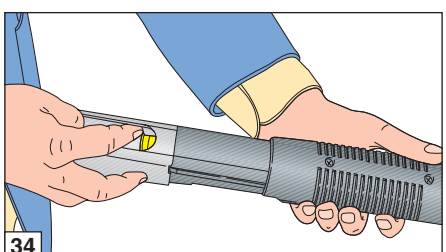
The steps listed for unloading in pump-action operation also apply to semi-automatic action. Obviously the bolt must be opened by pulling back the cocking lever (fig. 20) and not the fore-end lever.

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

The shotgun can also be unloaded without having to progressively chamber all the cartridges in the magazine. In this case one must:

1) **Engage the safety catch.** Push the carrier inside the receiver (fig. 32) and, at the same time, open the bolt by pulling the fore-end lever (fig. 17) or the cocking lever (fig. 20). The cartridge in the chamber is ejected by the extractor.
2) Close the bolt (fig. 18).
3) Turn the shotgun a cartridge and, pushing the carrier downward, press the front part of the carrier latch sideways with the left and index finger (fig. 34).
4) The first cartridge in the magazine will be pushed out and into the right hand (fig. 35). The carrier latch must be pressed for each cartridge that needs to be extracted from the magazine.

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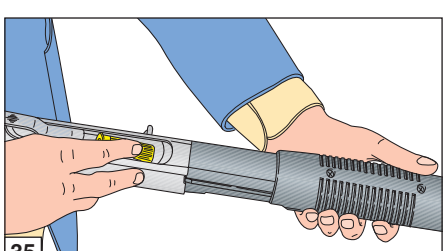
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Troubleshooting

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 10).
3) **Check that the selection ring is properly set for pump or semi-automatic action.** Follow the instructions in the section "Action selection".
4) **Check the firing mechanism**. If necessary, clean and lubricate it.

Barrel locking cap

Especially after having fired the first shots, make sure that the barrel locking cap is tightly screwed onto the receiver, so that **the barrel is completely locked on.**

Ammunition

The Benelli M3 SUPER 90 shotgun, when operating in semiautomatic mode, uses the kinetic energy generated by the recoil to work the action.

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

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.

When operating in semi-automatic mode, the shotgun should always be fired with ammunition powerful enough to cycle the action completely.

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

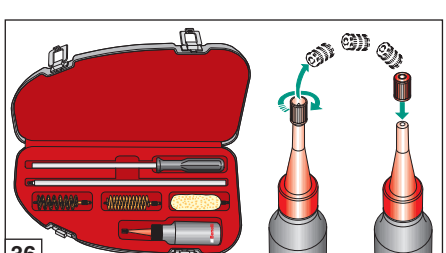
Maintenance

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.

NOTE: **for maintenance of the choke and relative seat, carefully read the instructions in the "Internal choke" paragraph, page 24.**

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. 36).

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.**

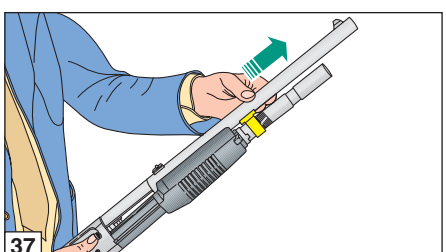
Shotgun stripping

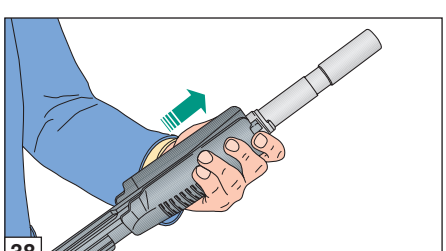
(for cleaning and maintenance)

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) Switch **the selection ring** on the front of the fore-end lever to manual (pump action). (See the section "Action selection").
2) Slacken the screw and remove the barrel-magazine tube retaining ring (fig. 15) from its seat on the magazine tube (fig. 14).
3) Remove the barrel **cap** from the magazine (fig. 11).
4) Slide the sling swivel off the magazine tube.
5) Take the shotgun with the hand and pull **the barrel** forward sliding the barrel ring along the magazine (fig. 37) until it comes off.
6) Separate the **selection ring-fore-end lever unit** from the bolt-swivel unit by keeping the selection ring twisted clockwise with the thumb of the hand holding the fore-end lever and pulling the unit off the tubular magazine (fig. 38).





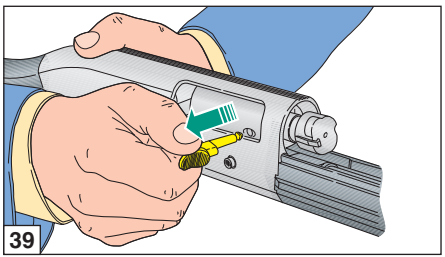
7) Pull the **cocking lever** off with a firm tug (fig. 39).

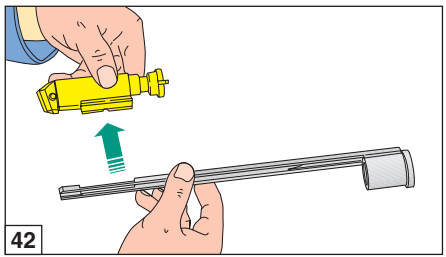
8) Remove the bolt-swivel unit from the receiver and slide it off the tubular magazine (fig. 40), being careful not to drop the bolt unit once it is out of its guides (fig. 41) and separated from the swivel.

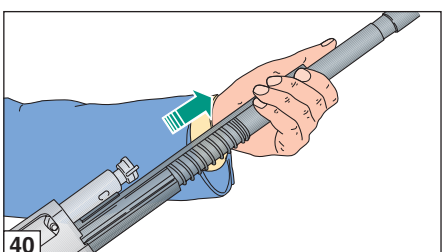
9) Separate **the swivel** from the bolt unit (fig. 42).

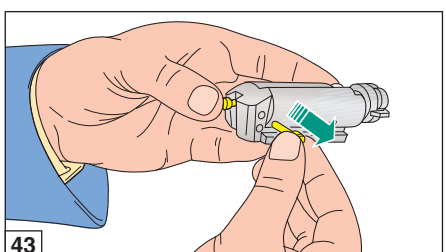
10) Pull **the firing pin retaining pin** out of the bolt unit, being careful not to let the **unretained** firing pin be pushed out of the bolt by its spring (fig. 43).

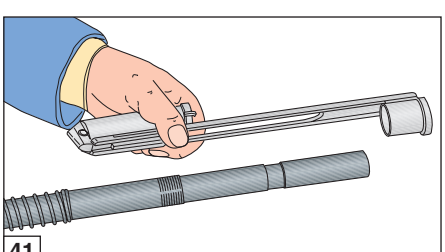
11) Remove the firing pin and firing pin **spring** from the bolt (fig. 44).

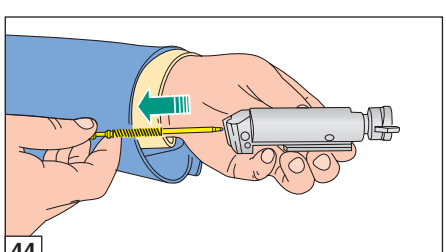












12) Remove the locking head rotating **pin** from its seat (fig. 45).

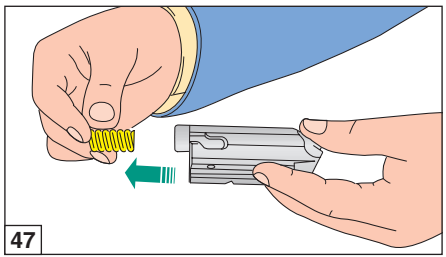
13) Remove the **bolt locking head** from the bolt (fig. 46).

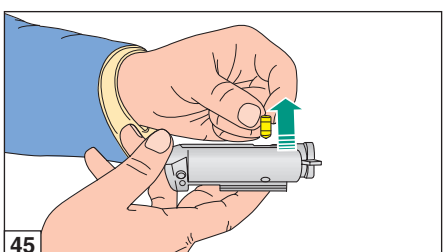
14) Remove the **recoil spring** from its seat in the bolt (fig. 47).

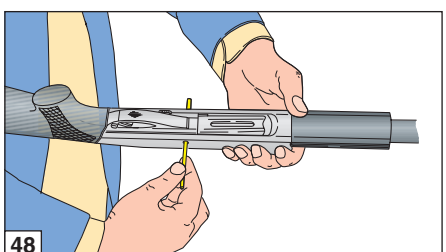
15) Extract the **trigger guard pin** from the stock-receiver unit, thrusting it from right or left with the point of the same firing pin or punch (fig. 48).

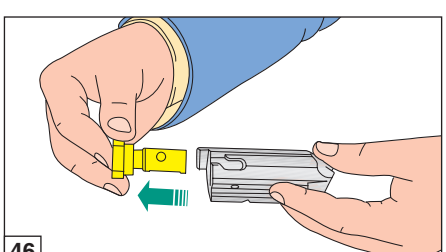
16) **Press** the carrier button and **extract** the trigger guard assembly towards the front (fig. 49).

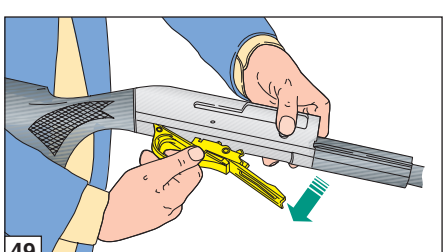
The shotgun is now completely stripped. All the parts that require routine maintenance and cleaning are disassembled.











Shotgun assembly

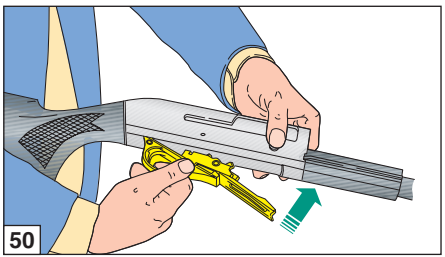
For correct assembly after cleaning and maintenance operations, proceed as follows:

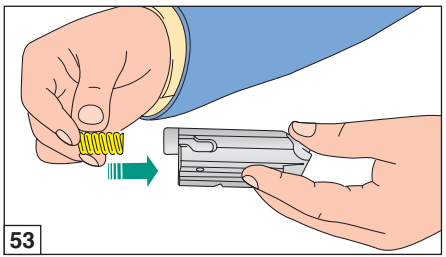
1) Grip the stock-receiver assembly and **press** the carrier button so that the whole protection cover unit is simultaneously fitted into the receiver **(hammer must be cocked)** and is kept in a slightly advanced position compared to its final position (fig. 50). Slightly withdraw the whole protection 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. 51).
2) Push the trigger guard **pin** into the receiver from the right or left, until it is completely inside (fig. 52).
3) Slide the bolt recoil **spring** into its appropriate position (fig. 53).

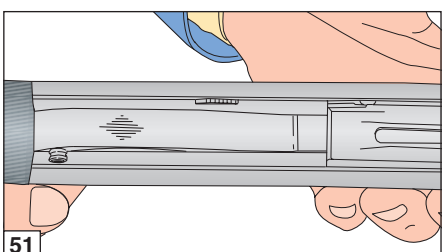
NOTE: **always** make sure that the bolt recoil spring is positioned **between the locking head and the bolt itself**, in order to avoid **a shot being fired** during the closing phase.

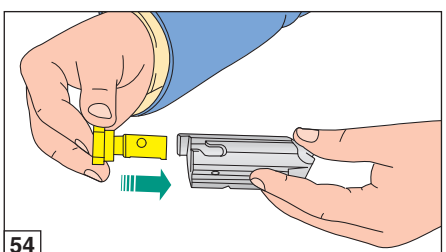
4) Slide the **locking head** into the bolt, making sure that the **hole** on its stem coincides with the **slot** on the bolt (fig. 54).

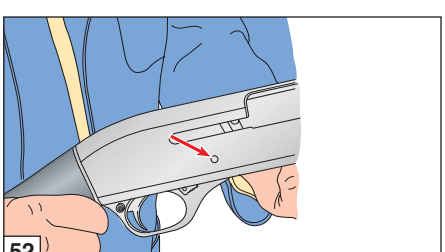
WARNING: the slanted surfaces on the locking head's stem should **not be visible** once the bolt locking head is mounted.

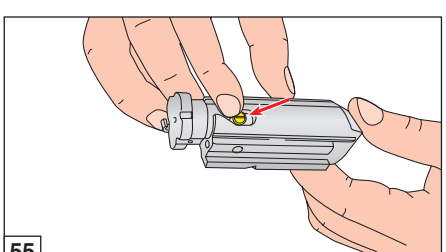












5) Insert the locking head **pin** in its hole on the locking head's stem, through the slot on the bolt (fig. 55).

NOTE: the reference line on top of the pin must be **visible and aligned** with the bolt assembly longitudinal axis (fig. 55).

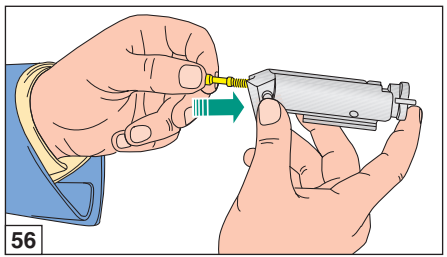
6) Insert **the firing pin** and the firing pin spring inside the bolt hole (fig. 56).

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. 57).

8) Bring **the bolt unit** together with the swivel (fig. 42) and snap them into place (fig. 58), holding them together with the fingers.

9) Hold the stock-receiver unit almost vertical and insert the **bolt-swivel** unit in its guide in the receiver (figs. 59-60) until fully inserted (fig. 61).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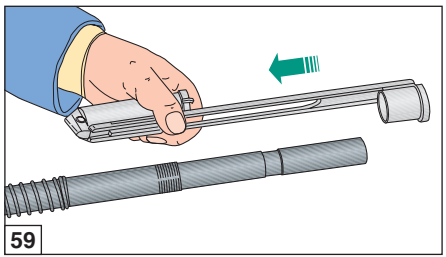
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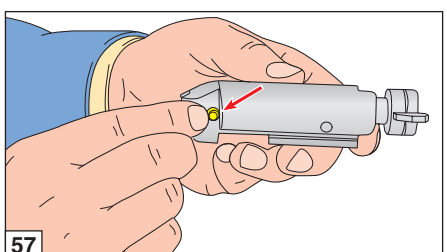
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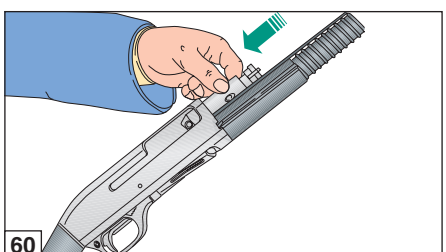
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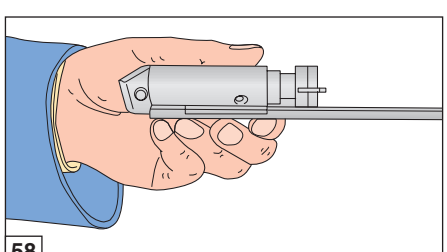
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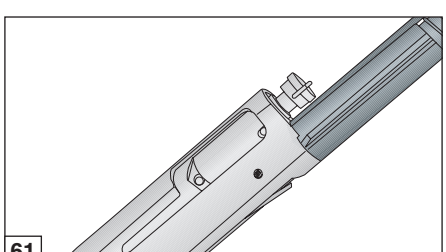
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10) Push **the cocking lever** into its seat hole on the bolt until it fits perfectly (fig. 3).

11) Slide **the selection ring-fore-end lever unit** over the tubular magazine (fig. 62), the swivel (fig. 63) and its guide (fig. 64).

12) Rotate completely clockwise the selection ring with the thumb of the hand holding the fore-end lever and pull the whole assembly back until the selection ring engages the swivel (fig. 65). Release the selection ring, which will rotate counterclockwise to its resting position, insuring that it remains joined to the swivel.

13) **Finish** assembling the shotgun by following all the steps (except the first) outlined under the section "Assembly of packaged gun" page 6.

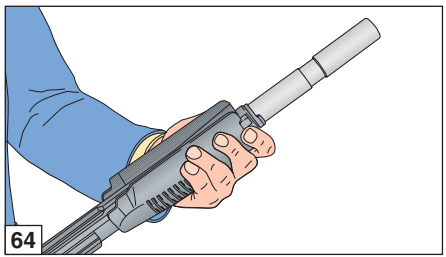
M3 TACTICAL TELESCOPIC STOCK

Assembly

Assembly procedure

1) Insert completely the **cocking lever** into the breech bolt unit (fig. 66).

As for the operations from point 2 to point 8, please refer to the M3 SUPER 90 version from page 6 to page 8 of this manual.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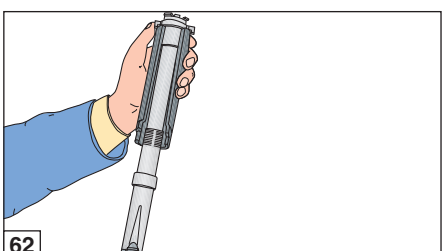
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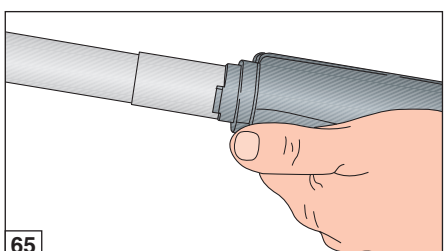
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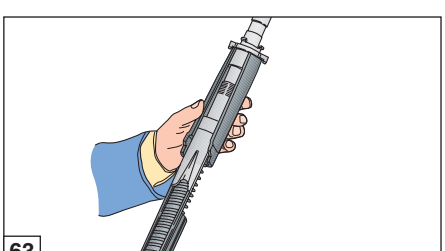
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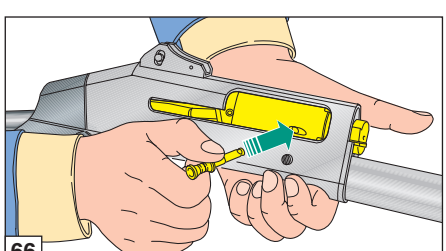

66

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

As for the operations from point 1 to point 6, please refer to the M3 SUPER 90 version to page 15 of this manual.

7) Twist and pull off **the cocking lever** (fig. 67).

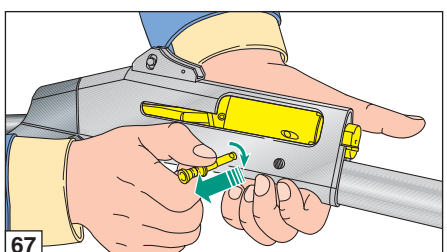
As for the operations from point 8 to point 14, please refer to the M3 SUPER 90 version from page 16 to page 17 of this manual.

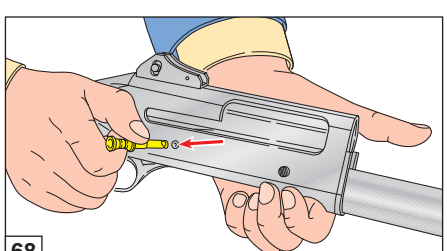
15) Extract **the axle bush** from the stock-receiver unit, pushing it with the point of the cocking lever (fig. 68).

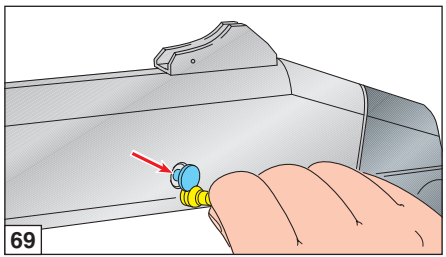
16) **Pull out the axle bush completely** operating on the left side and using the large end of the cocking lever (figs. 69-70).

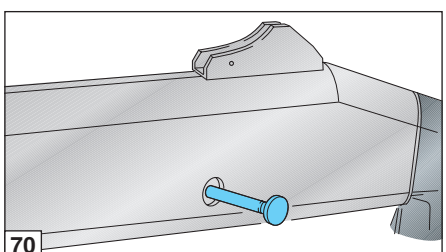
17) **Press** the carrier button and **extract** the trigger guard assembly towards the front (fig. 71).

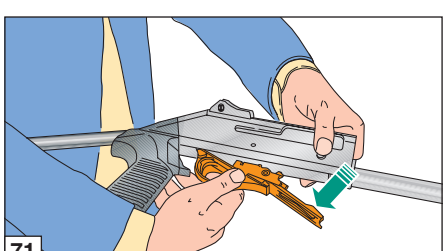
The shotgun is now completely stripped. All the parts that require routine maintenance and cleaning are disassembled.











Shotgun assembly

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

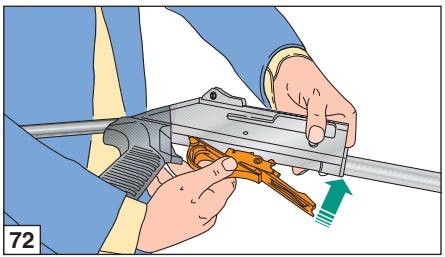
1) Lift the **stock-receiver** assembly as far as **the receiver** and press **the carrier button**, insert **the complete trigger group - with cocked hammer** - on the receiver in slightly forward position, then draw it back **until engaged** in the rear of the receiver itself (figs. 72-73).
2) Block the trigger guard assembly using the special **axle** (fig. 74).

As for the operations from point 3 to point 13, please refer to the M3 SUPER 90 version from page 18 to page 20 of this manual.

Telescoping stock

Adjusting

1) Press **the lock button** (fig. 75) and move the stock back as far out as it will go (fig. 76).
2) Press **the lock button** using more force to remove the stock completely (fig. 77).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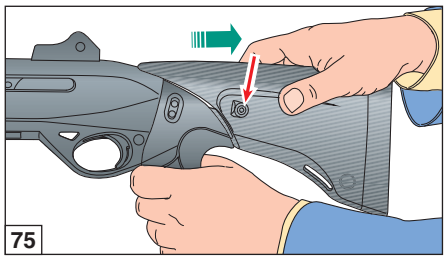
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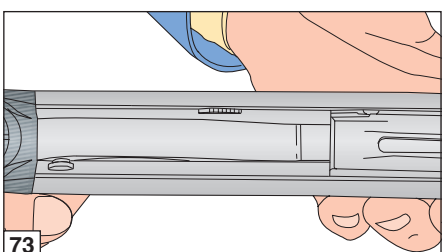
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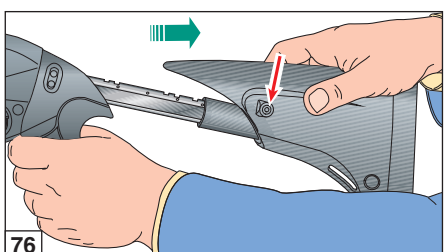
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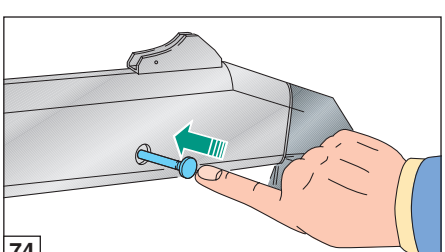
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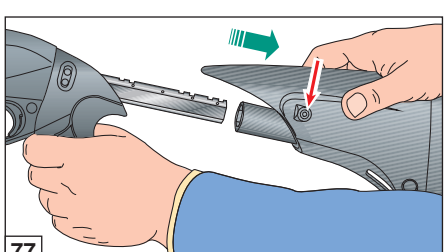
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Rear sight adjustment

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).

Windage (lateral) adjustment

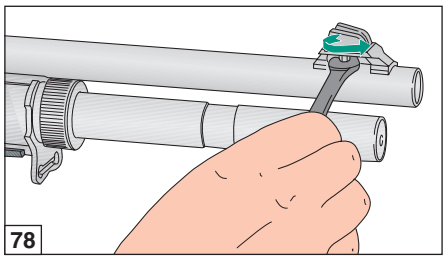
In order to adjust the **front sight** for windage proceed as follows:

1) Using a regular nut wrench, loosen **the front sight retaining nut** (fig. 78).
2) Shift the **front sight** as necessary. Shift to the left of the reference line (fig. 79) to move the aiming point to the right or shift to the right to move the aiming point to the left. Secure the front sight by tightening the retaining nut.
3) If the new front sight setting does not meet your shooting requirements, repeat the process.

ACCESSORIES AND ADJUSTMENTS
(All versions)

Magazine 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).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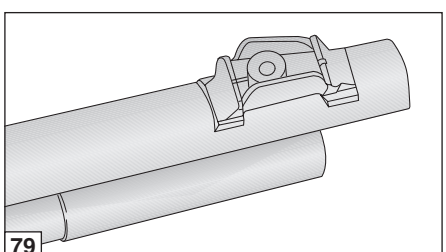
WARNING

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.

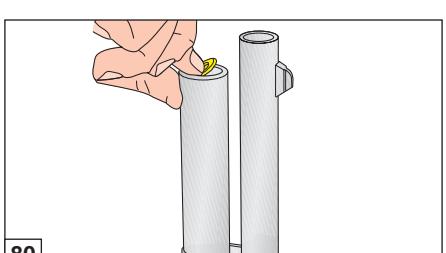
If the magazine spring escapes at high velocity severe eye injury or other injuries with serious consequences can occur.

The same care must be taken during assembly.


79

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. 80).
   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. 81).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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:

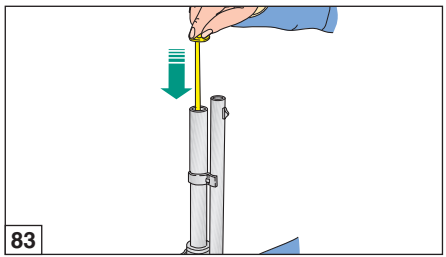
1) **With the gun unloaded**, point barrel upwards and insert the limiter into the appropriate fitting hole (fig. 82).
2) Take the limiter retaining ring in your hand and position it on the limiter. Ring should be **positioned at a slight angle** (fig. 83).
3) **Push** the limiter into the magazine tube, ensuring that the retaining ring enters properly (fig. 84).

   *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. 85).

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.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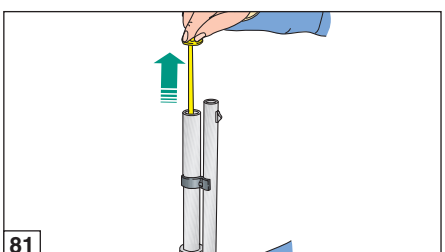
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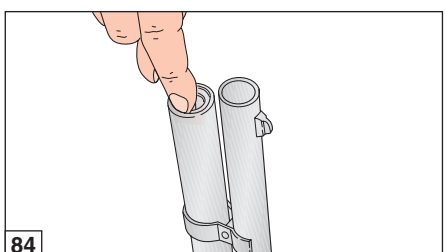
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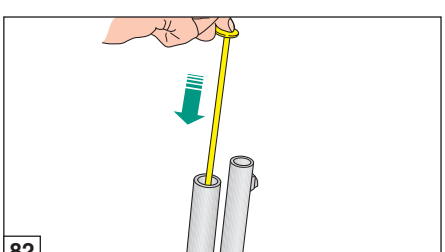
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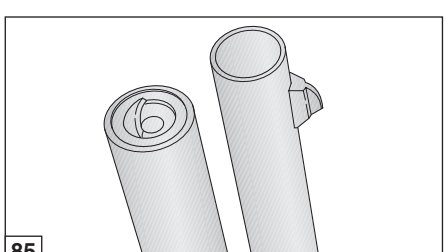

85

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

WARNING: the internal choke correctly mounted must not stick out of the barrel's muzzle. Use only the Benelli internal chokes with a length which correctly fits 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. 86).
2) If the threaded seat of the choke on the barrel **is too dirty**, clean it.
3) Reassemble the kind of choke required on the barrel seat, taking care to **insert the non-threaded part** inside the barrel; then screw the choke on the barrel thread (fig. 87).

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

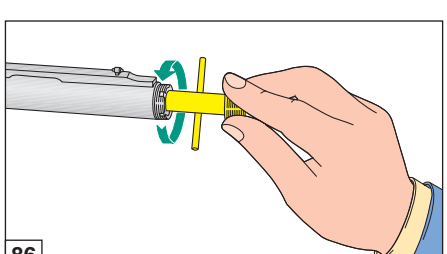
4) Finish the assembly of the choke by screwing it **firmly** using the choke wrench (fig. 88).

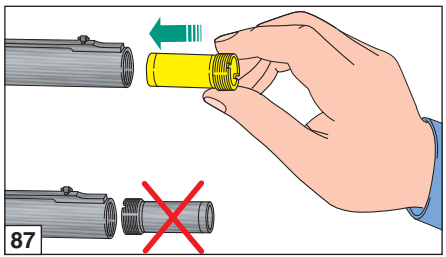
NOTE: before re-using the shotgun, **make sure that the choke wrench has been removed** from the barrel's muzzle.

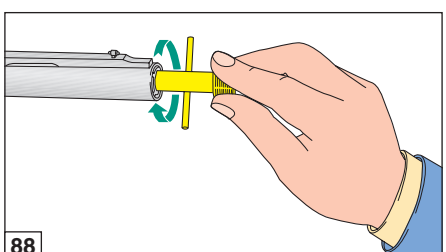
Before the shotgun is put away, cleaning the internal choke and relative barrel thread is recommended.

Benelli chokes are marked for an easy identification (fig. 89). Notches on the frontal part of each choke allow a quick recognition, even when the choke is mounted on the shotgun.

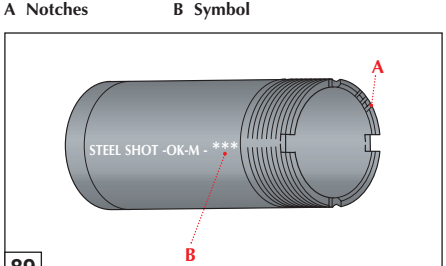
Notches	Choke	Symbol	Steel Shot
I	Full	X	NO
II	Improved Modified	XX	NO
III	Modified	XXX	OK
IIII	Improved Cylinder	XXXX	OK
IIIII	Cylinder	XXXXX	OK







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.

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. 90).

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.

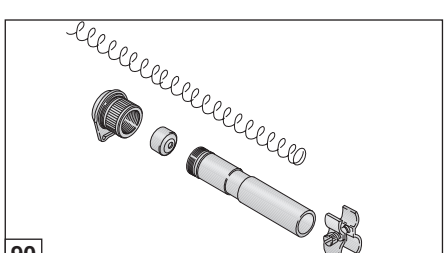
If the magazine spring escapes at high velocity severe eye injury or other injuries with serious consequences can occur.

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.



Rear sight adjustment
(ghost sight)

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).

Windage (lateral) adjustment

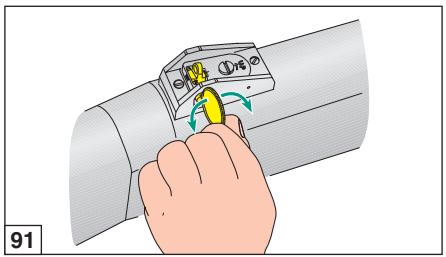
Using a coin or the rim of a shell cartridge to rotate the **windage adjustment screw** (fig. 91), located on the right side of the rear sight assembly, in the desired direction.

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. 92).

Elevation (vertical) adjustment

Use a coin or the rim of a shell cartridge to rotate the **elevation adjustment screw** (fig. 93), 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.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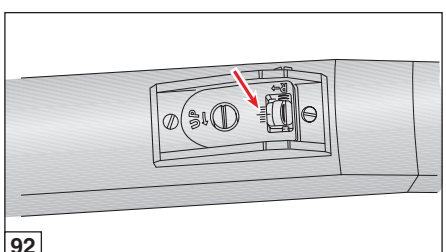
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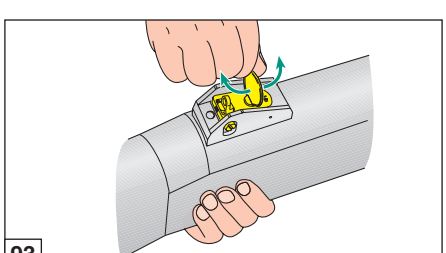
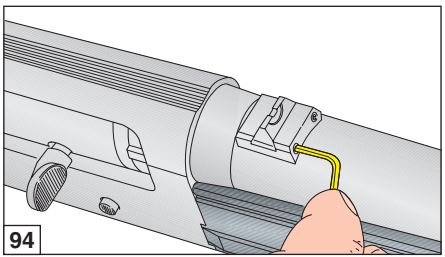

93

Rear sight adjustment
(open sight)

If the standard factory settings do not meet individual firing requirements, it is possible to adjust the windage of the rear sight.

For the adjustment of the rear sight proceed as follows:

1) Using the wrench provided, slacken the two sight screws (fig. 94).
2) Adjust the sight position as desired and fully tighten the two screws (fig. 94).
3) If the new rear sight setting does not meet your shooting requirements, repeat the process.

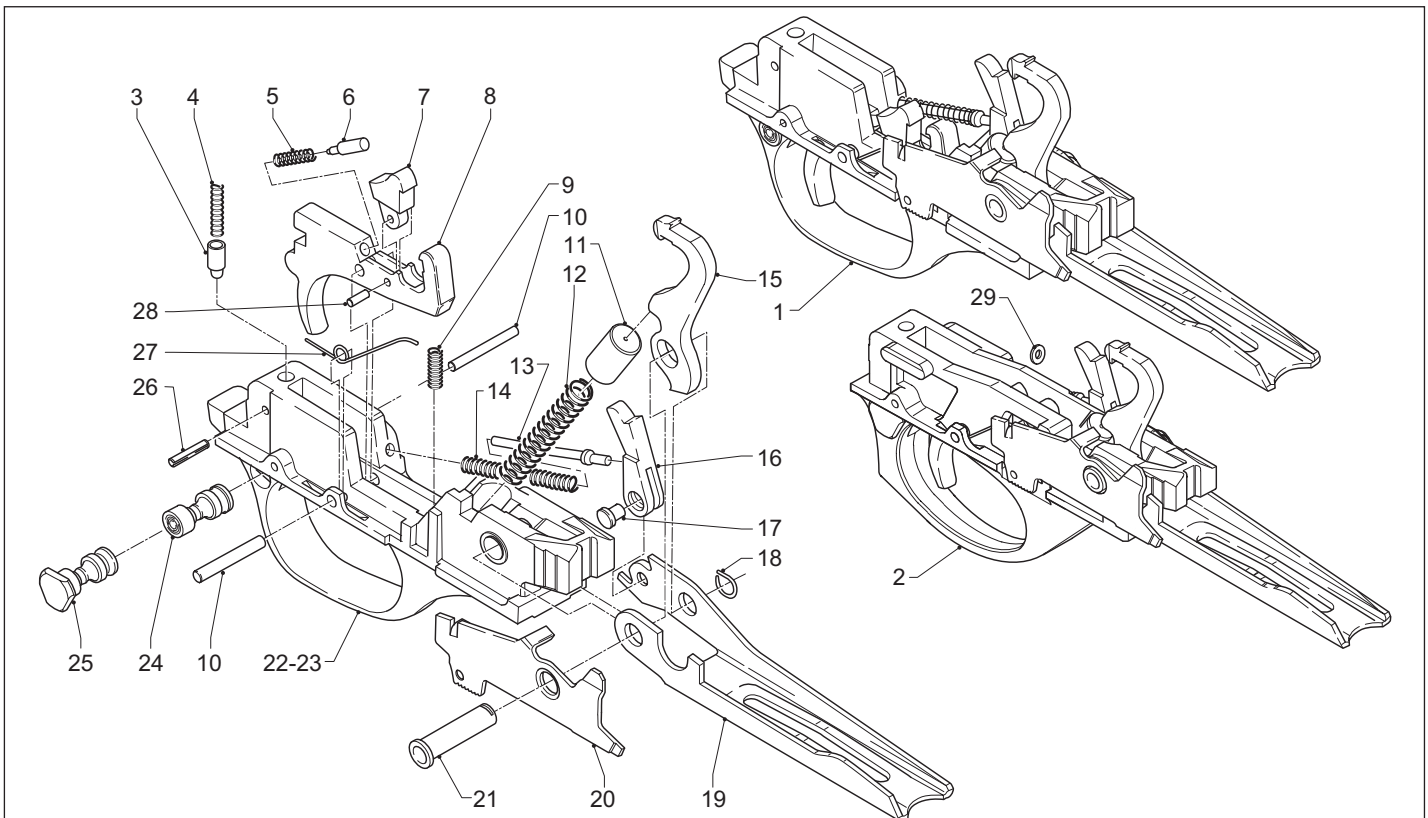

94

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

M3 Super 90 - Telescopic Stock

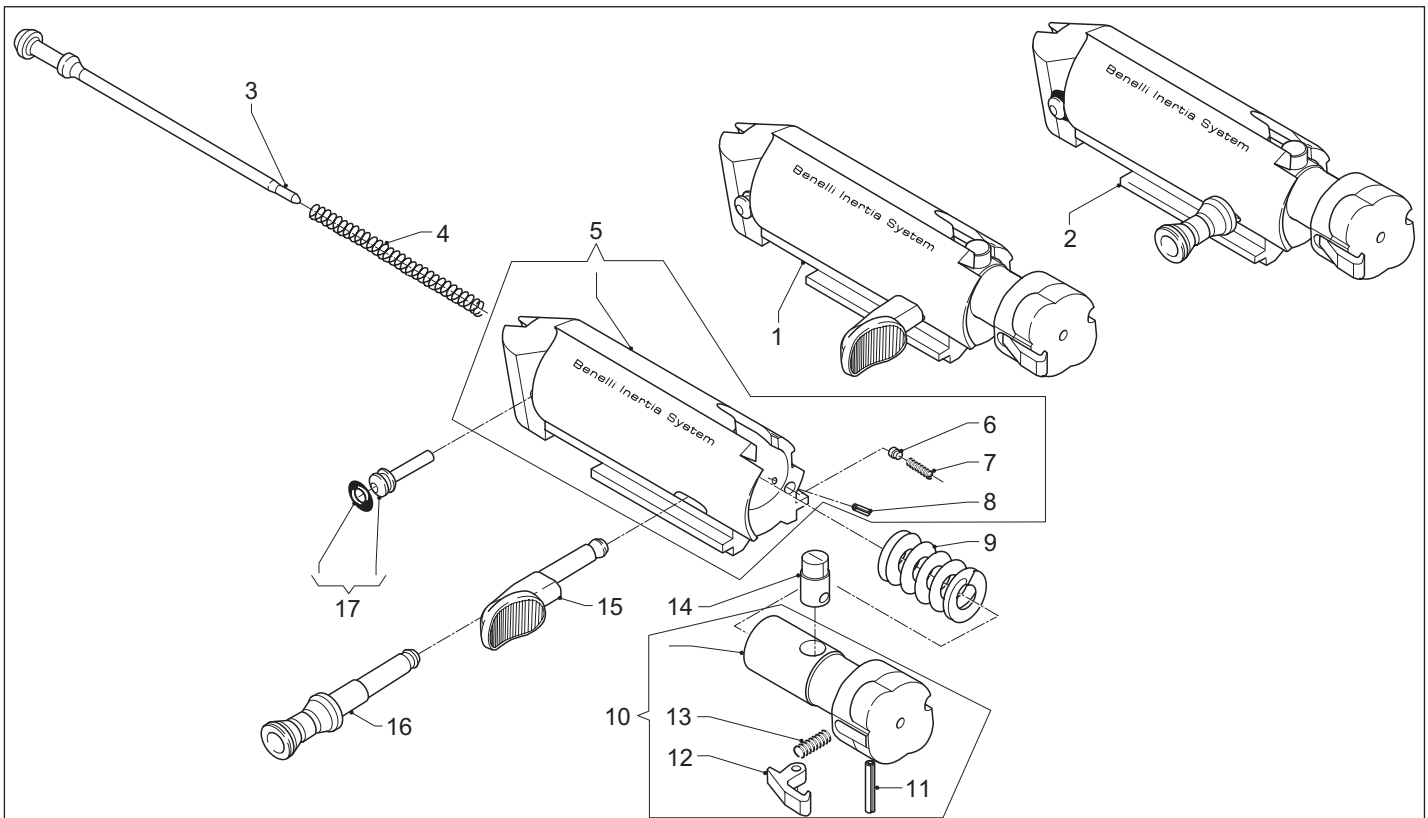


Pos. No.	Code	Description
1	001F	Trigger guard assy
2	001F	Trigger guard assy (Telescopic Stock)
3	008A	Plunger
4	007A	Spring
5	277J	Spring
6	045J	Pin
7	005C	Disconnector
8	009C	Trigger
9	011J	Spring
10	010A	Trigger pin
10	010L	Trigger pin (Telescopic Stock)
11	003A	Cap
12	004A	Spring
13	022A	Pin
14	021A	Spring
14	021J	Spring (Telescopic Stock)
15	002B	Hammer
16	019A	Stop tooth
17	020A	Pin
18	018A	Spring
19	017C	Carrier
19	017F	Carrier (Telescopic Stock)
20	076F	Cartridge drop lever
21	016J	Pin

Pos. No.	Code	Description
22	014B	Trigger guard
23	014B	Trigger guard (Telescopic Stock)
24	013C	Safety button
25	013J	Safety button (Telescopic Stock)
26	006P	Retaining pin
27	077B	Spring
28	023A	Pin
29	243F	Washer

Drawing 2

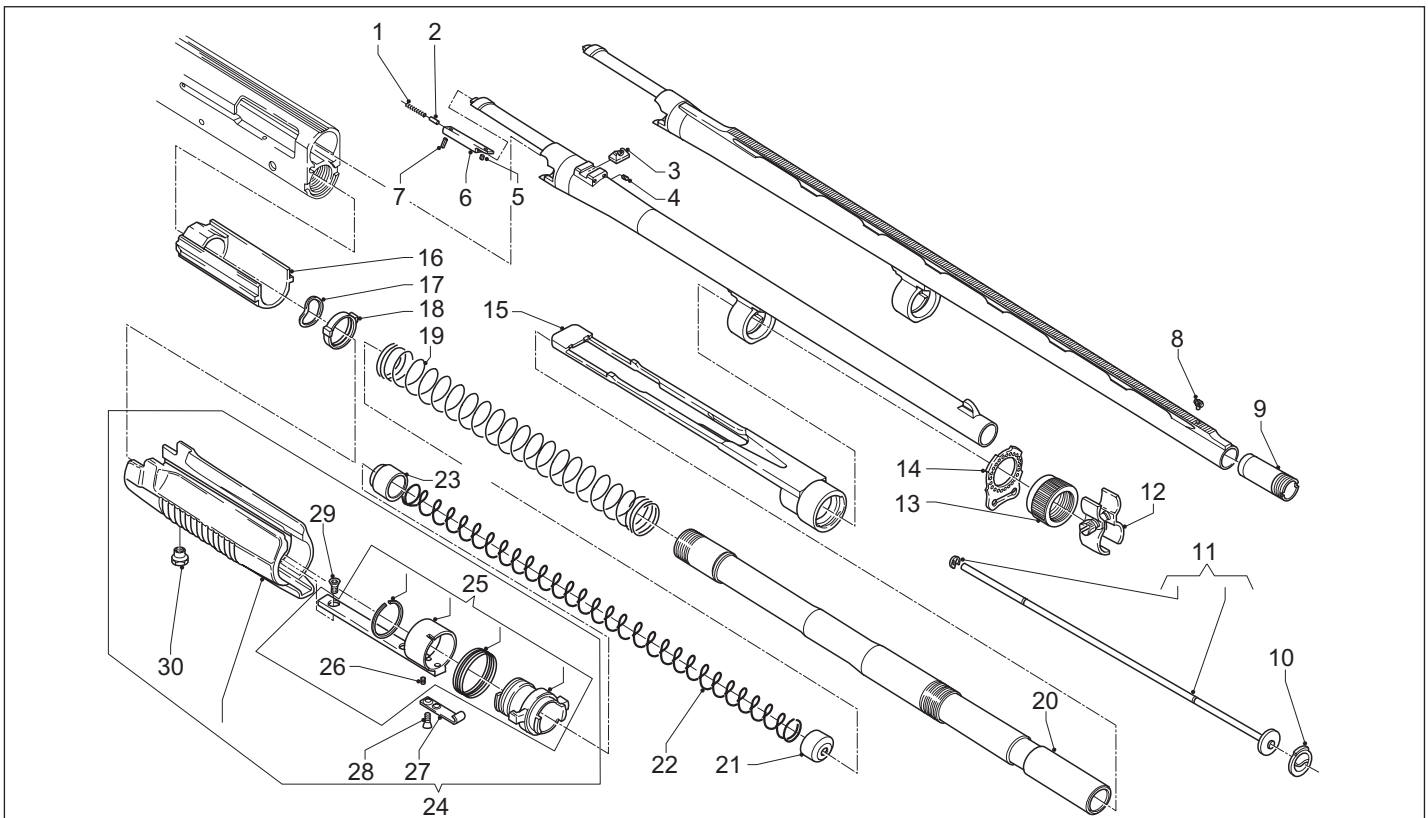
M3 Super 90 - Telescopic Stock



Pos. No.	Code	Description
1	024F	Bolt assy
2	024F	Bolt assy (Telescopic Stock)
3	025B	Firing pin
4	037A	Spring
5	026F	Bolt, partial
6	039J	Pin
7	038J	Spring
8	040A	Pin
9	036A	Spring
10	165A	Locking head assy
11	035A	Pin
12	034A	Extractor
13	033J	Spring
14	031B	Pin
15	030C	Bolt handle
16	030J	Bolt handle (Telescopic Stock)
17	028A	Retaining pin

Pos. No.	Code	Description

Drawing 3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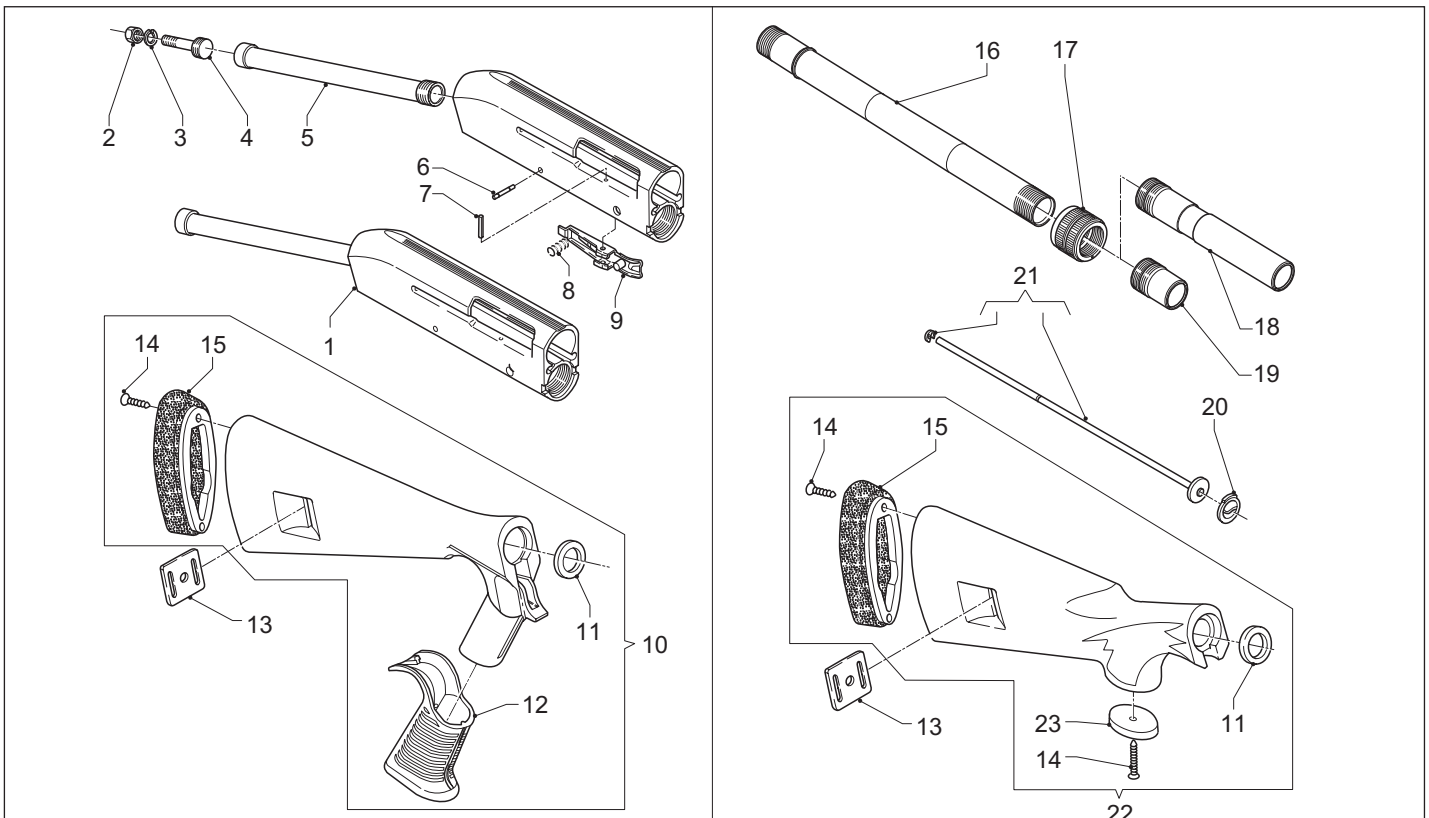
Pos. No.	Code	Description
1	046J	Spring (3″- Magnum chamber)
2	045J	Ejector pin
3	042C	Rear sight
4	043C	Screw
5	172J	Pin
6	168J	Ejector frame (3″- Magnum chamber)
7	047J	Pin
8	044B	Front sight
9	213G	Internal choke
10	086C	Retaining ring
11	085C	Three round limiter
12	241F	Magazine tube retaining ring assy
13	069F	Cap
14	067F	Ring
15	095F	Bolt swivel
16	088F	Fore-end slide support
17	072F	Spring washer
18	071F	Washer
19	100F	Spring
20	066F	Magazine tube
21	068C	Magazine tube plug
22	064C	Spring
23	065G	Magazine follower
24	170F	Fore-end assembly - selector

Pos. No.	Code	Description
25	189F	Selector assy
26	091F	Screw
27	101F	Plate
28	063P	Screw
29	090F	Screw
30	103F	Nut

Drawing 4

M3 SUPER 90

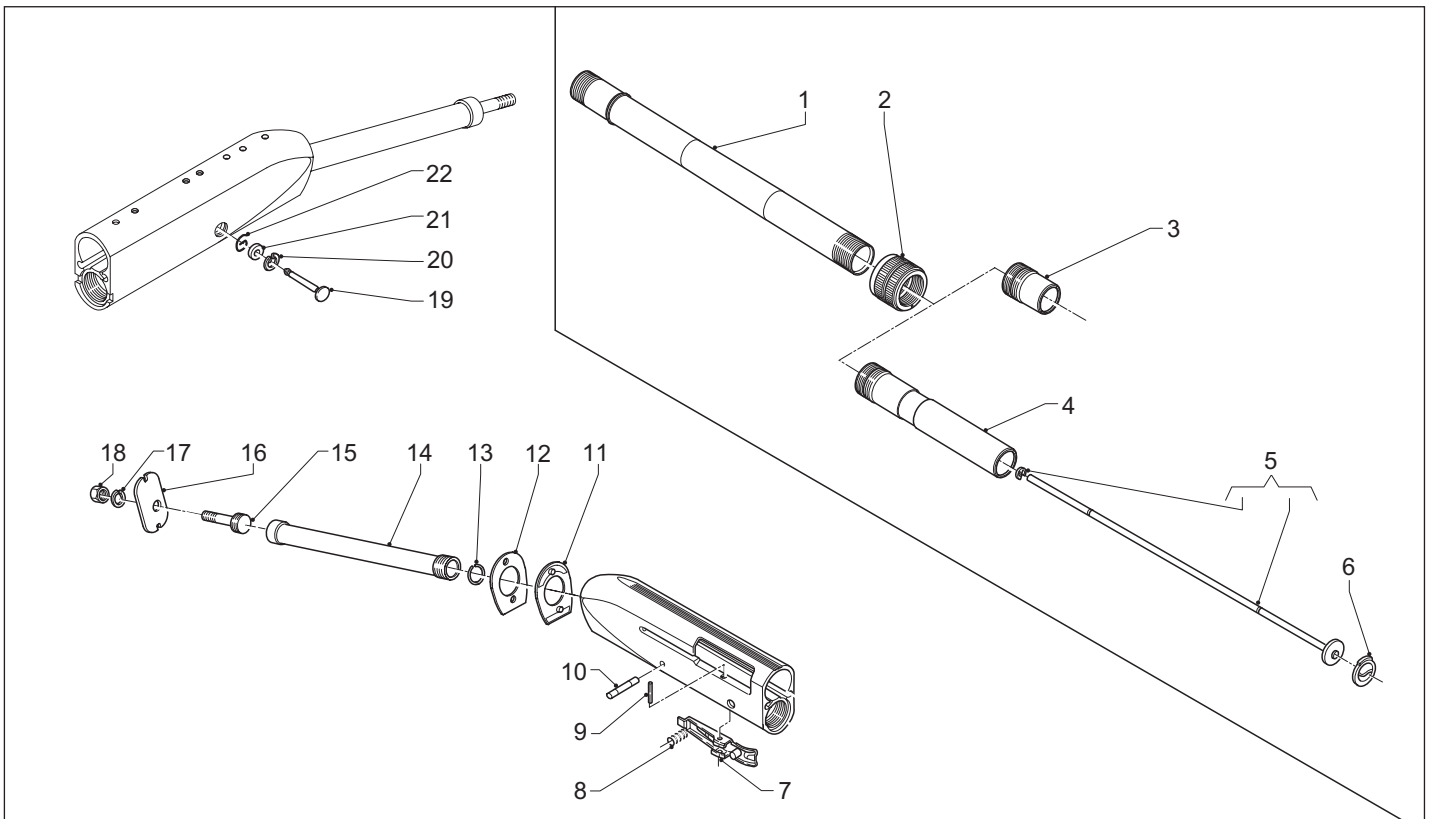


Pos. No.	Code	Description
1	059F	Receiver assy
2	053A	Nut
3	052A	Spring washer
4	050B	Screw
5	049D	Recoil spring tube
6	015A	Pin
7	056B	Retaining pin
8	058J	Spring
9	057F	Carrier latch
10	160C	Pistol-grip stock assembly
11	075C	Ring
12	083C	Grip
13	063C	Swivel plate
14	062C	Self-threaded screw
15	061C	Rubber butt plate
16	313F	Magazine tube
17	312F	Ring
18	144F	Magazine extension (long)
19	145F	Magazine extension (short)
20	086C	Retaining ring
21	085C	Three round limiter
22	161C	Stock assy (stock - rubber butt plate)
23	078C	Plug

Pos. No.	Code	Description

Drawing 5

Telescopic Stock

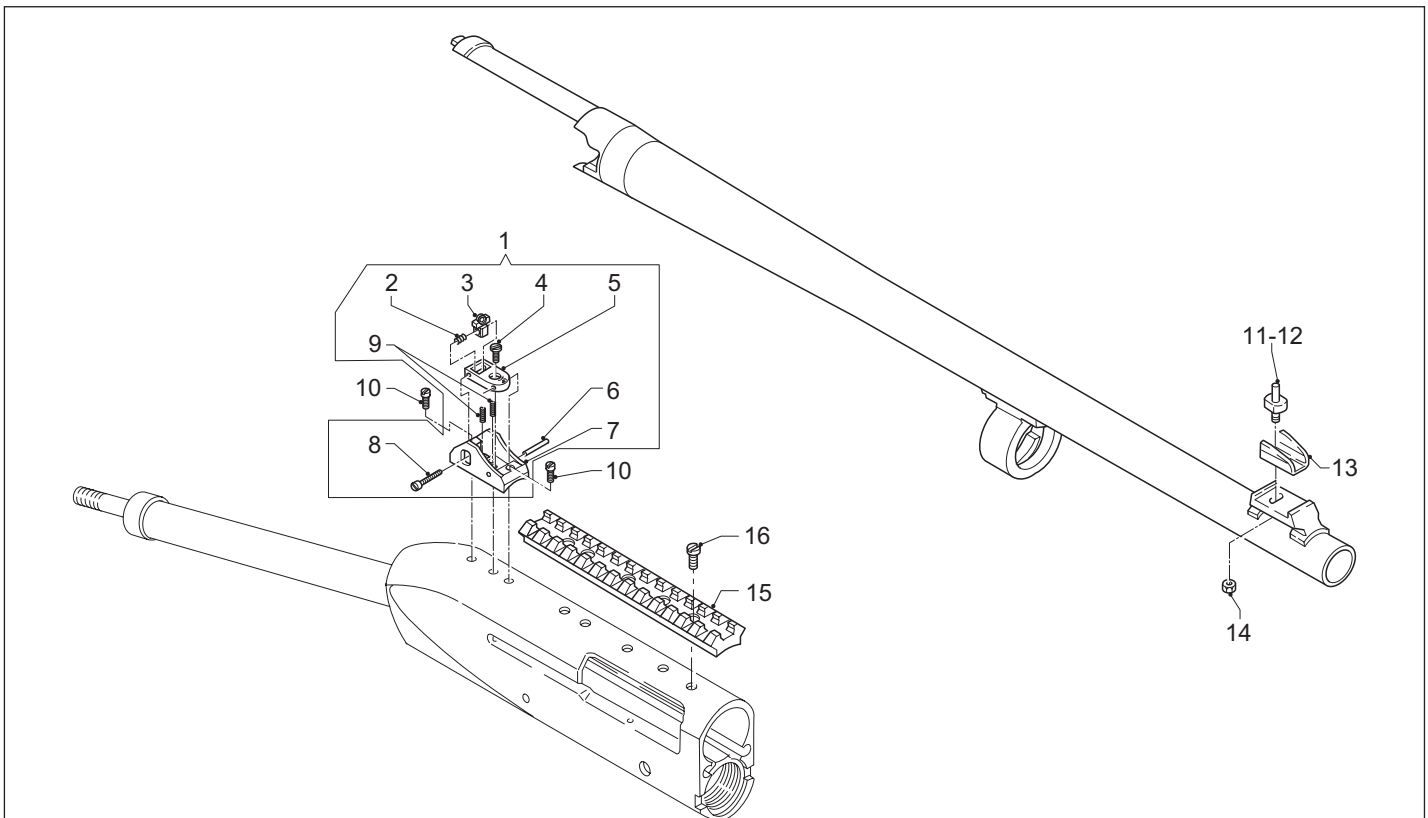


Pos. No.	Code	Description
1	313F	Magazine tube
2	312F	Ring
3	145F	Magazine extension (short)
4	144F	Magazine extension (long)
5	085C	Three round limiter
6	086C	Retaining ring
7	057F	Carrier latch
8	058J	Spring
9	056B	Pin
10	015A	Pin
11	147Y	Drop change shim
12	286G	Cast change shim
13	183L	Retaining ring
14	049D	Recoil spring tube
15	050B	Screw
16	150W	Locking plate
17	052A	Elastic washer
18	053A	Nut
19	015J	Pin
20	266J	Circlip
21	267J	Retaining spacer
22	268J	Retaining spring

Pos. No.	Code	Description

Drawing 6

Telescopic Stock - Combat

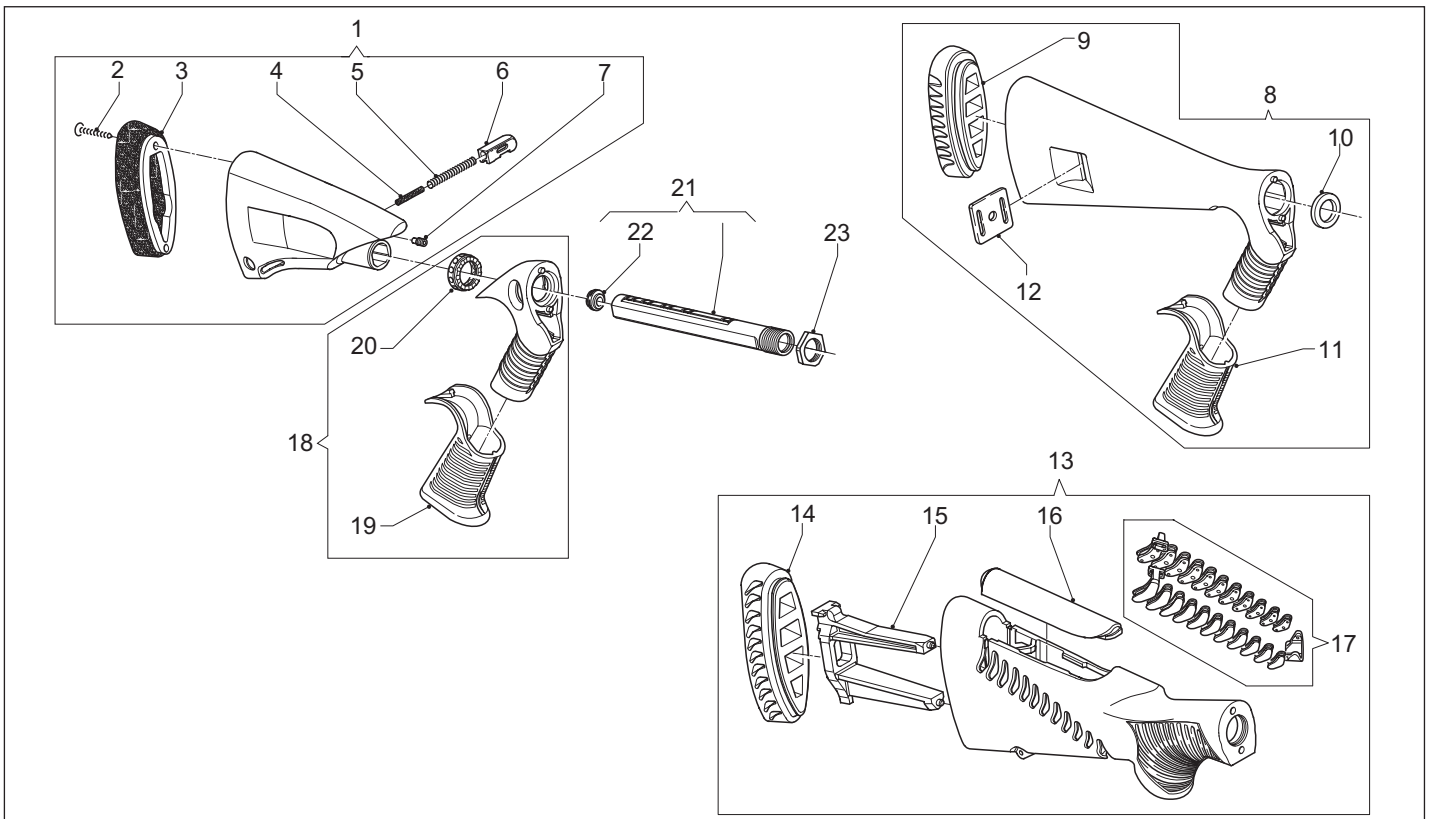


Pos. No.	Code	Description
1	127C	Rear sight assy
2	258C	Spring
3	253C	Ring
4	255C	Screw
5	254C	Support
6	257C	Pin
7	126C	Protection guard
8	256C	Screw
9	259C	Spring
10	128C	Screw
11	110C	Front sight
12	110F	Front sight (Combat)
13	111F	Front sight protection guard
14	113J	Nut
15	260N	Telescope support
16	128S	Screw

Pos. No.	Code	Description

Drawing 7

Telescopic Stock

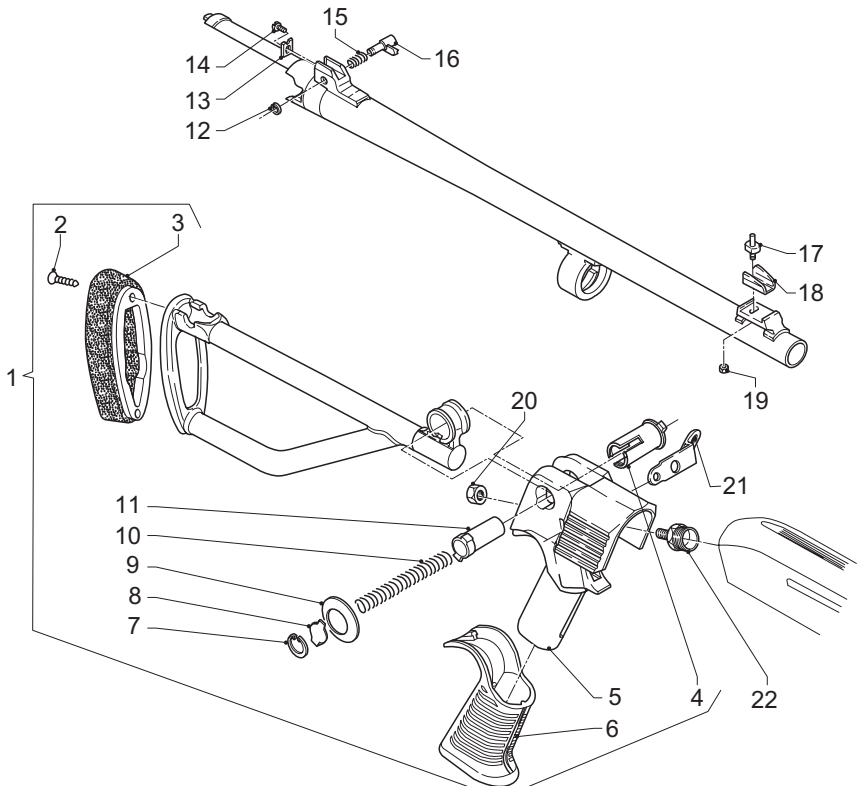


Pos. No.	Code	Description
1	265S	Telescoping stock assy
2	062C	Screw
3	061C	Rubber butt plate
4	395S	Stock clickstop pin
5	004A	Spring
6	108S	Pin
7	224N	Pin
8	160C	Pistol-grip stock assy
9	151T	Rubber butt plate
10	075C	Ring
11	083C	Grip
12	063C	Swing swivel plate
13	159S	Comfortech stock
14	394G	Rubber butt plate
15	149C	Stock inner part
16	380S	Comb
17	379G	Chevrons assy
18	117S	Pistol grip handle assy
19	083J	Rubber grip
20	075S	Nut
21	166S	Stock tube assy
22	050J	Tube cap
23	075J	Ring nut

Pos. No.	Code	Description

Drawing 8

Folding Stock



Pos. No.	Code	Description
1	171F	Grip folding stock assy
2	129F	Screw
3	061C	Butt plate
4	115F	Bushing
5	117F	Grip frame
6	083C	Grip
7	118F	Blocking ring
8	119F	Bushing cap
9	120F	Flat return spring
10	121F	Spring
11	122F	Stock locking pin (open)
12	106F	Ring
13	105F	Rear sight
14	104F	Screw
15	107F	Spring
16	108F	Stock locking pin (folded)
17	110F	Front sight
18	111F	Front sight protection guard
19	113J	Nut
20	053A	Nut
21	114F	Sling swivel
22	116F	Grip frame retaining pin

Pos. No.	Code	Description