

**NEO SEMI-AUTOMATIC  
OWNER'S MANUAL**

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## 1. BRIEF HISTORY

Naturally gifted Master Celal YOLLU, the founder of Ata Arms started to write his success story in the middle of Anatolia as follows...

Celal YOLLU discovered his talent for mechanics at very young age in Incesu/Kayseri, where he was born in 1942, and there attained a legendary success on assembling, disassembling, and producing any mechanical tool he saw. He overmastered many shotguns that many repairmen could have not repaired. In 1955, when he was just thirteen, the first signs of the success that he would attain already became apparent. That year, he produced, on his own, a break action shotgun which would become

a success history that would open his disparate doors and to which he would dedicate his life. But of course it would not be expected the master to content himself with a single shotgun. So he opened a workshop where he would be able to produce better and make his dreams come true. This initiative and the successful moves he made were enough him to have a corner on the local market soon.

That's how the story of turning from a humble workshop into a well-known shotgun brand began in a small district of Anatolia. In 1967, Celal YOLLU's innovative humour always aiming better enable our founder to produce the first side by side shotgun of Turkey.



Each successful design gradually increased the demand, and accordingly the production. This acceleration made our founder's decision to move to Düzce-the centre of Turkish firearm industry. There, as an industry leader, he broke new ground soon and manufactured the first over-under shotgun of Turkey. Celal YOLLU has also engaged in new generation master gunsmith trainings which he has carried out in coordination with his career. His success and vision prompted him to focus on R&D works which has provided him competitiveness.

In 1990, Celal YOLLU moved to Istanbul in order to be in close touch with the world market, and became a kind of legend who made a distinguished name for himself with the guns he manufactured, wherever he went. His efforts in Istanbul soon after brought results, and Celal YOLLU again broke new ground and manufactured the first semi-automatic shotgun of Turkey, under "Vursan" brand.

Vursan, which has attracted attention in the sector and became a legend with its achievements, started to receive business partnership offers from world's leading companies, and in 2000 it accepted the offer of Beretta Group and established a strong partnership.

Today, ATA brands, which have gained more popularity with their quality and reliability, have become worldwide known, acknowledged quality brands.

## 2. INTRODUCTION

We would like to thank you for choosing ATA NEO semi-automatic shotgun, the new member of ATA ARMS family. With its dynamic design and unique appearance, it is a novel product pleasing to the eye.

The reliable system of this semi-automatic shotgun eliminates the problems such as cleaning, failure with different range of loads, etc. in different products, thereby makes a difference by enabling the hunter to focus his attention on his shot. Furthermore, recoil pressure, generated during high range of loads cartridge shot, has been reduced thanks to its emerging system.

**WARNING: This operating manual contains important warnings, and must be attentively read before the shotgun used.**

Please keep a copy of this manual for future reference. If you sell or lend your shotgun, please provide this operating manual together with it. You can obtain a copy of this operating manual from the webpage of our company.



### 3. USING CORRECT AMMUNITION

This semi-automatic shotgun contains magnum [76mm (3-inches)] chamber.

12 gauge Neo semi-automatic shotguns are designed for cartridges between 24 (7/8 oz.) and 50 (1 3/4 oz.) grams.

20 gauge Neo semi-automatic shotguns are designed for cartridges between 25 (7/8 oz.) and 36 (1 1/4oz.) grams.

**WARNING: ATA ARMS specifically disclaims responsibility for any damage or injury whatsoever occurring in connection with, or as a result of, the use of faulty, or non-standard, or “remanufactured” or hand-loaded or reloaded ammunition, or any ammunition other than those for which the firearm was originally chambered. DO NOT USE popper-load (sound), rubber and less lethal cartridges.**

**WARNING: DO NOT USE steel ammunition with chokes # 1 and 2.**

**WARNING: DO NOT USE single slug with chokes # 1, 2 and 3.**

### 4. SAFETY RULES

**Please attentively read the following safety rules before you use your shotgun.**

- a) DO NOT point your shotgun at any person, regardless of it is being loading or not.
- b) DO NOT aim your shotgun towards anywhere unsafe for shooting. DO NOT shoot at firm soil or into water.
- c) Keep safety button engaged until you get ready for shooting (red warning line must disappear).
- d) Keep your finger off the trigger until you decide to shoot.
- e) Make sure that the bore is clean.
- f) Learn the operating principle and safety features of your gun very well. However, do not forget that no safety mechanism substitutes for safe use procedures.
- g) Keep your shotgun out of reach of children.
- h) DO NOT delay maintenances of your shotgun.



- i) Always use appropriately marked and factory loading cartridges with your shotgun. Avoid manually reloaded cartridges as this can be unsafe and will void the shotgun's warranty.
- j) Always wear safety goggles and ear-muffs/plugs while shooting.
- k) DO NOT drink alcohol or take narcotic drugs or any other distracting drugs before or during use of your shotgun.
- l) DO NOT leave any cartridge in your shotgun, while it is not used.
- m) DO NOT make any mechanical modification on your shotgun.
- n) Have your shotgun repaired only by authorised services.

**WARNING: Every shotgun has the potential to take your or any other's lives. Accidents occur because of breach of safety rules and/or carelessness/negligence.**

**WARNING: Unloading, cleaning or maintaining your shotgun under improper ventilation conditions may cause inhalation of burnt gasses. These gasses may cause birth defects, permanent damages, and/or other serious injuries. Maintenance of your shotgun should be performed in continuously ventilated places. Wash your hands after maintenance.**



## **5. OPERATING PRINCIPLE**

This semi-automatic shotgun operates with the kinetic recoil of the inertia system which the recoil energy leads to cycle of the action. This simple and safe system based on to the inertia spring placed between the locking head and the bolt. When the shoot is fired, the bolt moves backwards and the locking head compresses the inertia spring, thus the necessary energy is originated for the cycling of the action. Once the spring is fully compressed, it recoils and cycles the bold assembly locks in the breech.

The simple system of this semi-automatic shotgun eliminates the problems associated with gas-operated systems, which require frequent cleaning works reliable

## **6. NOMENCLATURE**

with different range of loads without cycling problems and permits the shooter to concentrate on the target. Also with its new developed system, it reduces the recoil during the shot of heavy loads. Cut-off system in this shotgun allows manual cycling of cartridges from the magazine to the chamber quickly and easily.

This shotgun is produced with the one of the most reliable system in high standarts of European craftsmanship. The instructions in this book will help to assure that it delivers the fine performance for which it was designed for to work with a wide variety of ammunition.



**ButtStock**

**Receiver**

**Barrel**

**Front Sight**

**Trigger Guard**

**Forend**

**Magazine Cap**



Figure 1 Overview



Figure 2 Overview

A	BUTT STOCK	C	RECEIVER GROUP	F	BARREL GROUP
A1	SHIM KIT	C3	BOLT HANDLE	F1	BREECH
A2	RECOIL PAD	C5	MAGAZINE GROUP	G	FRONT SIGHT
A3	BUTT STOCK EXTENSION	C6	BOLT GROUP		
A4	BUTT STOCK ASSEMBLY KIT	D	FOREND		
B	TRIGGER GROUP	E	MAGAZINE CAP		

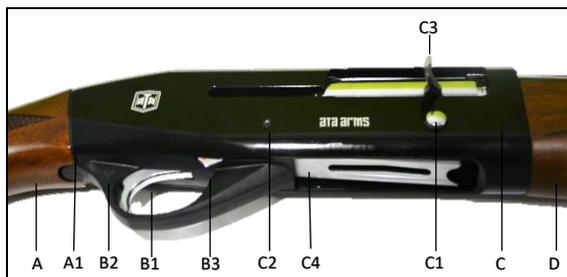


Figure 3

- A BUTT STOCK
- A1 SHIM KIT
- B1 TRIGGER
- B2 SAFETY BUTTON
- B3 FEED/STOP (CUT OFF) BUTTON
- C1 CARRIER BUTTON
- C2 RECEIVER PIN
- C3 BOLT HANDLE
- C4 CARRIER
- C RECEIVER
- D FOREND

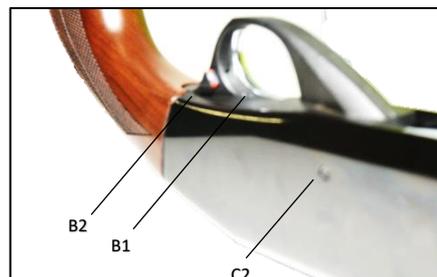


Figure 4

- B2 SAFETY BUTTON
- B1 TRIGGER
- C2 RECEIVER PIN



## 7. INITIAL ASSEMBLY

NEO semi-automatic shotgun is provided in (“take down” condition) its box (or bag) as 2 preassembled parts (Figure 5).

Turn magazine cap counter clockwise (Figure 6).

Pull out the forend (Figure 7).



Figure 5

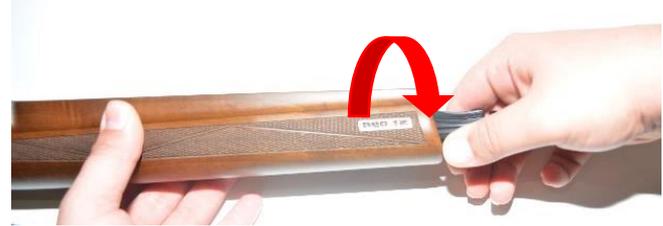


Figure 6

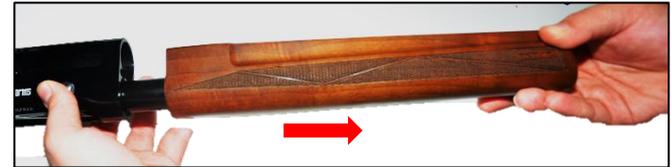


Figure 7



You need to push the feed/stop button forward in order to bolt retained back (Figure 8).

You need to pull the bolt backward by means of the bolt handle, before you assemble the barrel (Figure 9).

Then push the barrel forward and assemble it without leaving any space (Figure 10).

Assemble the forend passing it over the magazine tube and attentively slot it into the housing on the receiver (Figure 11). Now your shotgun is ready to fire.



Figure 8



Figure 9



Figure 10



Figure 11



## 8. BEFORE SHOOTING

Make sure that your ammunition selection is correct. The cartridge size must be exactly same with the one written on the barrel.

**UYARI: Use only factory-loaded/standard cartridges. If you use hand-loaded (reloaded) cartridges, your shotgun will be out of warranty.**

### 8.1. Trigger Safety

The safety is located on the trigger guard.

- To engage the manual safety, push the safety button from left to right with your thumb or index finger until it stops and stays in place in the "SAFE" position. (Figure 12).
- To disengage the manual safety, push the safety button through the trigger guard from right to left with your thumb or index finger until it stops and stays in place in the "FIRE" position (a red mark will be visible on the safety button to the left of the trigger guard) (Figure 13).

**WARNING: Make sure that your shotgun is unloaded and secured, unless you decide to shoot.**



Figure 12



Figure 13



## 9. LOADING THE SHOTGUN

**WARNING:** Make sure that the safety of the gun is engaged when loading cartridge (SHOOTING DISABLED).

**WARNING:** Make sure that the muzzle point at a safe direction.

Make sure that the trigger safety is ON (Trigger is disabled).

Insert the cartridge into the loading port, and push until you hear a click. Repeat the same process for other cartridges (Figure 14).

After you loaded the cartridge into the magazine tube, push back feed/stop button, drop the cartridge on to the carrier (Figure 15).



Figure 14

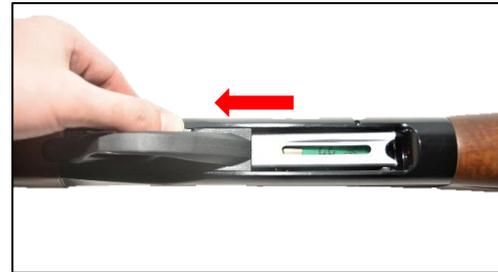


Figure 15

In order to move the cartridge from carrier to the chamber, pull the bolt handle fully to the back and release it (Figure 16).



Figure 16



## 10. UNLOADING THE SHOTGUN

**WARNING: Make sure that the muzzle points at a safe direction.**

The empty cartridge cases will be automatically ejected. In order to remove the cartridges from the shotgun, first turn on the safety lock. While you remove the cartridges, be attentive not to put your finger or any object onto the trigger.

Pull the bolt handle to the rear to eject any cartridge in the chamber. (Figure 17).

If cartridge remains in the magazine tube, push the feed/stop button to place the cartridge onto the carrier. Pull and release the bolt handle again to load that cartridge to the chamber, then pull and release it again to eject the cartridge from the chamber.

When the red plug is observed it means that there are no cartridges left in the magazine tube (Figure 18).

**WARNING: Make sure that no cartridge remained in the magazine.**



Figure 17



Figure 18



## 11. DISASSEMBLY

**WARNING:** Before you disassemble your shotgun, make sure that the magazine and the chamber are empty.

### 11.1. Forend Removal

Remove the magazine cap by turning counter clockwise (Figure 19).



Figure 19

Remove the forend by sliding it forward along the magazine tube (Figure 20).



Figure 20

### 11.2. Barrel Group Removal

Pull out barrel in parallel with the magazine tube (Figure 21).



Figure 21



### 11.3. Bolt Group Removal

Take out the bolt handle with pulling it out (Figure 22).



Figure 22

Then pull the bolt assembly out of the receiver, sliding it along its guides (Figure 23).



Figure 23

### 11.4. Trigger Group Removal

In order to remove the trigger group; first remove the receiver pin (Figure 24).



Figure 24

After pressing carrier latch button, remove the trigger group by pulling it and moving forward and down (Figure 25).



Figure 25



### 11.5. Butt Stock Group Removal

Remove the 2 screws on the recoil pad by turning counter clockwise, and then detach the recoil pad (Figure 26).

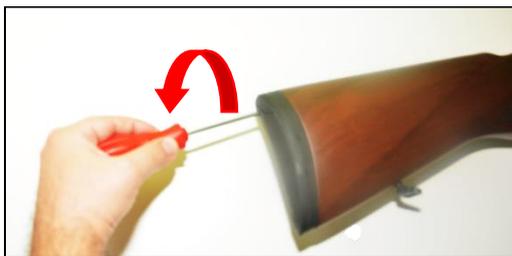


Figure 26

By using an appropriate allen wrench, remove the bolt in the butt stock by turning counter clockwise (Figure 27).



Figure 27

Then remove the butt stock by pulling it in the direction of the arrow while you hold the receiver with your other hand (Figure 28).



Figure 28



### 11.6. The Choke Removal

Unload your shotgun, turn ON the safety button. Use choke wrench to remove the choke by turning it counter clockwise (Resim 29). After you clean and lubricate the choke, place it into the barrel by hand, and tighten by using choke wrench. In order to prevent corrosion, the chokes must be removed, cleaned and reassembled after each shooting season.



Figure 29

### 11.7. Magazine Plug Removal

A magazine plug which limits the magazine capacity to two (2) cartridges must be installed according to some hunting regulations. Unscrew the magazine cap by turning it in a counter clock-wise direction until easily detached. Pull the magazine plug completely out of the hole in the end of the magazine tube. (Figure 30)

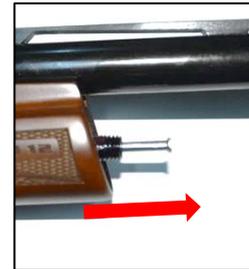


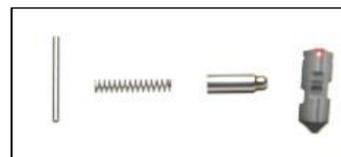
Figure 30



## 11.8. Safety Button Direction Change

- Remove Trigger Guard.
- Push the safety pin out from left to right by using a proper pin-tool and remove it from the guard (Figure 31) Take out the safety spring from the slot. Hit the whole trigger guard to ground backwards a couple of times to release the safety button easily.
- Remove the safety button and place the reverse side by considering your direction of use (left/right).
- Place the safety spring to the slot first, and then insert the safety pin to the guard while pushing the safety spring inside of the slot.

**WARNING:** For left-handed users, the red section of the safety button should be on the right side of the trigger guard. For right-handed users, the red section of the safety button should be on the left side of the trigger guard.



Safety Pin    Safety Spring    Safety Spring Retaining Pin    Safety Button

Figure 31



## 12. LENGTH OF PULL ADJUSTMENT (IF NEEDED)

Remove the 2 screws on the recoil pad by turning counter clockwise, and then detach the recoil pad (Figure 32).

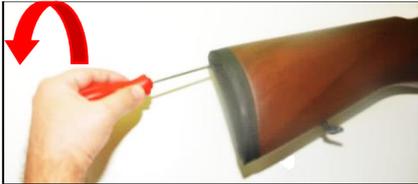


Figure 32

The length of pull is 36,5cm (14,37 inches) with the one length of pull spacer is installed (figure 33).



Figure 33

There are two length of pull spacers. Each spacer length is 5mm (13/64 inch). The additional length of pull spacer is included in the box. When you remove the installed one spacer and insert the recoil pad you'll have 36cm (14,17 inches) length of pull (that's the shortest length of pull we can offer). You can also install two length of pull spacers together on the stock and you'll have 37cm (14,56 inches) (that's the longest length of pull we can offer) (figure 34).

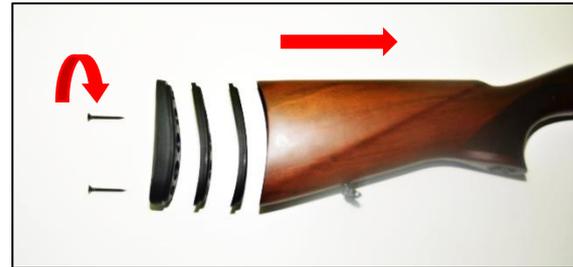


Figure 34



### 13. CHOKE REPLACEMENT

**WARNING:** Make sure that your shotgun is not loaded and the safety is engaged whenever you are installing or removing the choke.

**WARNING:** When installing or removing a choke, make sure that the choke and the bore of the barrel are completely clean. Otherwise, your barrel can deform during firing.

- In order to remove the choke, use the choke wrench provided together with your shotgun.
- Clean the dirty choke threads (if so).
- Using the choke wrench, tighten clockwise and ensure that all of the threads of the choke are fully seated in the barrel.

**WARNING:** When reinstalling, do not tighten the choke unless you make sure that the threads of the choke are completely mated with the threads of the barrel.

**WARNING:** In order to be sure that the choke is properly tightened, there should be no dentation out of muzzle.

- In order to avoid damage of the barrel, DO NOT shoot without choke.

- Regardless of the shotgun being loaded or unloaded, DO NOT attempt to look in the muzzle to see choke numbers.
- During the maintenance after shooting, remove and clean the choke, and reinstall after it is lubricated.
- DO NOT use different tool or a key for removal and installation of choke, except your choke wrench produced and provide by Ata Arms.
- You can look at the notches on the choke markings in order to see the choke number (Figure 35).

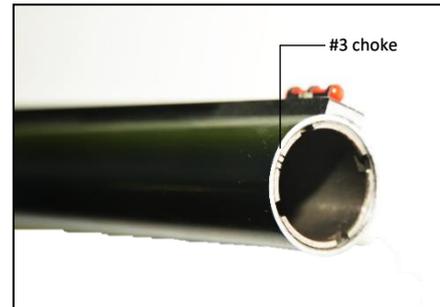


Figure 35



## 14. CHOKE SELECTION

The “choke” changes the diameter of the barrel by fitting onto muzzle tip. Its purpose to provide the user with different pellet distributions.

CHOKE TYPES AND AREAS OF USAGE

CHOKE NAME	AREA OF USAGE	CHOKE MARKINGS
* (F) FULL	The shot string holds together longer, making this good for game shot at 40-yards (35 meters) and longer ranges.	
** (IM) IMPROVED MODIFIED	Slightly tighter than the modified, great choice for trap, sporting clays.	
*** (M) MODIFIED	Good choice for all around use, steel shot to hunt for waterfowl - ducks and geese.	
**** (IC) IMPROVED CYLINDER	Good for quail, dove and other upland game at relatively close ranges. For steel shot and slug cartridges shooting.	
***** (SK) SKEET	Good for close-range, clay targets and small game birds or for self-defense. For steel shot and slug cartridges shooting.	

WARNING: Never shoot steel shot loads in a F (\*) or an IM (\*\*) choked barrel.



## 15. USING SHIM KIT

Your NEO shotgun comes with a shim kit on it. After you remove the butt stock, as shown in the above section 11.5, you can adjust the direction and height (cast and drop) of the stock with the shims provided (Figure 36).



Figure 36

The standard lowness (drop at heel) of semi-automatic shotgun stocks is 60mm (2 3/8 inches).

The stock lowness (drop at heel) adjustment-set is normally provided together with the shotgun.

This set contains three plastic shims to adjust stock lowness (drop at heel) at 50, 55 and 65mm.

Left shim, provided for left-handed users to enable them to make the stock angle convenient for themselves, has been marked as "CAST SPAC."

The measurements are indicated on each shim (Figure 37).



Figure 37



## 16. GENERAL MAINTENANCE AND LUBRICATION

**WARNING: Before maintenance, make sure that your shotgun is completely unloaded and safety is ON (SHOOTING DISABLED).**

**WARNING: Before maintenance, you should completely disassemble your shotgun. Avoid excess use of lubricant.**

The parts to be cleaned during general maintenance are as follows; bolt group, trigger group, magazine tube, and receiver.

- Use maintenance lubricant and cotton fabric (and/or bronze wire brush, if required) to clean any dirt, rust, residual on the abovementioned parts.
- After cleaning, use a dry and clean cotton fabric to remove excess lubricant residue.
- Then lubricate the parts by forming a thin lubricant film on their surfaces.
- Make sure that the fabrics and/or brushes used for cleaning are harmless for the parts.

## 17. MAINTENANCE AFTER USE

At the end of each day you fire your shotgun, you should maintain the barrel and the choke.

### Barrel Maintenance;

- Use maintenance lubricant and cotton fabric (and/or a bronze wire brush if required) to clean the combustion residue accumulated in the gun bore.
- Use dry and clean cotton fabric to remove excess lubricant residue from the above first step.
- Then lubricate the parts by forming a thin lubricant film on their surfaces by use of maintenance lubricant and cotton fabric.

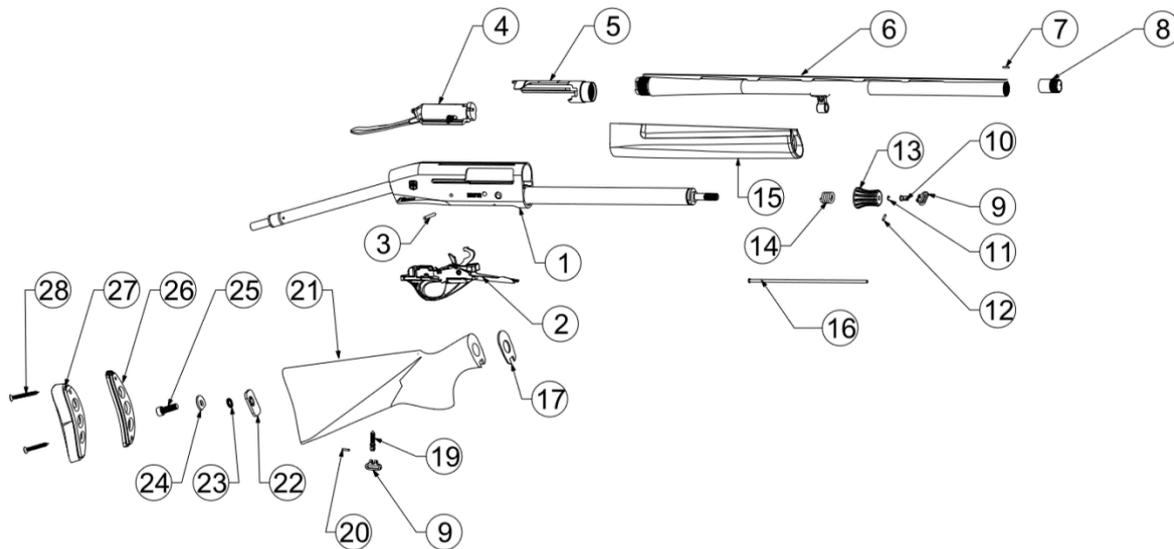
### Choke Maintenance;

- Use maintenance lubricant and cotton fabric (and/or a bronze wire brush if required) to clean the combustion residue accumulated in the choke.
- Use dry and clean cotton fabric to remove excess lubricant residue from the above first step.
- Then lubricate the parts by forming a thin lubricant film on their surfaces by use of maintenance lubricant and cotton fabric.



## 18. ASSEMBLY DRAWINGS AND PART LIST

### 18.1. General Assembly and Part List

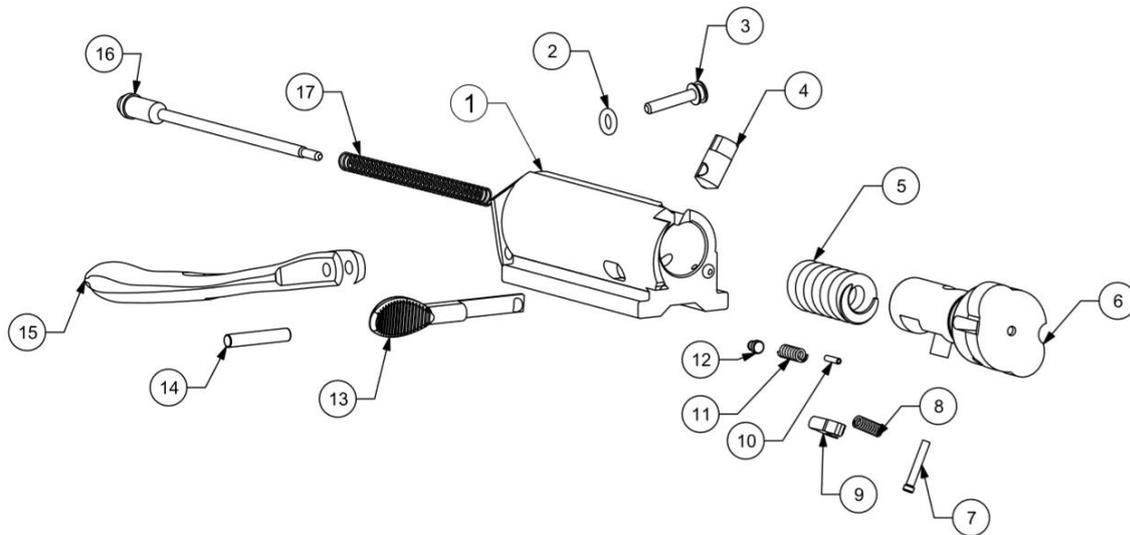




<b>PART NO</b>	<b>PART NAME</b>	<b>PART NO</b>	<b>PART NAME</b>
1	RECEIVER GROUP	15	FOREND
2	TRIGGER GROUP	16	MAGAZINE PLUG
3	RECEIVER PIN	17	SHIM
4	BOLT GROUP	18	SLING SWIVEL FOR BUTT STOCK
5	BREECH	19	SLING SWIVEL SCREW FOR STOCK
6	BARREL	20	SLING SWIVEL STUD PIN
7	FRONT SIGHT	21	BUTTSTOCK
8	CHOKE	22	BUTTSTOCK WASHER
9	SLING SWIVEL FOR FOREND	23	BUTTSTOCK LOCK WASHER
10	SLING SWIVEL PIN FOR FOREND	24	WASHER
11	MAGAZINE CAP C-CLIP	25	BUTTSTOCK BOLT
12	SLING SWIVEL STUD PIN	26	BUTTSTOCK EXTENSION
13	MAGAZINE CAP	27	RECOIL PAD
14	MAGAZINE CAP SPRING	28	RECOIL PAD SCREW



## 18.2. Bolt Group Assembly and Part List

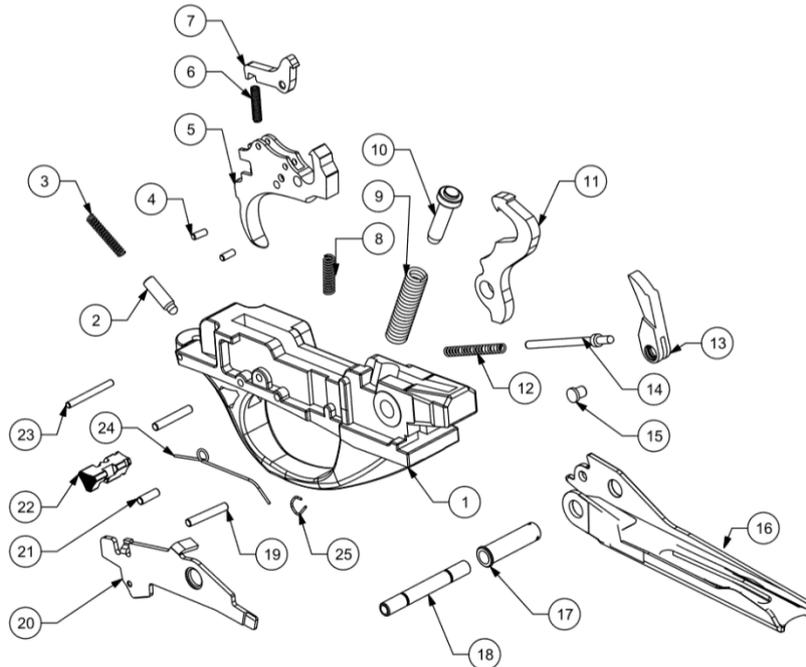




<b>PART NO</b>	<b>PART NAME</b>	<b>PART NO</b>	<b>PART NAME</b>
1	BOLT	10	BOLT HANDLE DETENT SPRING PIN
2	O-RING	11	BOLT HANDLE DETENT SPRING
3	FIRING PIN RETAINING PIN	12	BOLT HANDLE DETENT
4	BOLT HEAD GUIDE PIN	13	BOLT HANDLE
5	BOLT HEAD SPRING	14	BOLT LINK PIN
6	BOLT HEAD	15	BOLT LINK
7	EXTRACTOR PIN	16	FIRING PIN
8	EXTRACTOR SPRING	17	FIRING PIN SPRING
9	EXTRACTOR		



### 18.3.Trigger Group Assembly and Part List

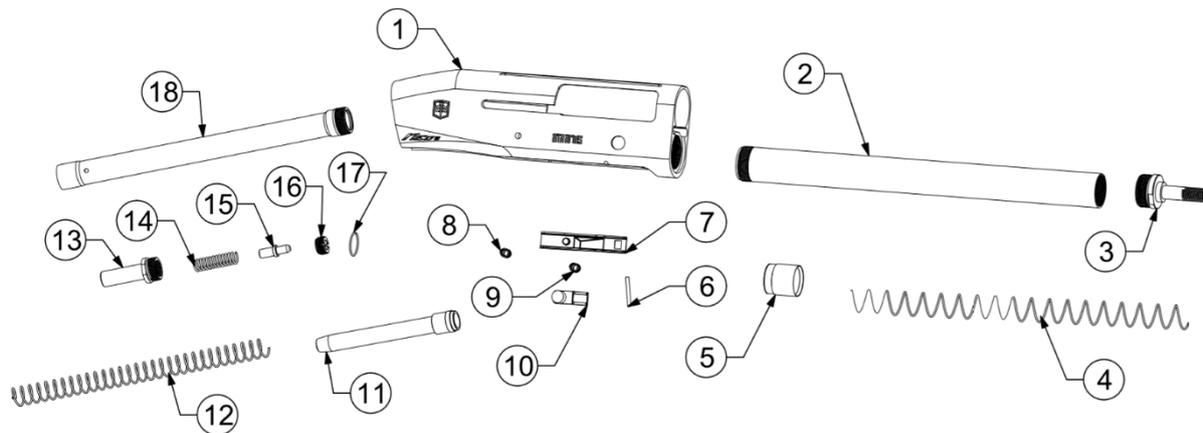




<b>PART NO</b>	<b>PART NAME</b>	<b>PART NO</b>	<b>PART NAME</b>
1	TRIGGER GUARD	14	CARRIER SPRING PLUNGER
2	SAFETY DETENT	15	LIFTER DOG PIN
3	SAFETY DETENT SPRING	16	CARRIER
4	HAMMER TUBE PIN	17	HAMMER TUBE PIN
5	TRIGGER	18	RECEIVER PIN
6	DISCONNECTOR SPRING	19	TRIGGER PIN
7	DISCONNECTOR	20	FEED/STOP BUTTON
8	TRIGGER SPRING	21	FEED/STOP BUTTON PIN
9	HAMMER SPRING	22	SAFETY BUTTON
10	HAMMER SPRING PLUNGER	23	SAFETY SPRING DETENT PIN
11	HAMMER	24	FEED/STOP BUTTON SPRING
12	CARRIER SPRING	25	HAMMER TUBE PIN RETAINING CLIP
13	LIFTER DOG		



### 18.4.Receiver Group Assembly and Part List





<b>PART NO</b>	<b>PART NAME</b>	<b>PART NO</b>	<b>PART NAME</b>
1	RECEIVER	10	BOLT RELEASE BUTTON
2	MAGAZINE TUBE	11	RECOIL SPRING PLUNGER
3	MAGAZINE TUBE NUT	12	RECOIL SPRING
4	MAGAZINE SPRING	13	RECOIL SPRING TUBE NUT
5	MAGAZINE FOLLOWER	14	RECOIL SPRING TUBE NUT SPRING
6	BOLT RELEASE BUTTON PIN	15	RECOIL SPRING TUBE NUT PLUNGER
7	CARTRIDGE LATCH	16	RECOIL SPRING TUBE NUT WASHER
8	CARTRIDGE LATCH SPRING	17	RECOIL SPRING TUBE RING
9	BOLT RELEASE BUTTON SPRING	18	RECOIL SPRING TUBE



“Warranty period is 2 (two) years for manufacturing defects”

For any Warranty Claims Please Contact:

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