

# AL 391 Teknys Gold Target



## Instruction Manual

**ENCLOSED TO THE INSTRUCTION MANUAL AL391 URIKA/TEKNYS**

Always keep this booklet with the Beretta AL391 Urika/Teknys manual. Include it with the gun when it changes ownership or when it is loaned or presented to another person.



**WARNING:** In addition to these instructions there are other procedures pertaining to the loading, unloading, disassembly, assembly and use of this firearm located in the AL 391 Urika/Teknys manual. Please carefully read and understand all of this manual before using this firearm.

## INTERCHANGEABLE RIB

Your Beretta AL 391 TEKNYS GOLD TARGET is supplied with a spare 10 mm-wide rib slightly stepped on the rear part in order to provide the opportunity to have a second sight picture for clay targets. Through the use of secure interchangeable ribs, one truly has the ultimate “do-it-all” target gun for trap, skeet and sporting clays. The rib already mounted on the shotgun allows to concentrate 50% of shot pattern over the aiming point and 50% below the aiming point when shooting (**Fig. 1 page 8**). The extra rib permits to group 30% of shot pattern below the aiming point and 70% over the aiming point (**Fig. 2 page 8**). On request, there are also available ribs that distribute the shot pattern 40% below and 60% over the aiming point (Part C88209) (**Fig. 3 page 8**) and 20% below and 80% over the aiming point (Part C88205) (**Fig. 4 page 8**).

**NOTICE:** The above mentioned ribs can be mounted on all AL 391 Teknys Gold Target with a 76cm/30 in. barrel length in 12 ga. The ribs are not interchangeable with the rib of the AL 391 Teknys Gold Sporting and Trap.

### REMOVING THE RIB

**WARNING:** Check that the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter: “Unloading the firearm” in the AL 391 Urika/Teknys manual.

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

**NOTICE:** It is advisable to carry out the field stripping operations over a table to catch components should they drop.

#### The interchangeable rib is made up of:

- A forward slot (near the muzzle and front sight) that allows the insertion of the supplied disassembly punch and access to the locking metal strip located inside the rib;
- A locking metal strip that firmly attaches the rib to the barrel by engaging the barrel support posts by means of keyed slots.

### **To remove the rib from the barrel:**

- Remove the barrel from the shotgun following the disassembly instructions contained in this manual.
- Locate the forward slot in the rib, located near the muzzle and behind the front sight.
- Insert the supplied disassembly tool into the hole in the slot and slide the locking metal strip rearward.

**NOTICE:** This could take some effort, especially when the shotgun is new.

The rearward movement of the locking metal strip will disengage the rib from the barrel.

**NOTICE:** If this operation is attempted when the barrel is still assembled to the shotgun, the locking metal strip will interfere with the receiver of the shotgun. You will not be able to move the metal strip rearward and the rib will not disengage from the barrel posts.

- Raise and separate the rib from the barrel support posts.

**NOTICE:** Take care in handling the rib as it can be easily damaged if dropped or bent.

### **Assembling the rib**

To reassemble the rib to the barrel:

- Ensure that the locking metal strip inside the rib is in its most rearward position. The strip is in the rearward position when it protrudes approximately 5mm (3/16 inch) from the rear of the rib. If the strip is not in this position, insert the supplied disassembly tool into the hole in the forward slot of the rib and slide the strip rearward.
- Position the rib onto the barrel, aligning the barrel support posts with the keyed slots in the locking metal strip.
- Apply pressure to the rib, pressing it against the barrel (especially toward the front part of the rib) and insert the supplied disassembly punch into the hole in the forward slot of the rib. Slide the strip completely forward. This will engage the barrel support posts and lock the rib to the barrel. The rib is locked onto the barrel when the protruding locking metal strip disappears under the rib and each post is engaged by the keyed slots of the strip.

**CAUTION:** The rib is correctly attached to the barrel when it is visibly in contact with it and all of the keyed slots in the metal locking strip have engaged their corresponding barrel posts. At the end of the assembly procedure, verify that there are no gaps between the barrel posts and the rib and that there is no movement of the rib with respect to the barrel surfaces. If any part of the rib is not attached properly to the barrel, repeat the above procedures to remove and assemble the rib to the barrel.

## BBS - BERETTA BALANCE SYSTEM

Beretta has introduced a special system called BBS (Beretta Balance System) for the shooters who want to keep a forward balance and add weight, by simply replacing the fore-end cap with an extra cap.

The fore-end cap mounted on the shotgun is the lighter one, marked LT (light). The extra cap, marked M, is the medium weight cap, and the second spare cap, marked H, is the heavy weight cap. Choose your ideal balance by mounting the caps to the fore-end.

Caps supplied	Material	Type	Marking	Weight		Weight with "Base"	
				grams	oz.	grams	oz.
Base	–	–	–	110	3.9	–	–
Small end cap	Aluminum	Light	LT	10	0.4	120	4.2
Small end cap	Steel	Medium	M	70	2.5	180	6.3
Long end cap	Steel	Heavy	H	130	4.6	240	8.5

## OPTIMA-BORE® BARREL OPTIMA-CHOKE® TUBES

Your Beretta AL 391 TEKNYS GOLD TARGET features an Optima-Bore® barrel. The Optima-Bore® internal barrel profile is characterized by an overbored diameter and lengthened forcing cone that considerably improves shot pattern distribution, felt recoil reduction and shot velocity optimization. The Beretta extended Optima-Choke® tubes are designed to withstand the rigors of non-toxic steel shot. They are made of high-grade steel for corrosion resistance and durability and they minimize shot deformation by enhancing the concentration and distribution of shot patterns.

**NOTICE:** The Optima-Bore® barrel must be used only with Beretta Optima-Choke® Tubes (extended or flush with the muzzle, available on request).

**NOTICE:** You will find the markings to recognize the Beretta choke tubes supplied with your shotgun on the colored band of each choke tube.

## ADJUSTABLE STOCK WITH MEMORY SYSTEM

The Beretta AL 391 TEKNYS GOLD TARGET is equipped with an adjustable stock. This ensures a perfect fit by allowing shooter to adjust for comb height and for cast-on or cast-off. The adjusting mechanism (Memory System) features a patented locking system, so settings remain secure and unchanged. The adjusting device is made from carbon reinforced technopolymer guaranteeing robustness and durability.

**WARNING:** Check that the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter: “Unloading the firearm” in the AL 391 Urika/Teknys manual.

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The adjustable stock of your shotgun is preset at the factory with standard drop and cast values.

### Adjusting the cast

- Loosen the two side screws of the adjustable comb with the hexagonal key provided without forcing them excessively (**Fig. 5 page 8**).

**WARNING:** In order to avoid damage to the adjusting device do not overloosen the side screws.

- Remove the adjustable comb from the stock.
- Loosen the blocking screws of the adjustment mechanism (**Fig. 6 page 8, arrows A and B**) and move it to the right or to the left to get the required cast.
- Tighten the blocking screws of the adjustment mechanism, always using the special key provided.
- Reassemble the adjustable comb on the stock.
- Tighten the two side screws of the adjustable comb to lock it in the required position.

**CAUTION:** Only use the special key provided. Do not apply excessive force.

### Adjusting the drop

- Loosen the two side screws of the adjustable comb with the hexagonal key provided without forcing them excessively.

**WARNING:** In order to avoid damages to the adjusting device do not overloosen the side screws.

- Loosen the central “memory” screw by one turn only.
- Move the front and/or the rear part of the adjustable comb upwards or downwards to obtain the required drop.
- Only tighten the two side blocking screws of the adjustable comb.
- When the drop adjustment is correct, tighten the central “memory” screw.

**CAUTION:** Only use the special key provided. Do not apply excessive force.

**NOTICE:** The tightening of the central “memory” screw locks the drop position. When you disassemble the adjustable comb from the stock, (to modify the cast or for cleaning), it is sufficient to loosen only the two side screws, as previously described. When you reassemble it, the “memorized” drop will be re-established.

- Check the adjustment of the cast and drop by mounting the gun.
- For a fine adjustment of the drop, loosen the central “memory” screw by one turn and the two side screws by half-a-turn. When you move the adjustable comb, it will “click” between the various positions by small increments.
- When the correct position is found, tighten the three screws.

**CAUTION:** Only use the key provided. Do not overtighten the screws.

**NOTICE:** Periodically inspect your “Memory System” device. Dirt and dust can interfere with the functioning of the adjustment mechanism. The device is made of a high strength techno-polymer, reinforced by carbon fibers and it does not require any lubrication. Clean the surfaces by merely wiping them down with a clean cloth.

**NOTICE:** Periodically check the correct tightening of the screws of the adjustable comb and the screws of the adjustment mechanism.

## RECOIL REDUCTION SYSTEM

A removable spring-mass recoil reduction system is installed inside the stock of every AL 391 Teknys Gold Target. This system counters the rearward forces generated by shooting and greatly reduces the felt recoil.

**NOTICE:** The recoil reduction system does not require any maintenance and does not normally need to be removed from the shotgun.



## FAST BOLT RELEASE

Supplied with the Beretta AL 391 TEKNYS GOLD TARGET the fast bolt release allows an easier and quicker action on the cartridge latch by increasing the surface area by approximately 50%. Once installed on the shotgun, this bolt release will facilitate the operation during extended shooting sessions. Furthermore, the shooter will be able to operate this control even when wearing heavy gloves.

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

**NOTICE:** It is advisable to carry out the field stripping operations over a table to catch components should they drop.

**To assemble the fast bolt release on the receiver:**

- Engage the safety.

**NOTICE:** The safety can be engaged only when the hammer is cocked.

- Completely remove the trigger plate pin by pushing it with a drift punch or other similar object. The pin can be extracted either from the left side or the right side of the receiver. To facilitate the extraction you can tap the drift punch with a small hammer.
- Completely insert the fast bolt release pin into the seat of the trigger plate pin on the right side of the receiver (as viewed from the rear).
- Fit the fast bolt release button to the breech bolt release button.
- Check the correct assembly by closing the breech bolt using the fast bolt release.

**NOTICE:** Store the trigger plate retaining pin in a secure place in order to avoid possible loss.

**To disassemble the fast bolt release:**

- Engage the safety.

**NOTICE:** The safety can be engaged only when the hammer is cocked.

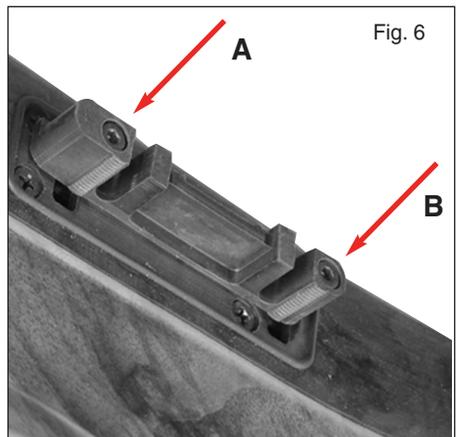
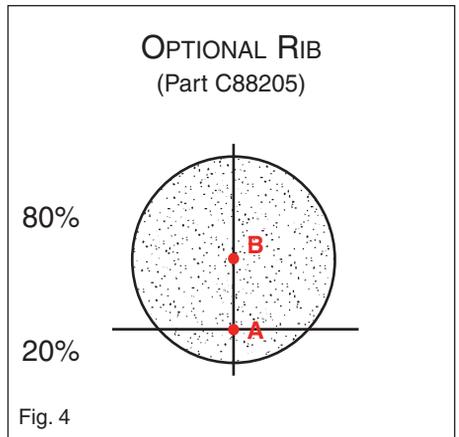
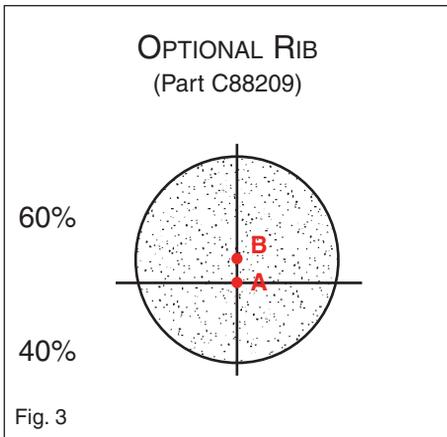
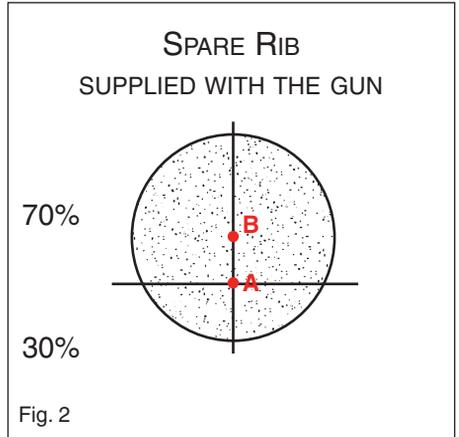
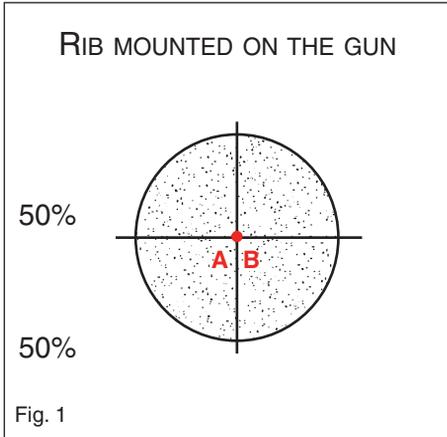
- Completely extract the fast bolt release pin from the right side (as viewed from the rear) of the receiver by pushing it with a drift punch or similar tool. If necessary use a small hammer to tap the drift punch.

**CAUTION:** When extracting the fast bolt release, do not pull on the bolt release body. Leveraging on this component could bend or break the neck of the bolt release pin. Extraction of the fast bolt release should be conducted as noted above to avoid damage to this component.



# PATTERN DISTRIBUTION COMPARED TO THE AIMING POINT (THEORETICAL)

A = Aiming point; B = Shot Pattern Center



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# BERETTA

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