

Magazine Release (Magazine Catch), EXTENDED (PN 04.109)

for Beretta CX4 Storm

The *magazine release, extended* is 100% „Made in Austria“ and offers the following advantages:

- ➔ Easier and faster actuation of the *magazine release* especially for practical sport shooting.
The *magazine release* does not have to be pressed „into“ the grip when compared to the original design. The distinctive texture of the actuating surface provides good grip and feedback.
- ➔ Suitable for Beretta 92 and PX4 magazines as well as right- and left-handed shooters.
A conversion to a different configuration is possible at any time due to the universal design.
- ➔ Replaces the original magazine release and does not require any permanent DIY modifications of the original part.
- ➔ Robust all metal execution - all components are manufactured from Aluminum resp. stainless steel.



Scope of Supply:

- 1 pc. Magazine Release, Extended – pre-assembled in the selected configuration

Available, pre-assembled configurations*:

- 04.109a ... right-handed, 92 magazine
- 04.109b ... left-handed, 92 magazine
- 04.109c ... right-handed, PX4 magazine
- 04.109d ... left-handed, PX4 magazine

* A conversion into any of the listed configurations can be done anytime due to the universal design.

IMPORTANT NOTE before installation:

The installation requires partial disassembly of the gun and in some cases a small amount of rework of the mounting location. In case of any doubt, it is recommended to have the installation done by a gunsmith familiar with the weapon!

Tools required:

- ➔ Tool with a flat blade – preferably made of plastic
- ➔ Small, very fine, flat (semi-circular) file – as required

For a conversion to a different magazine type and / or actuating side:

- ➔ Drift punches 1,5mm and 2mm
- ➔ Hammer, light
- ➔ Plastic or hard rubber mat / support for mounting

INSTALLATION – PREPARATION

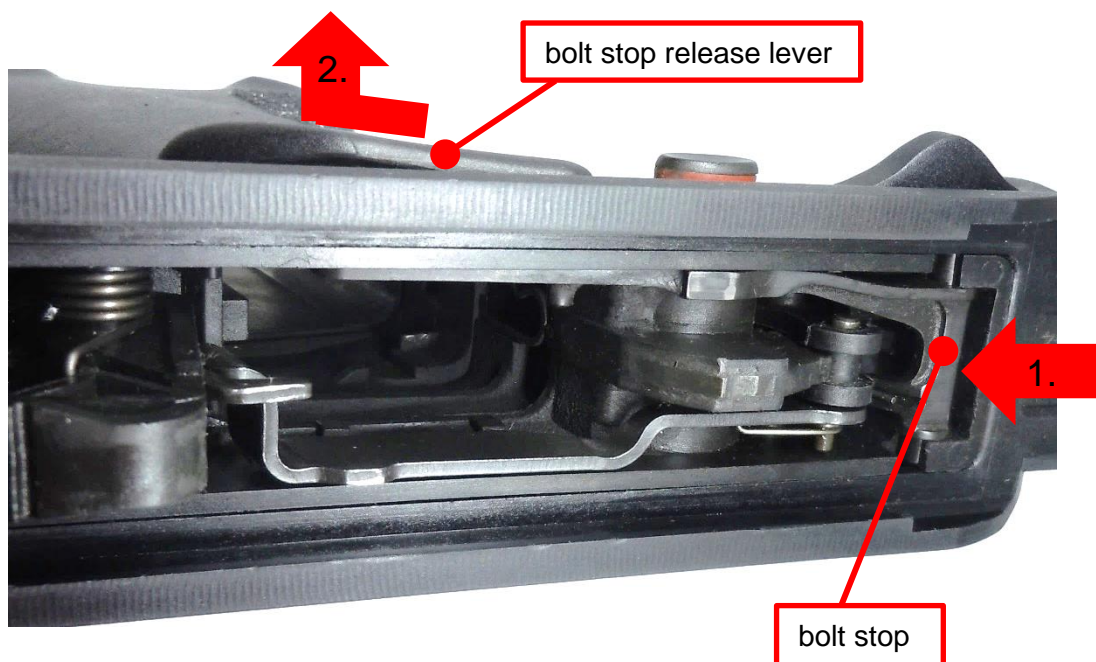
1. **Before maintaining or working on any firearm always ensure that it is unloaded and safe!**

While pointing the firearm in a safe direction remove any magazine from the firearm and ascertain it is unloaded by locking the bolt to the rear and visually inspecting the chamber before working on or cleaning it! If loaded follow the proper procedures to unload the firearm safely!

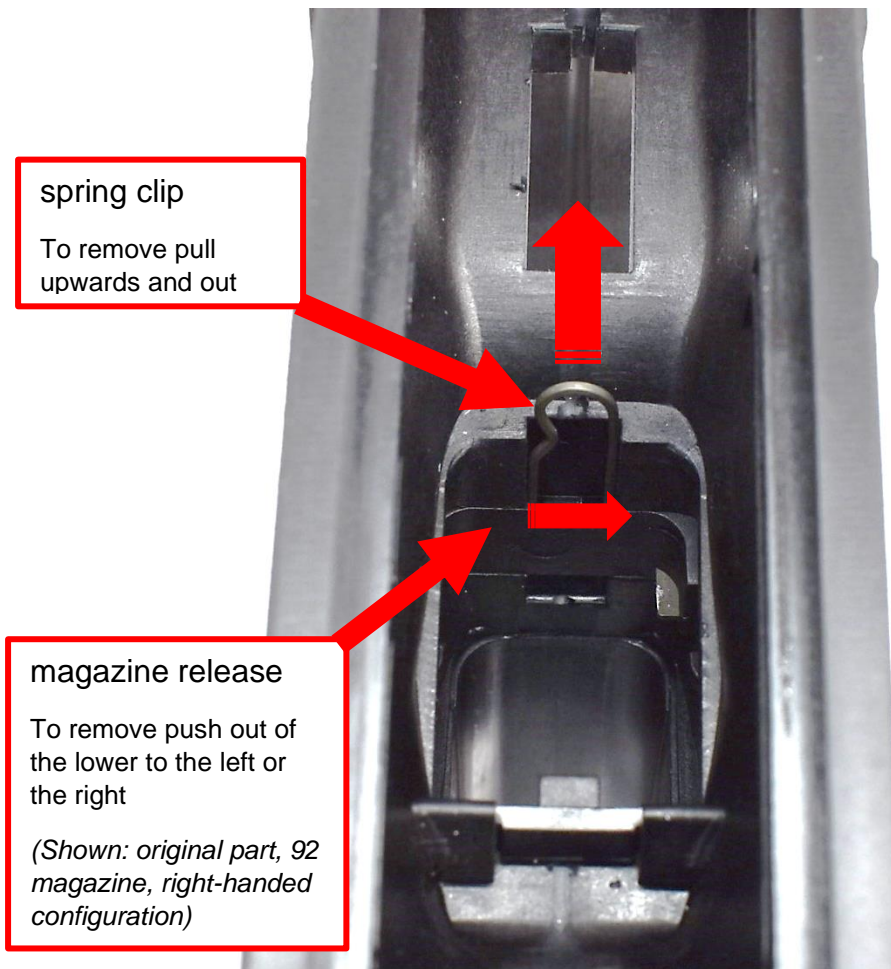


Firearms Safety is your responsibility!

2. Separate the upper receiver from the lower receiver as per the original instruction manual. The installation from thereon will only involve the lower receiver and the trigger pack.
3. Release the hammer by pulling the trigger while holding the hammer firmly and then slowly releasing the tension to avoid damage to the components.
4. Remove trigger group from the lower receiver:
 - a. Remove the *bolt stop release lever* by 1.) pushing the *bolt stop* back with a suitable, flat bladed tool towards the hammer while slightly lifting the rear while 2.) simultaneously disengaging the bolt stop release lever by pulling outwards and subsequently removing it completely by pulling to the outwards and to the rear.



- b. Remove the manual safety (trigger cross-block safety) by lifting / rotating the *bolt stop* slightly upwards and pushing the manual safety cross bar out of the lower receiver either to the left or right. Remember the orientation of the manual safety for re-installation!
 - c. Lift the trigger group out of the lower receiver – the spring clip to remove the *magazine release* is now accessible.
2. Remove the original magazine release:
- a. Pull the spring clip upwards and out.
 - b. Push out the original magazine release from the lower to the left or the right.



INSTALLATION

The TECTAL *magazine release* is supplied in the configuration as ordered – for conversion see p. 8.

1. Place the *magazine release* in the opening of the lower and adjust so that both slots for the spring clip are visible.
2. Re-install the spring clip in the correct orientation in the slots of the *magazine release*.

When converting to left-handed use the spring clip must be installed mirror-inverted compared to the picture below!



IMPORTANT NOTES:

- DO NOT try and force the spring clip into the slots to avoid damage!
- The installation of the spring clip and the ease of movement of the *magazine release* (... also of the original part!) depends on the manufacturing quality and condition of the individual lower.

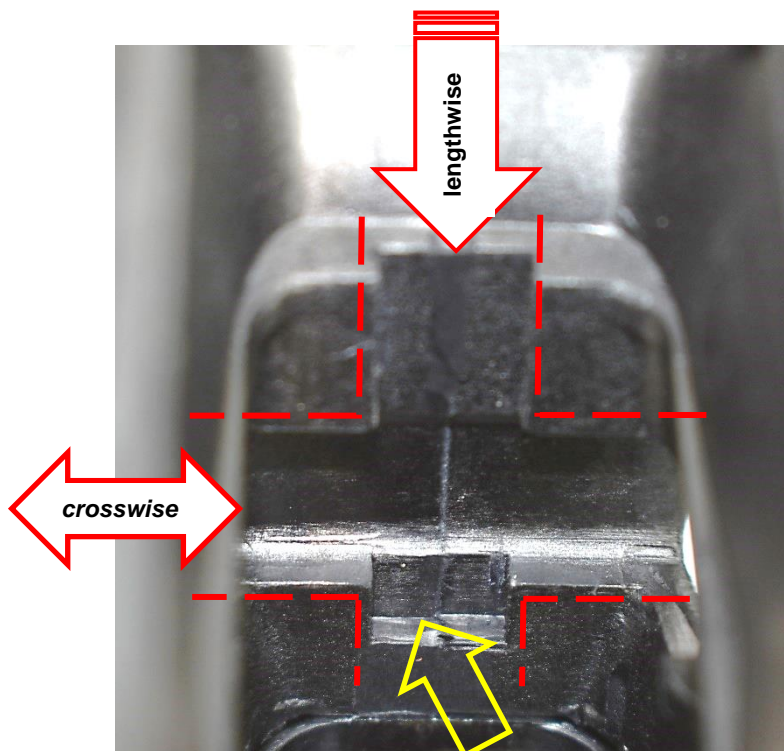
The spring clip and the *magazine release* are located exactly where the two plastic halves which form the lower receiver are joined together. The halves may be slightly offset against each other, have minimal differences in shape and/or burrs at the joint which can negatively influence the installation and ease of movement.

If the spring clip cannot be inserted without excessive force and/or if the *magazine release* is exceedingly stiff to actuate, the joint of the plastic lower halves must be slightly cleaned up.

Works carefully and in small steps – with testing in between steps - using a small, fine file to remove burrs, obvious high spots, and spots where obvious excessive friction occurs!



- An even, clean lengthwise groove aids primarily in installing the spring clip. Especially important is the lower part which is often not cleaned up during manufacturing (yellow arrow).
- An even, clean surface at the front of the crosswise channel in which the magazine release is located and moving influences the ease of movement.
 → Re. the ease of movement, take note of the original mag release – especially with new guns the ease of movement improves with use.



3. Check function and ease of movement of the *magazine release* with an empty magazine. Return to step 2. as required.

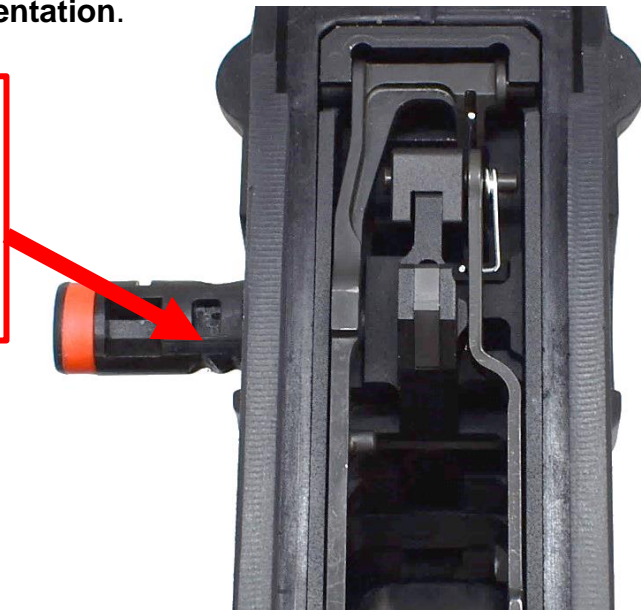
NOTE:

During repeated actuation without the trigger group being installed the spring clip may move upwards and become loose. Before proceeding to step 4. double check the correct position of the spring clip.

4. Complete the installation and reassembly of the lower receiver in reverse order of the disassembly process:
 - a. Insert the completed *trigger group* into the lower receiver.
 - b. Lift rear of the *bolt stop* slightly and re-install the manual safety cross bar in the **correct orientation**.

The two notches resp. the nose must always **face to the rear!**

(Shown here: usual orientation of Safe / Fire for right-handed shooters)



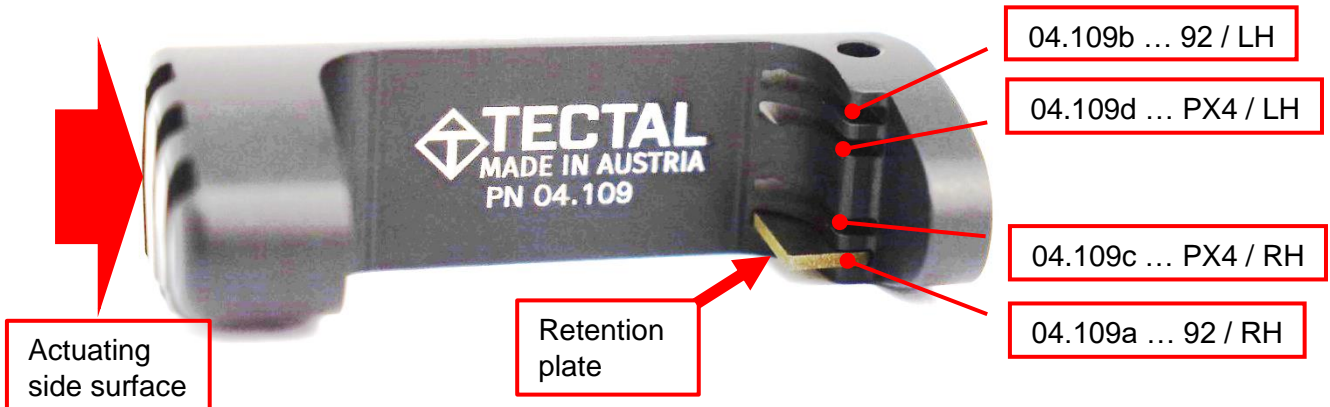
- c. Re-install the *bolt stop release lever* by again pushing the *bolt stop* back with a suitable flat bladed tool. **Take care to ensure that the small bolt protruding from the *bolt stop release lever* correctly engages in the slot of the *bolt stop*!**



- d. Complete the assembly of the gun acc. to the original manual. **Ensure that the *hammer* is cocked before sliding the upper and lower receiver together!**



Conversion of the configuration – actuating side and/or magazine type (see pic. below)


A conversion of the *magazine release* can be done anytime by re-positioning the retention plate with the *magazine release* removed from the gun.



- Remove the retaining pin carefully from the back with a 1,5mm drift punch.
- Place the retaining plate in the required slot with the slot in the retaining plate facing outwards / towards the cross bore in the *magazine release*.
- Check the alignment of the slot in the retaining plate and the cross bore and carefully re-insert the retaining pin with a 2mm drift punch and a light hammer. The retaining pin should sit slightly below the contour of the magazine release following installation!

ATTENTION – Note during the conversion:

- **Work on a support / mat which will not damage the magazine release (hard rubber, plastic, etc.)!** 
- **Always locate and drive-in the retaining pin squarely to avoid any damage!** 
- **If during replacing the retaining pin any undue, light resistance should be felt the retaining plate may have move blocking assembly. Re-check the position of the retaining plate and adjust if required.!**

Do not use excessive force to avoid damaging the magazine release! 

Remark re. feeding issues of the CX4 in left-handed configuration:

Seldom and then typically in combination with magazines from third parties feeding issues may occur with the original Beretta magazine release as well as the *TECTAL magazine release*.


This is not an inherent defect of the magazine releases but the result of a magazine follower design not adapted for use in the CX4 where the magazine follower may catch on the edge of the retention plate.

In such a case the magazine follower should be slightly modified at the contact spot to regain its full range of movement without catching on the retention plate of the *magazine release*.

A modification of the *magazine release* or the retention plate is not recommended!

IMPORTANT NOTES

INSTALLATION and USE

 The installation requires partial disassembly of the gun and in some cases a small amount of rework of the mounting location. In case of any doubt, it is recommended to have the installation done by a gunsmith familiar with the weapon!

 For the initial installation follow the instructions on p. 5 / 6!

 For a conversion follow the instructions on p. 8!

MAINTENANCE

- During maintenance it is sufficient to wipe the magazine release clean.
- Lubrication is usually not necessary and is not recommended.
- Due to the coatings, it is neither necessary nor recommended to use aggressive solvents or abrasive tools for cleaning!

COATING / WEAR

The coating of the Aluminum parts is applied electrochemically. Where the Aluminum parts are suspended during processing or factory pre-assembly is required, they may show minute, bare spots. Process and factory pre-assembly related bare spots are avoided as much as possible but may occasionally occur. These have no impact on the overall durability and resilience of the coating and are not considered a defect.

The coating is also subject to wear in the application, especially in exposed areas (edges, contact surfaces etc.). Customer installation or usage related wear are not considered a defect.

In case of questions please contact us at:

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