



Thank you for your purchase! Please email mark@A3GMunitions.com with any questions or concerns.

Rock Island Armory VR80 Magazine Release Spring Installation Instructions

Thank you for purchasing this Competition spring. We make three different versions all with different spring rates. These are designed for the competitive shooter who is looking for every advantage when setting up their competition firearms. This part is NOT designed for hunting, self defense, military or law enforcement use. We highly recommend that you have a competent gunsmith install this part however we have included these instructions for those of you who have some training in firearms disassembly and reassembly. We are not liable for any damages cause by the incorrect installation of this part. Before handling any firearm make sure that it is unloaded and safe to handle.

Installation will be a little easier if you remove the “upper” from the lower by pushing out the takedown pins at the front and rear of the receiver.



Using a 3mm Allen wrench remove the recessed screw from the end of the magazine

Underneath this screw is a standard slotted screw head. You will need a small regular screwdriver to turn this counter-clockwise.



As you unscrew this screw the magazine latch on the opposite side of the receiver will loosen and ultimately fall off as the screw completely unscrews from it.



Please note that the screw is only threaded at the very end and will not “unscrew” out of the mag release button, the head of the screw is simply recessed in the mag button.

Once the latch completely unscrews you can remove the assembly



Remove the stock spring and slide the new spring over the screw. Direction does not matter but you will notice that the new spring is shorter than the stock spring. I suggest that you use a little light grease or thick oil on the oval section of the mag release button that fits in the oval cutout in the receiver.



The easiest way to reinstall the latch is to place it in the slot, making sure that the threaded hole is on the butt stock end, and hold it in place with your finger while turning the screw on the other side. I usually set the butt on the bench with the muzzle in the air and lean it against my chest so I get easy access to both sides of the receiver. Make sure that the smooth side of the latch is to the outside of the receiver and the protrusion, on the end opposite the threaded hole, is inside the slot in the receiver.



I recommend adjusting the latch, by turning the screw one way or another, so that when the mag release button is fully depressed that the catch on the end of the latch completely clears the inside of the magazine well.



Finally, insert the set screw into the mag release button and snug it up with the Allen wrench. REMEMBER that you are screwing it into plastic threads so there is no need to make it too tight. All this set screw does is keep the screw underneath it from moving back and forth. If you removed the upper reinstall it and you are all set.

The last step is to test the firearm with the ammunition that you intend to use to make sure that under recoil the magazine does not fall out. We make springs in three different strengths and while we have tested all three without the magazine catch releasing under recoil each firearm is different and you may have access to ammunition that we do not.

Be safe and good luck!

Thank you!
Mark