

K&M Lightning install instructions for the MSAR STG 556

The Lightning was developed from a stock trigger pull that averaged 9lb. 4oz over 10 pulls with a digital Lyman gauge. http://www.lymanproducts.com/lyman/tools/pdf/LyC_Tool_Trig.pdf This trigger fix is the lightest on the market to date and does not modify any item on the firearm.

The lightning has 3 positions to choose from. The top slot is the lightest at 4lb. 5oz. The middle position is 5lb. 1oz and the lower slot is 6lb. 3oz. One thing to note about the top position; It is so light that if you pull the trigger and keep it pulled back it will not rest during firing, but if you pull the trigger and release the trigger, it will reset with the slam of the bolt. It only does it on this position, the other two positions work flawlessly. This happens because there is so little tension on trigger pack that it needs a little jolt to retract it by itself.



The top part is the stock one and the bottom part is the K&M Lightning.

1. The first step in installing the lightning is to first **unload the firearm and remove the magazine**. Pull the bolt back and make sure there is no round in the chamber. Double check to make sure the magazine has been removed and there is no round in the chamber. Pull the trigger to release the hammer to feel the weight of the pull. Do this a couple of times just to make sure you know how hard this stock pull is. Next pull the charging handle back again to cock it. This time to not pull the trigger.



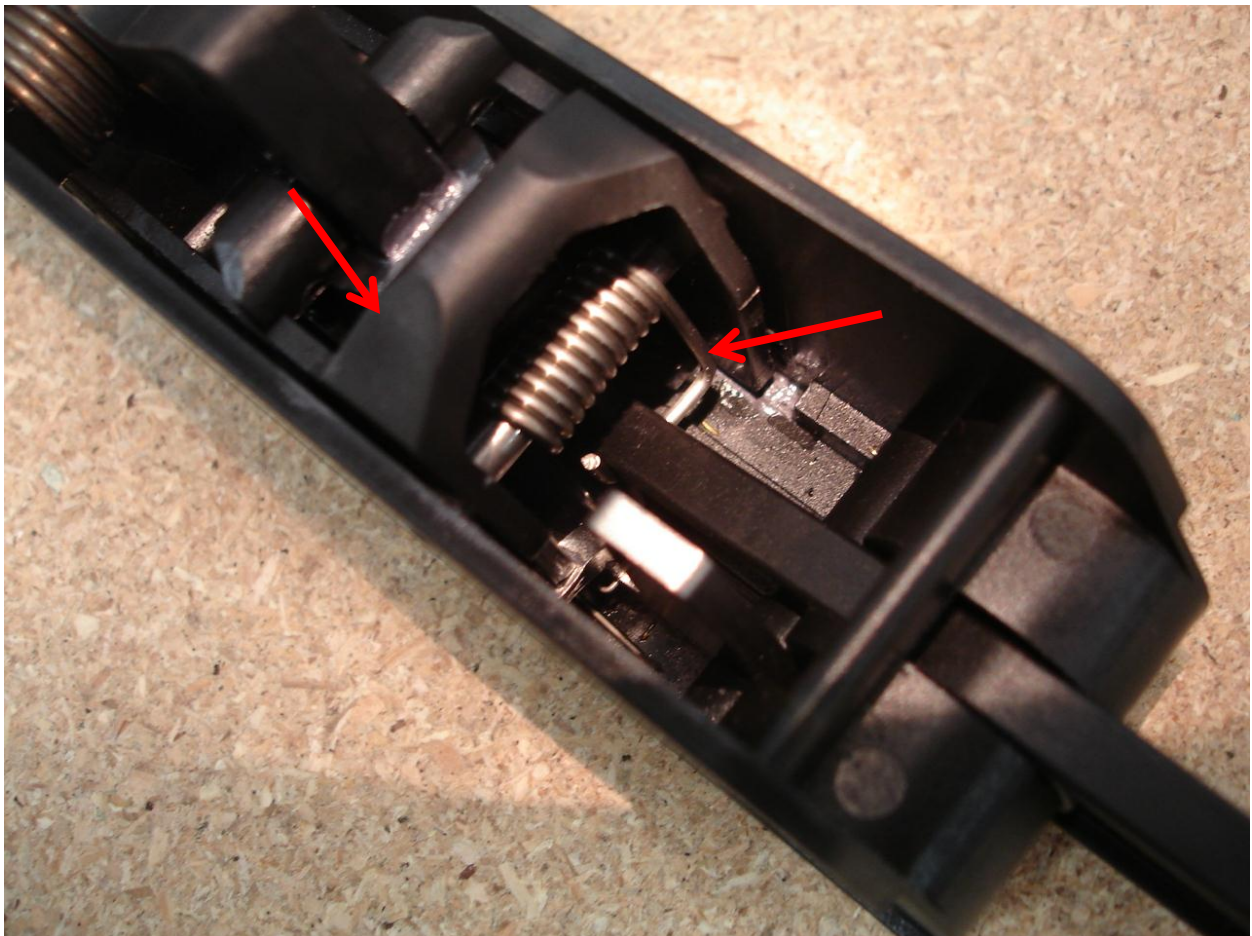
2. Depress the butt stock button and remove the sling pin.



3. Remove the butt stock



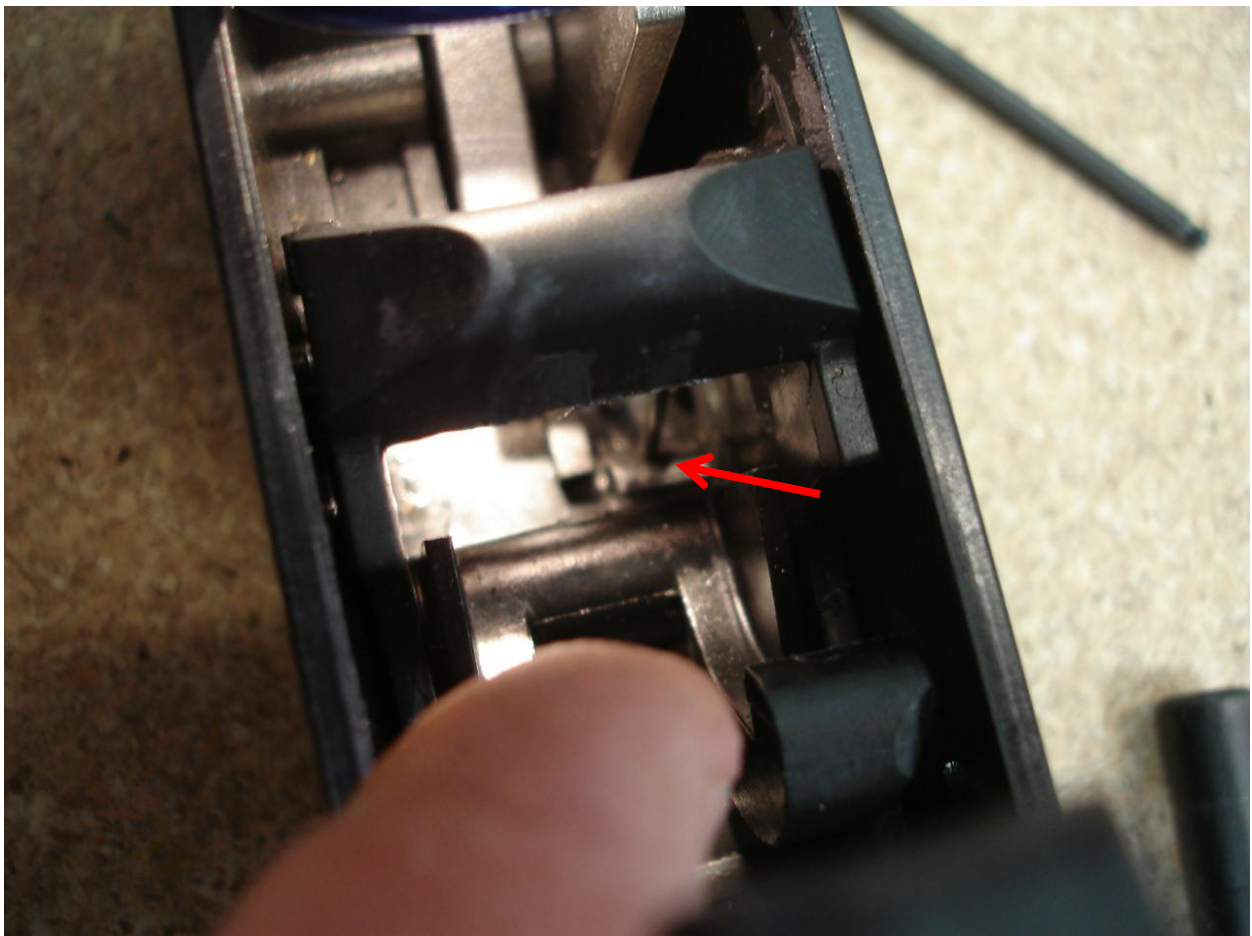
4. Pull out the trigger pack



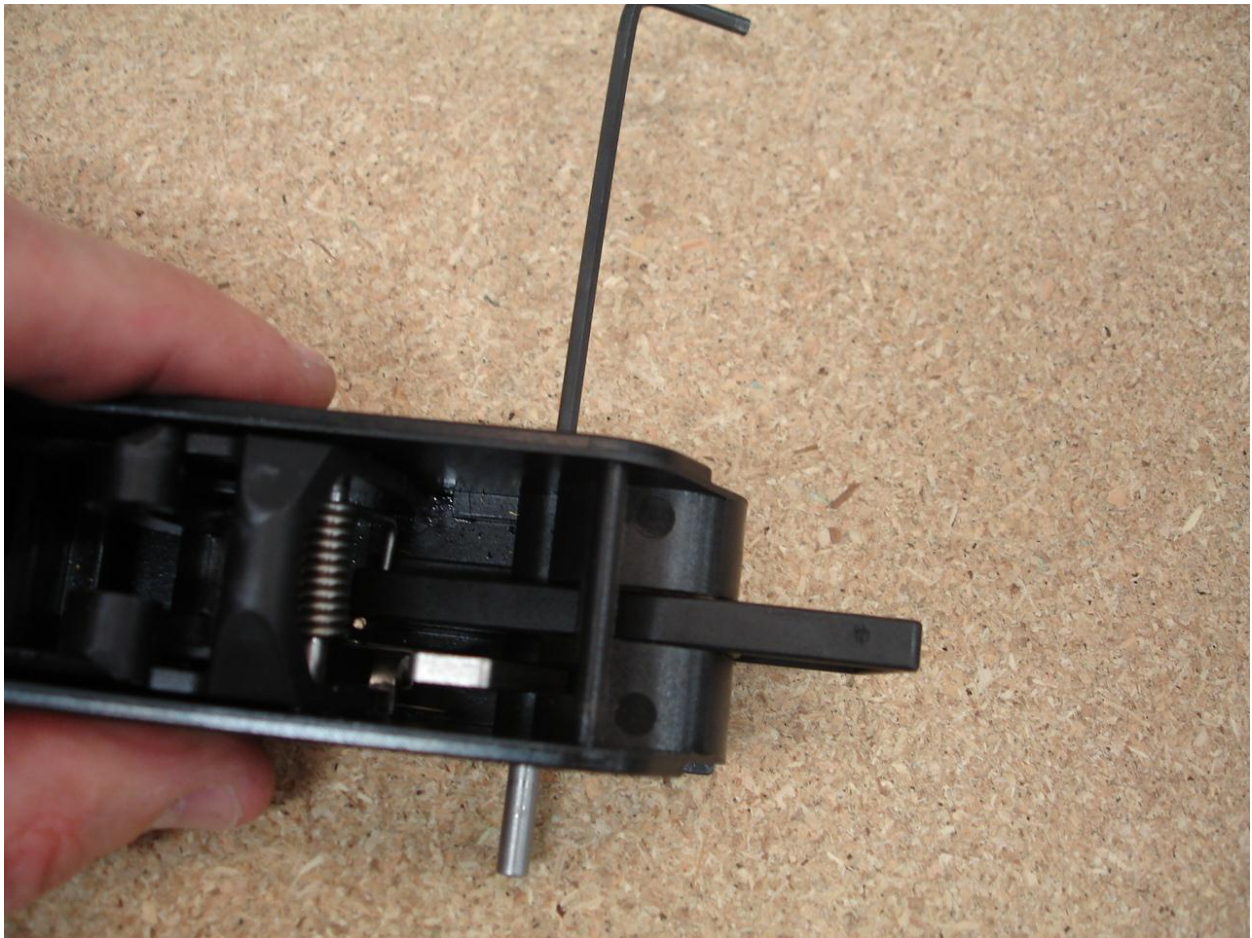
5. Notice where the spring is located on the stock trigger bar and how far it is compressed. Also notice where the other end of the trigger spring is resting.



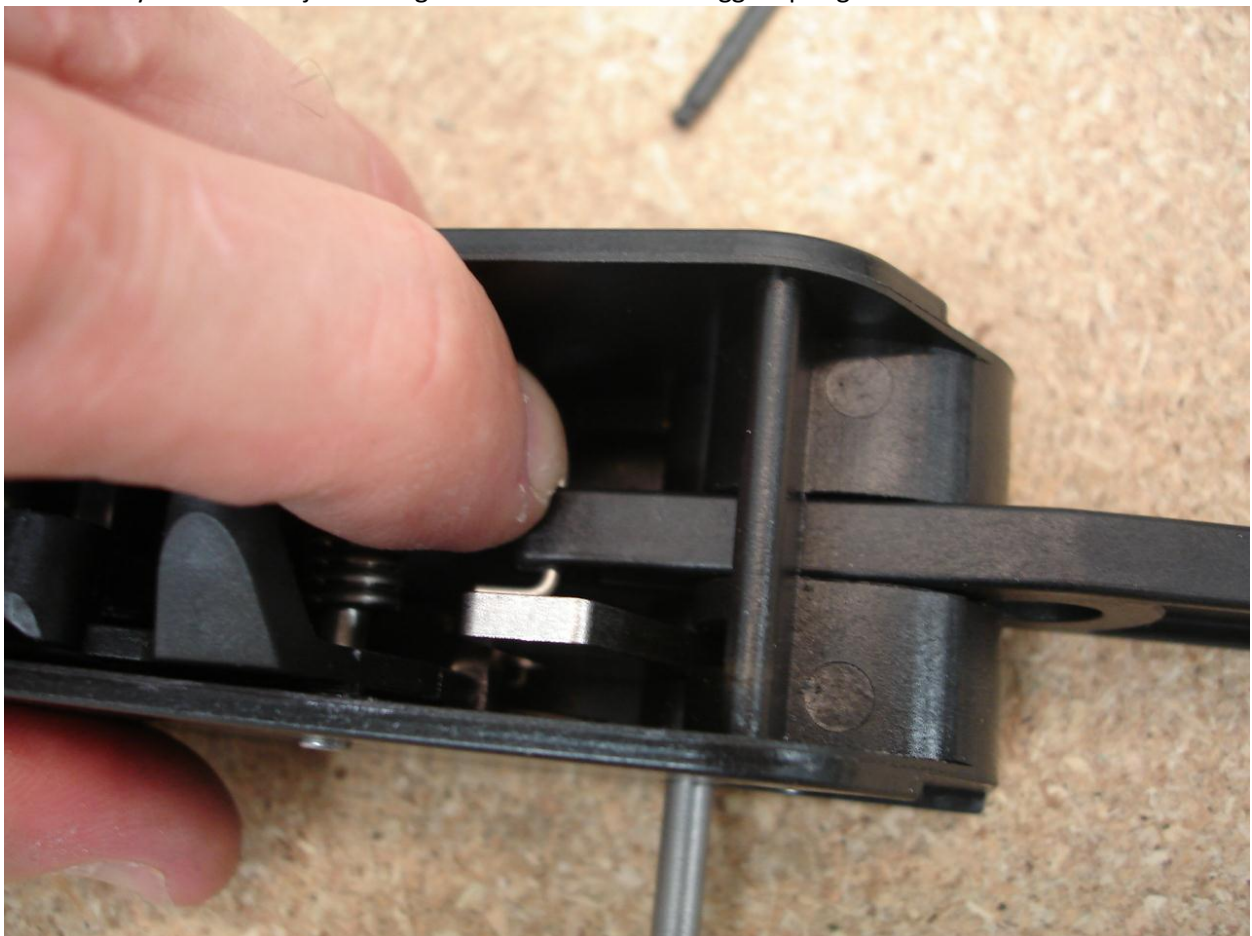
6. Release the hammer by pulling on the sear catch and releasing the trigger catch.



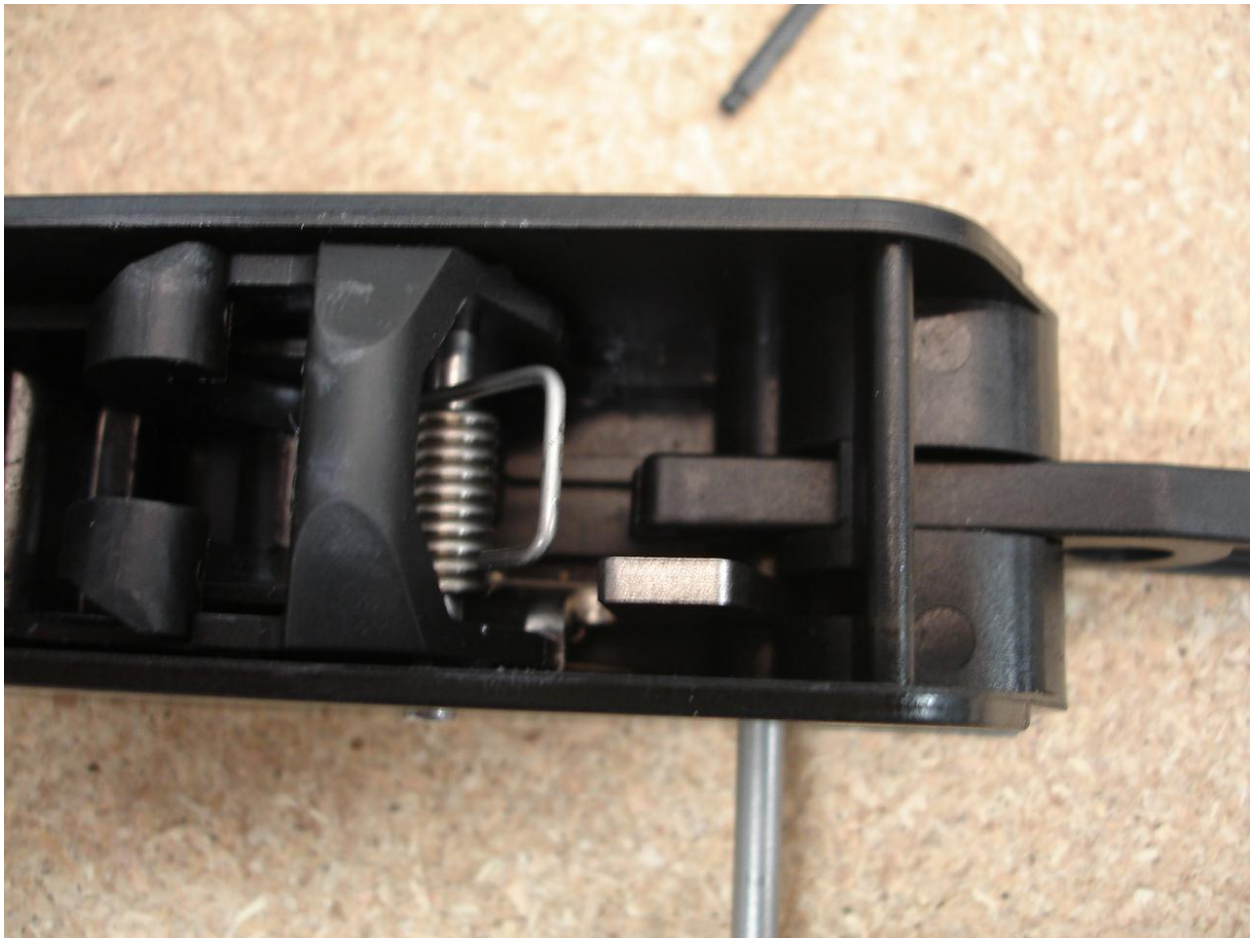
7. Take special notice of the sear return spring as noted in step 5. This is the other end of the trigger spring. It engages in a groove to pull the sear catch back.



8. Take a small allen wrench or pin punch and gently push out the pin. Do not push it out all the way. Push it out just enough to release the stock trigger spring bar.



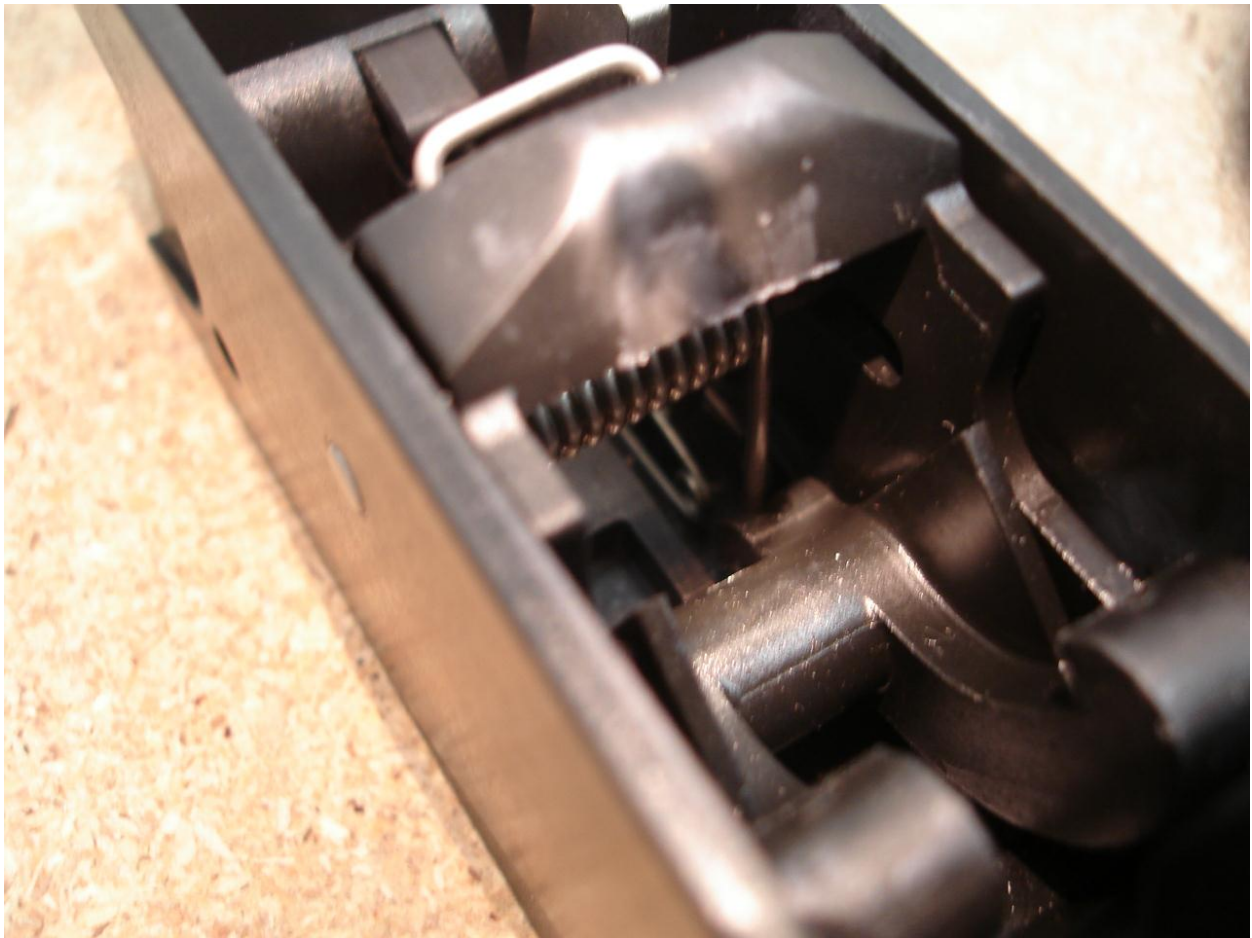
9. The trigger spring bar will now pop up once you remove the allen wrench or punch. Push down on the spring with your index finger and disengage it from the trigger spring bar.



10. It now looks like this. Remove the stock trigger spring bar.



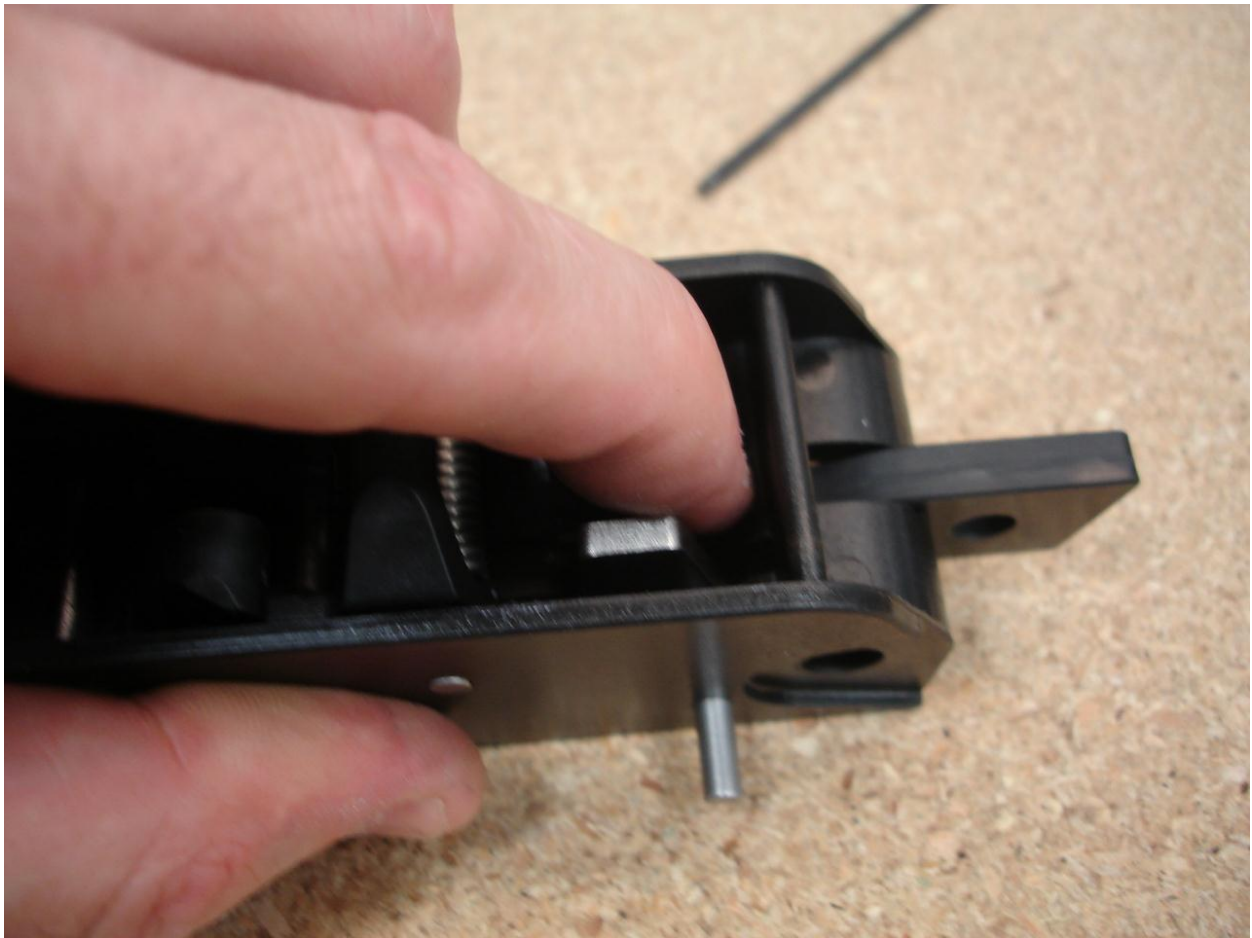
11. Install the new K&M Lightning by tilting it at an angle to get it into the slot.



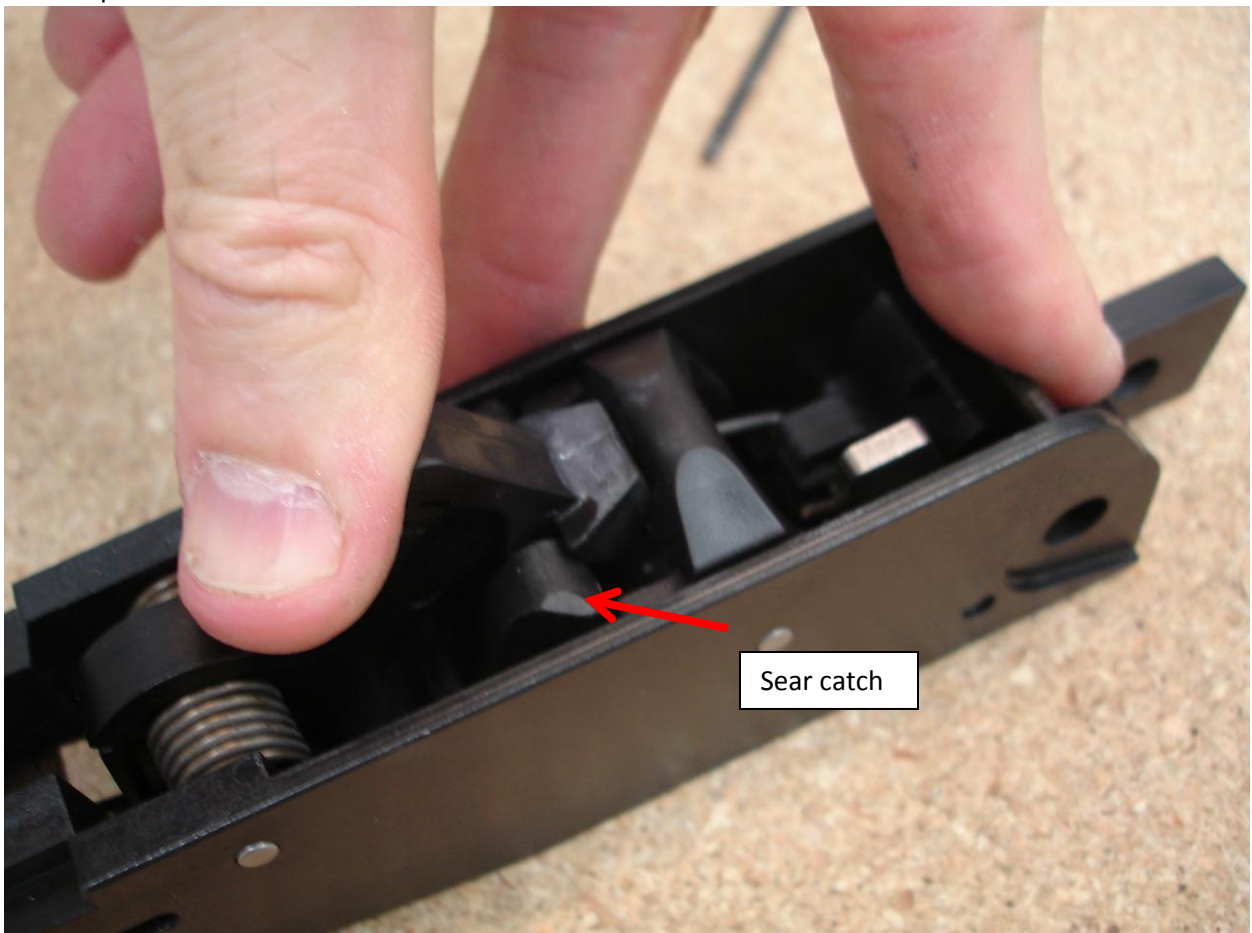
12. Once the Lightning is in make sure the sear return spring is in the groove of the sear catch. If it is not your rifle will not operate correctly and may go full auto.



13. Place the trigger spring in the desired location on the K&M Lightning.



14. Push the spring and Lightning down and align in back and forth so you can slide the pin back into place.



15. Now re engage the trigger into the catch. The sear catch must have spring tension on it to operate properly.



16. Slide the trigger pack back into the butt stock, replace the butt cap.



17. Install the sling pin. Now charge the rifle and feel the trigger pull. Change the position of the spring to the desired poundage pull.