



M-CARBO KEL TEC SUB-2000 Trigger Spring Kit

Installation Instructions www.mcarbo.com

For more info or support: info@mcarbo.com



Attention: Before you begin, be certain the firearm is clear and safe.
Follow the instructions in your owner's manual on how to field strip your rifle.

Step 1: Field Strip your rifle. Refer to pages 17 & 18 of your owners manual. Check www.mcarbo.com for SUB-2000 Owners Manual.

Step 2: Remove Castle Nut(collar) by tapping on groove with punch and hammer.



Step 3: Remove the 2 c-clips from both sides of the cross bolt safety. The detent will also fall out once clips are removed.



Step 4: Remove all 10 screws from trigger assembly. 5 screws on each side.



Step 5: Carefully pry apart polymer plastic trigger assembly.



Step 6: Remove Magazine release button.



Step 7: Remove Safety from trigger assembly.



Step 8: Inside view of Trigger Assembly. Carefully examine the interior parts to see their orientation and placement.



Step 9: Remove Trigger, Trigger Return Spring and Trigger bar by pulling up carefully on the trigger.



Step 10: Remove Sear Spring.

Step 11: Remove the sear. Place your finger on the hammer and apply pressure to make sear removal easier.



Step 12: Remove Hammer.



Step 13: Separate barrel from trigger housing. Pull up and out on barrel.



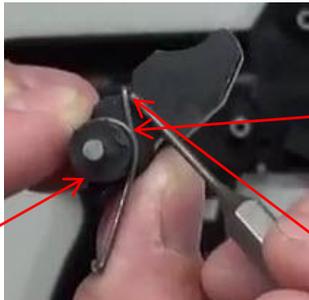
Step 14: Remove receiver.



Note: Don't remove trigger guard.



Step 15: Replace factory hammer spring with MCARBO Hammer Spring by removing hammer hinge pin.



Make sure this straight leg is above the hinge pin and the loop of the hammer spring is behind the strike face.

Step 16: Insert Hammer, Hammer Spring and Hinge Pin into Trigger Housing. Make sure hammer leg rests behind stud.



Step 17: Insert Sear and stage hammer in this position on top of sear. Leave hammer in this position for remainder of install.



Step 18: Place MCARBO Sear Spring onto sear. Short leg on top of sear and long leg behind stud.



Step 19: Remove this stud.



Step 20: Insert Receiver into trigger housing. Line up tabs on receiver with cut outs on trigger housing. Re-install stud you removed from step 19.



Step 21: Install MCARBO Trigger Return Spring. Slide trigger off of hinge pin and then replace stock spring with MCARBO Trigger Return Spring. Make sure the long leg of the spring slides back onto the pin first so that it will rest against this tab on the trigger bar.



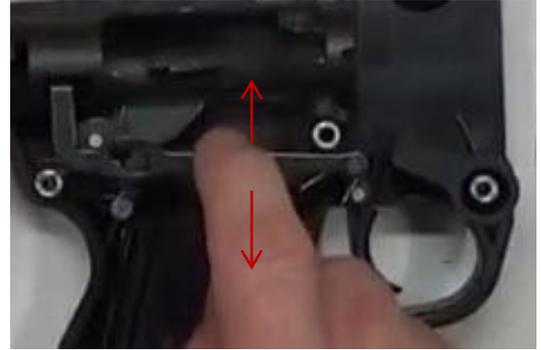
Step 22: Re-Insert Trigger into trigger housing. Then move short leg of trigger return spring clockwise around and over the trigger hinge pin on the trigger housing to provide necessary tension.



Make sure tab on sear sticks through this cut-out on trigger bar.

Make sure trigger bar sits in cut-out on receiver.

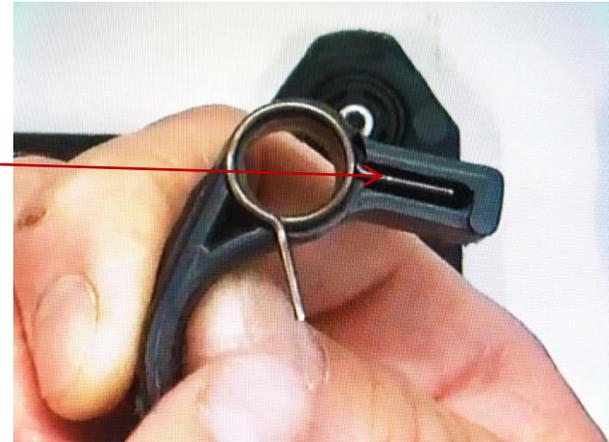
Step 23: Test to make sure trigger bar moves up and down.



Step 24: Remove trigger guard then remove spring.



Step 25: Insert Spring into trigger guard. Long leg into this cut out. The short leg will compress and provide tension for the trigger guard by pushing against plastic trigger housing.



Step 26: Re-Install barrel by inserting barrel over stud and lining it up with hole in the sight



Step 27: Insert Magazine release into this hole.



Step 28: Place empty magazine behind the magazine release button to keep it in place.



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Step 29: Make sure magazine release spring is still in place here. Also make sure hammer spring leg is not sitting on top of this stud. Re-install other half of trigger assembly.



Step 30: Re-insert all 10 screws into trigger housing. There are 5 on each side. Don't over tighten.



Step 31: Using a punch test to make sure the trigger bar still moves up and down.



Step 32: Using your punch lift up on hammer through this hole in trigger assembly. Then using a toothbrush push hammer all the way back until it locks in cocked position.



Step 33: Insert punch from left side and insert safety from right side. Make sure "Fire" side of safety is on the right side. Use punch to push down on trigger bar.



Step 34: Insert detent into small hole on safety. Use razor blade to compress detent and insert the safety back into the trigger housing. Don't push it too far back inside.



Step 35: Then re-insert c-clips onto both sides of crossbolt safety.



Step 36: Re-insert Bolt. Keep hole on bolt lined up with track on receiver.



Step 37: Install Castle Nut (collar). Apply Loctite to inside of Castle Nut (collar) and twist onto trigger housing.



Step 38: Insert charging handle into hole in bolt. Then insert recoil spring all the way into receiver.



Step 39: Lastly, Insert buttstock, buffer and pin in that order. Then perform a function check.



After you have reassembled your KEL TEC SUB-2000 make sure you do a function check. Cycle the action and load a snap cap or spent shell casing into the chamber. With the rifle safety on "safe" and the barrel pointed in a safe direction, verify that the rifle will not fire when you attempt to pull the trigger. Place the safety now on "fire" and now verify the hammer falls.

