



# M\*CARBO Thompson Center Compass Trigger Spring Kit

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You must be 18 yrs of age to purchase. We advise that all parts purchased from our inventory be installed and inspected by a qualified gunsmith. Modifying your weapon may be prohibited in your state. Do not modify your sear or hammer engagement surfaces. Before installing please be sure to check all local state and federal laws. By installing this part you agree to take full responsibility for any and all legal, health and warranty consequences that may be incurred.



**Step 1: Clear your Firearm - Check the chamber, bolt face and magazine well.**

**Step 2: Gather Parts and Tools Needed**



1. Thompson Center Compass Trigger Spring Kit
2. 1/16" Punch
3. Hammer
4. 5/32" Allen Key
5. 2mm Flat Head Screwdriver
6. Blue 242 Loctite
7. Synthetic Grease w/ PTFE
8. Block of wood with 1/2" hole in it.
9. Eye Protection

**Step 3: Remove Bolt. Press Bolt release and slide out bolt.**



**Step 5: Remove Stock**



**Step 4: Remove Front and Rear Takedown Screws**





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Step 6: Tap out Trigger Hinge Pin with hammer and 1/16" punch.



Step 8: Make sure all of the following parts are removed.  
Trigger, Counterweight, Sear, Trigger Hinge Pin, Sear Hinge Pin, Trigger Return Spring, Sear Spring and Secondary Trigger Return Spring



Step 7: Tap out Sear Hinge Pin. Remove Counterweight, Sear and Sear Spring.



Step 9: Install M\*CARBO Sear Spring





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**Step 10:** Align Sear and counterweight, replace sear hinge pin and push through to other side. Use punch and hammer to push hinge pin through to other side.



**Step 11:** Repeat Step 10 with second hinge pin. Make sure both side are even.



**Step 12:** Remove adjustment nuts on the trigger (top and bottom).



**Step 13:** Back off the overtravel screw as shown. Place synthetic grease with PTFE on the trigger and sear engagement surface. (circled in red).



**Step 14:** Place small dot of Synthetic grease with PTFE in the middle hole before inserting your secondary return spring.



**Step 15:** Position Main trigger return spring over the overtravel screw.





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Step 16: Place the trigger on the counter weight and compress the secondary spring.



Step 18: Place trigger hinge pin underneath, in the hole and use the weight of the receiver to help push it in. Use a hammer and punch to make it even on both sides.



Step 20: Slide the bolt in and lock it in place.



Step 19: Insert the bolt and line it up with the notch on the bolt and the bolt release button.



Step 17: Line up the holes on the trigger and receiver and notch on the bolt and the bolt release button. the main trigger return spring with the pocket.



Step 21: Place blue removable loctite on the over travel screw and tighten screw.





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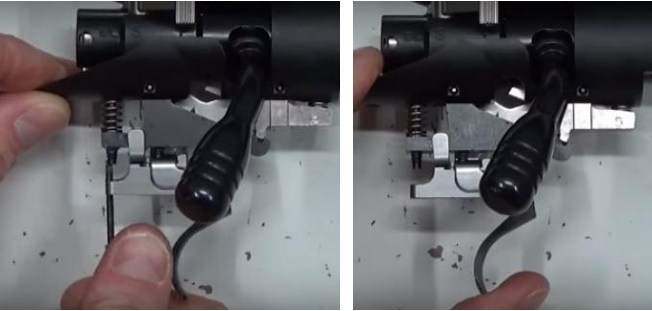
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Step 22: Once the overtravel screw is in all the way. Slowly back out the over travel adjustment screw incrementally and test it along the way, until the firing pin releases.



Step 24: Drop stock into place, recoil lug will snap in.



Step 26: Everything is back together. Functions check. Place on safe and pull the trigger, Nothing. Place on fire and pull the trigger, Fires.



Step 23: Start to reassemble. Drop the receiver and barrel group back into the stock. Line up the recoil lug in the stock with the slot on the receiver.



Step 25: Place the take down screws in the front and rear. Use the 5/32" allen key to tighten them into place.

