



MCARBO Thompson Center Encore Pro Hunter Trigger Spring Kit

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Step 1: Clear your Firearm - Check the chamber and the breech face

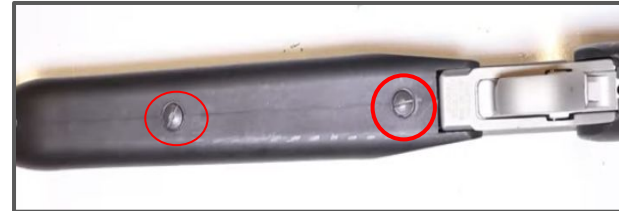


Step 2: Gather Tools Need for Installation:



1. Phillips Head Screwdriver - 2. Flat Head Screwdriver - 3. Hammer
4. Bench Block - 5. 3 punch set ($\frac{1}{8}$, $\frac{3}{32}$, $\frac{1}{16}$) - 6. $\frac{3}{16}$ Allen Key - 7. Synthetic Grease(PTFE)
8. $\frac{7}{64}$ Allen Key - 9. Safety Glasses

Step 3: First remove the Handguard. Take your Flat Head Screwdriver and remove the two screws. The back screw is a little bit longer than the front screw so that is how you'll tell the difference when you reinstall them.



Step 4: Once you have the front screw unscrewed, pull up and pull out and then remove the screw.





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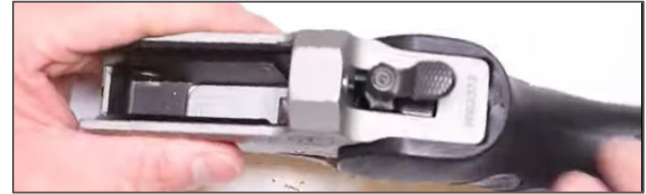
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Step 5: Set aside your Handguard and then next, you're going to remove the Hinge Pin. Open up the breech, use your Hammer to tap out some of the tension.



Step 7: Next you're going to remove the Firing Pin Spring so you can test the Trigger Pull.



Step 6: The Hinge Pin should easily come out and you should be able to remove the barrel.



Step 8: Push in on the interlock which allows you to cock the Hammer back.





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Step 9: Don't pull the trigger. Take your 7/64 allen key and you're going to remove that set screw up top.



Step 11: Once you remove the plug which contains the firing pin and spring, then the set screw should put right out.



Step 12: Now you will be able to test your Trigger Pull.

Step 10: Next you're going to remove the Plug upfront.





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Step 13: Remove the plate that will give you access to the bolt that will remove the Buttstock from the receiver.



Step 14: Next you're going to take your 3/16 inch allen key and remove that bolt. Once you remove the bolt, you should be able to detach the receiver from the buttstock.



Step 15: Once you remove the bolt, there should be a washer and a lock washer.



Step 16: Next, you're going to remove the following pins: **1.** Trigger Guard Hinge Pin **2.** Trigger Hinge Pin **3.** Sear & Interlock Hinge Pin **4.** Hammer Hinge Pin.





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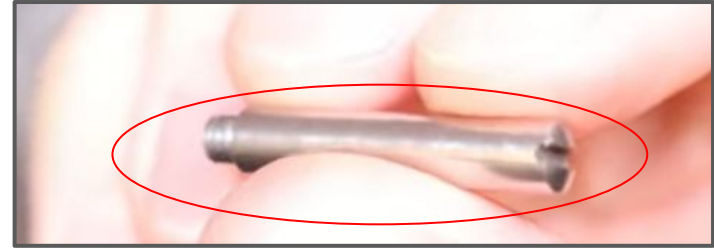
Step 17: Flip over the receiver and remove the Trigger Guard Hinge Pin with a Flat head Screwdriver. It will be the only one with threads in it.



Step 18: After you loosen the Pin with your screwdriver, use your 3/32 inch punch and push the pin all the way out.



Step 19: Continue to push on the Trigger Guard Hinge Pin until it pops out.



Step 20: Slowly remove the the Trigger Guard that has the Trigger Guard Return Spring attached to it.





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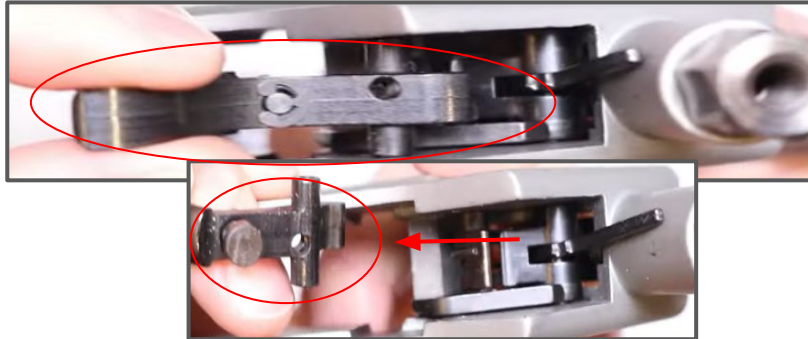
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Step 21: Next you're going to remove the Trigger Hinge Pin by pressing it through using your 3/32 inch punch.



Step 22: After you remove the Trigger Hinge Pin, the Trigger will just pop right out.



Step 23: Next, you're going to use your 3/32 inch punch to tap out the Sear Pin and use your Bench Block for leverage.



Step 24: After you remove the Sear Pin, the interlock will easily come out.





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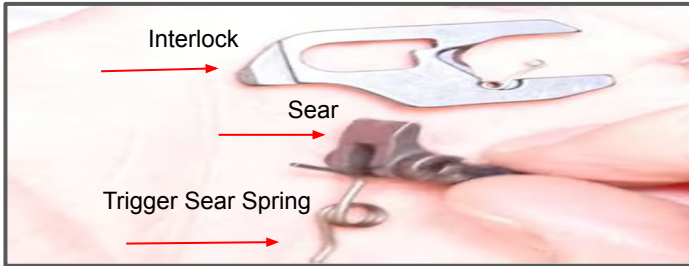
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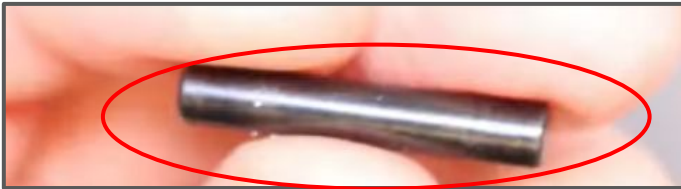
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Step 25: You should now have the following components disassembled.



Step 26: Next you're going to use your $\frac{1}{8}$ punch to remove the Hammer Hinge Pin.



Step 27: Once you remove the Hammer Hinge Pin, set it aside and remove the Trigger Guard Spring Strut.



Step 28: After you remove the Trigger Guard Spring Strut, you're able to pull the Hammer through the bottom.





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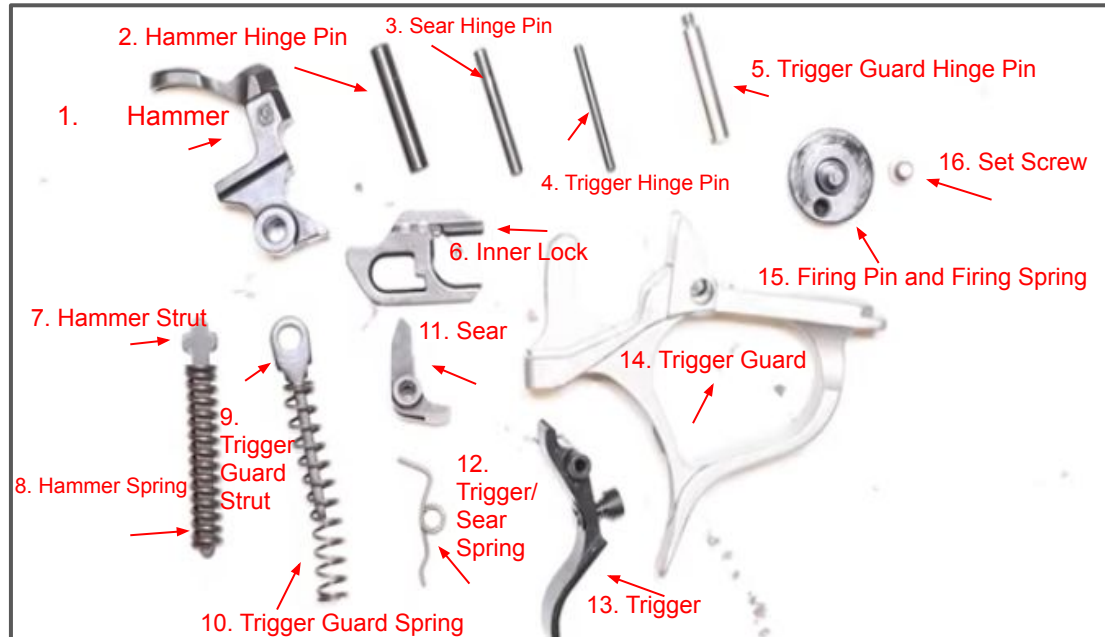
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Step 29: Once you remove the Hammer, you will be able to pull out the Hammer Strut and the Spring.



Step 30: After disassembly, you will have the following parts: **1. Hammer** **2. Hammer Hinge Pin** **3. Sear Hinge Pin** **4. Trigger Hinge Pin** **5. Trigger Guard Hinge Pin** **6. Inner Lock** **7. Hammer Strut** **8. Hammer Spring** **9. Trigger Guard Strut** **10. Trigger Guard Spring** **11. Sear** **12. Trigger/Sear Spring** **13. Trigger** **14. Trigger Guard** **15. Firing Pin and Firing Spring** **16. Set Screw**





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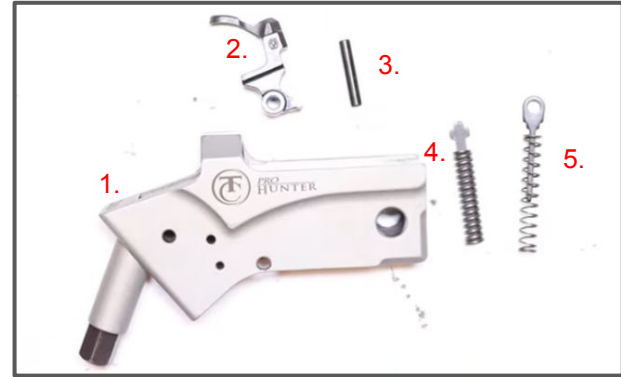
Step 31: Next, you will be replacing most of the springs so go ahead and get your T/C Encore Pro Hunter Trigger Spring Kit ready.



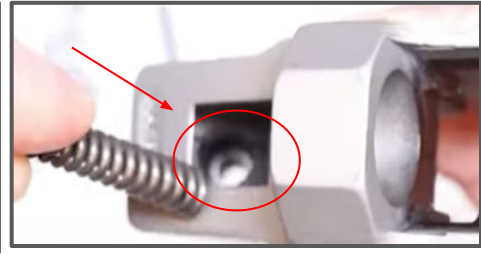
Step 32: Next, you're going to replace the Factory Firing Pin Spring with your MCARBO Firing Pin Spring. Just drop it right in along with the Set Screw.



Step 33: For the first phase of reassembly, you will need the following: 1. Receiver 2. Hammer 3. Hammer Hinge Pin 4. Hammer Spring and Strut 5. Trigger Guard Spring and Strut.



Step 34: Now you're going to pick up your receiver and drop in your Hammer Spring and Hammer Strut into the little hole.





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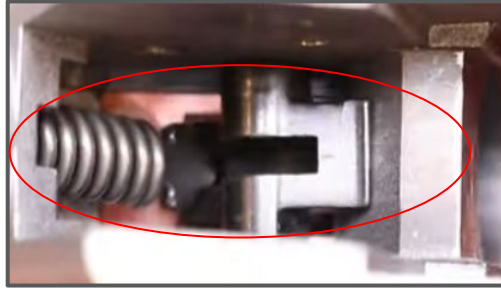
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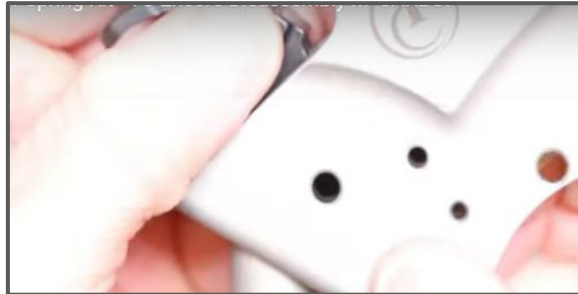
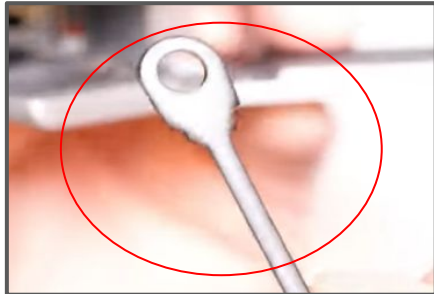
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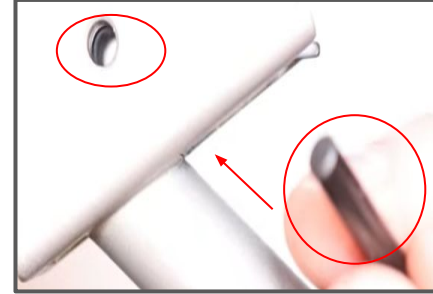
Step 35: Next, you're going to insert the Hammer from the bottom of the Receiver. Hold the Hammer Spring and Strut to keep the Tension.



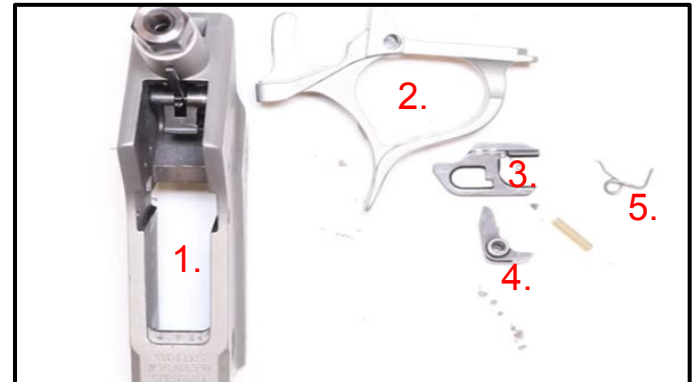
Step 36: Now you're going to get your Trigger Guard Spring and Strut lined up with the hole and insert it into the notch on the Hammer.



Step 37: Next, take your biggest pin and insert it into the Receiver from the bottom.



Step 38: The 2nd phase of assembly includes the following: **1.** Receiver **2.** Trigger Guard **3.** Interlock **4.** Sear **5.** Sear Spring





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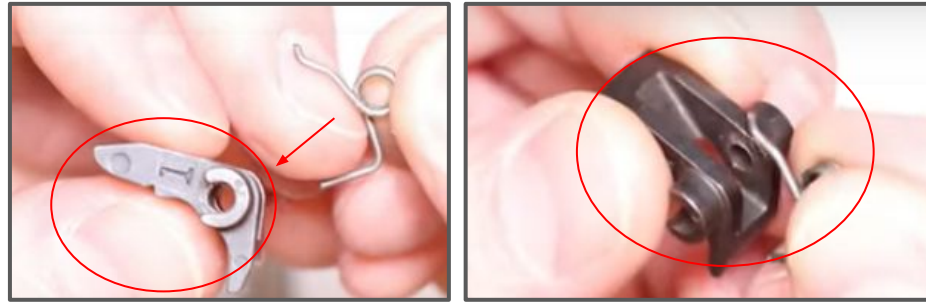
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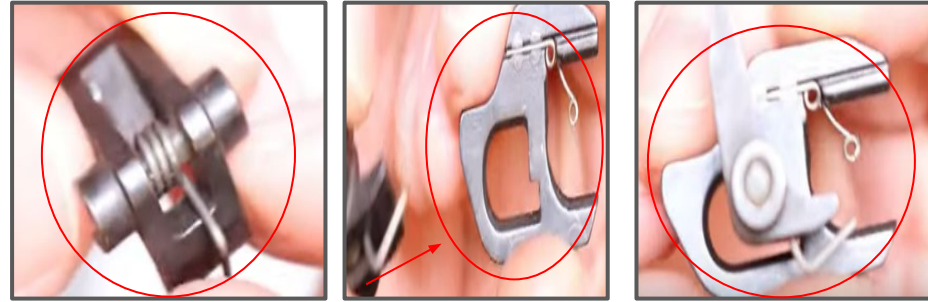
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Step 39: First, you're going to put the Sear Spring onto the Sear.



Step 41: Then you will drop the Sear with the Sear Spring into the Interlock.



Step 40: Take your assembly tool and line it up with the hole in the Sear. Then take your 1/16 inch punch on the other side and use it to pry that loop in place until the Sear Spring is completely in place.



Step 42: Next, you're going to hold it together and insert the Interlock into the Assembly and compress it in.





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Step 43: Then you're going to insert your 2nd biggest Pin by just pushing it through the bottom of the Receiver until it is completely in.



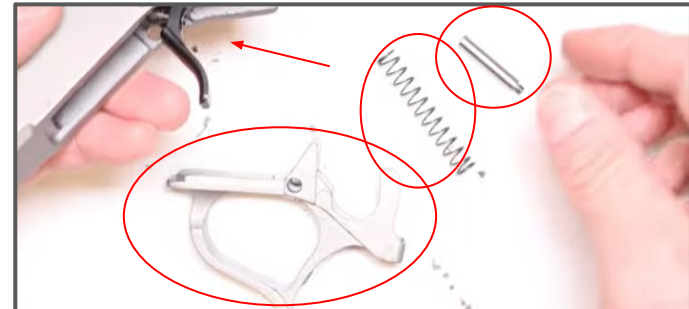
Step 45: You're going to insert your Hinge Pin. Push it through the bottom until it is fully in place.



Step 44: You're done with Phase 2. Now Phase 3 is first putting the Trigger back in. Grab the leg of the Spring and get it to hook onto the hole. Once you hear a good snap, you know that the Trigger is locked in place.



Step 46: Nex you're going to install the rest of the parts that you have left.





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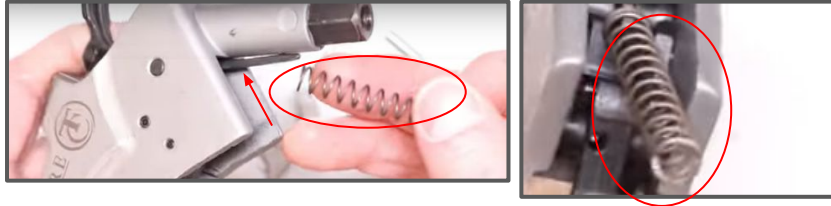
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Step 47: Take your Trigger Guard Spring and place it over top of the Trigger Guard Strut.



Step 48: Then take your Trigger Guard and drop it in. Make sure that the Trigger goes through the hole. Come the trigger into the assembly and keep your finger on the Trigger Guard Spring so that it doesn't come out.



Step 49: Next, push your pin in and use your punch to press down with your punch at the same time on the Spring loaded detent on the Trigger until the pin is all the way in.



Step 50: Use your Screwdriver and screw the last Pin all the way in once the Trigger Guard is fully compressed into the Receiver.





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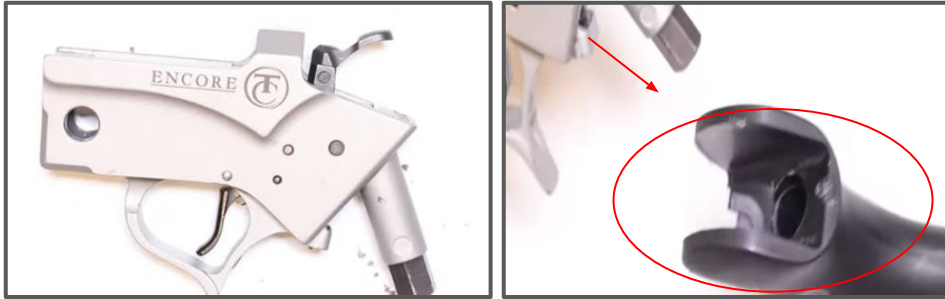
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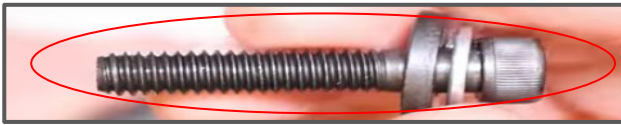
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Step 51: Now you're going to put your Receiver back on the Stock.



Step 52: Take your bolt with the washers and drop it in.



Step 53: Remember if you're not able to cock the Hammer after this, it has something to do with the spacing there, it might be missing a washer.



Step 54: Take your Flat Head Screwdriver and you're going to push down on the Interlock so that you can actually cock the Hammer.





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Step 55: Now you're able to measure the Trigger Pull.



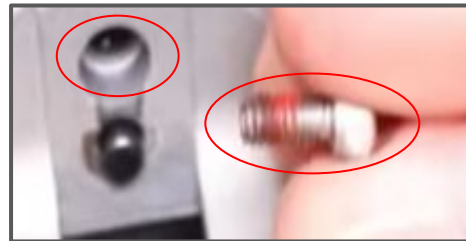
Step 57: Now you're going to put the Firing Pin and the Firing Pin Spring back in. You need to cock the Hammer back first, using your Flat Head Screwdriver to press down on the Interlock and pull back on the Hammer.



Step 56: Now you're going to put the on Buttstock Cover Plate. Be sure to line it up the screws and tighten them with your Phillips Head Screwdriver.



Step 58: Make sure that your Breech Plug is lined up and Insert the bolt back in. You can use some red loctite if need be. Use your 7/64 Allen Key and tighten the Bolt.





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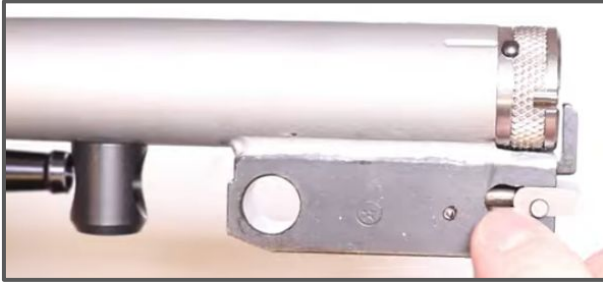
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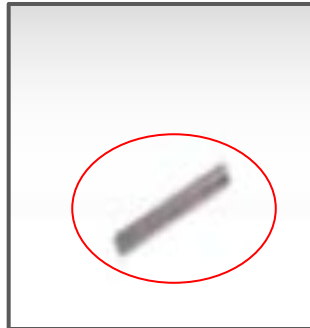
Step 59: Next you're going to replace the Locking Bolt Spring.



Step 61: Remove the Locking Bolt and use your punch to remove the factory Locking Bolt Spring.



Step 60: Use you 3/32 inch punch to tap out the Locking Bolt Pin.



Step 62: Once the Factory Locking Bolt Spring is removed. Replace it with your MCARBO Heavy Duty Locking Bolt Spring by dropping it in between the Receiver and the Barrel.





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Step 63: Next, you will put the Locking Bolt back in. Use a little Synthetic Grease W/PTFE to give you a smooth operation.

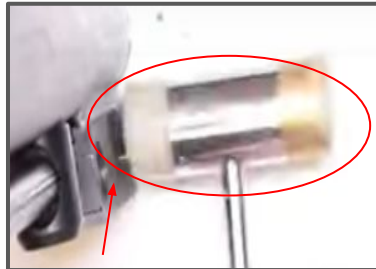
Step 65: Use your punch to press the Locking Bolt Pin in the rest of the way.



Step 64: Now you're going to insert the Locking Bolt Pin back in using your Hammer.



Step 66: Now you're going to put your Handguard back on.





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Step 67: Be sure to place the shorter one up front and drop that Handguard right on.



Step 68: Use your Flat Head Screwdriver to screw the Handguard Screws back in.

Step 69: Your reassembly is all finished.



Step 69. You're done with the installation. Happy Shooting!

