



M*CARBO Ruger 10/22 Trigger Spring Kit and Polish



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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.

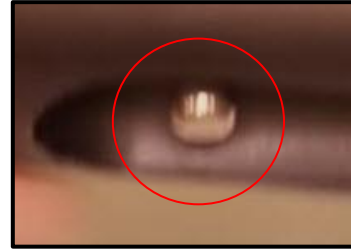


Step 1: Clear your Firearm - Check the Chamber, Bolt Face and Magazine Well.



1. M*CARBO Ruger 10/22 Trigger Spring Kit
2. M*CARBO Firearm & Feed Ramp Polishing Kit
3. Dremel Rotary Tool
4. M*CARBO Firearm Cleaning Kit
5. Synthetic Grease (w/PTFE)
6. 1/16" 3/32" and 1/8" Punches
7. Bench Block
8. 4mm Allen Key
9. Micro-Tip Flathead Screwdriver
10. Hammer
11. Eye Protection

Step 3: Lock the Bolt Back using the Bolt Stop. Pull Forward on the Tab on the Underside of the Barrel. Rotate it Towards you and Remove it.



Step 2: Gather Parts and Tools needed for Installation.



Step 4: Hit the Bolt Release and let the Bolt go Forward.





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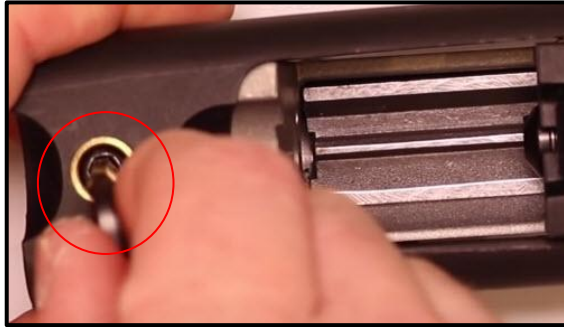


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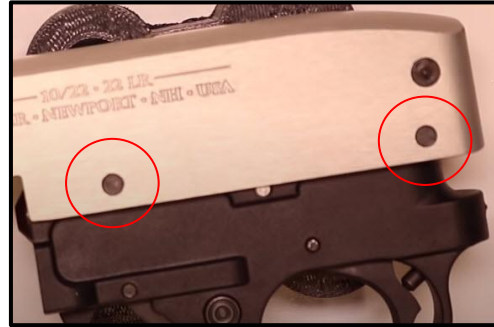
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Step 5: Turn the Receiver Upright. Use your 4mm Allen Key to Remove the Takedown Screw.



Step 7: Set your receiver on your Bench Block. Use your 1/8" Punch to Push out the Two Receiver Pins.



Step 6: Push the Safety out of the way, Then Pull up on the Stock and remove it.



Step 8: Place your Thumb over your Hammer. Pull the Trigger and let the Hammer go Forward.





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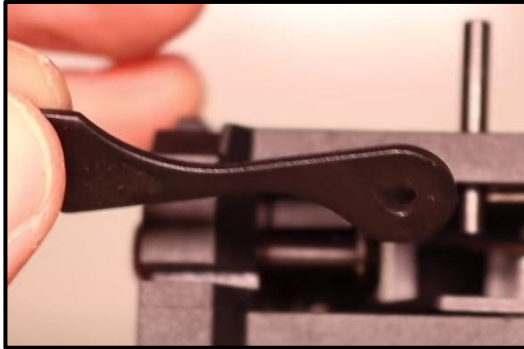


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Step 9: Push out the Ejector Hinge Pin and Remove the Ejector.
Then remove the Ejector Hinge Pin.



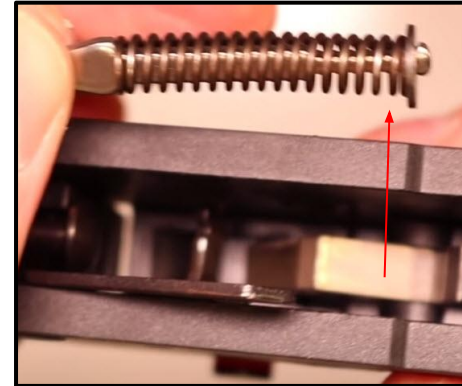
Step 11: Pull up on your Hammer to Remove it.



Step 10: Push out the Hammer Hinge Pin.



Step 12: Pull out the Hammer Strut and Hammer Spring.





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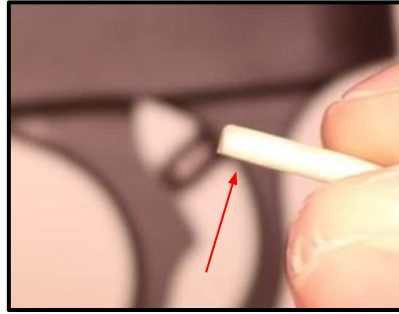
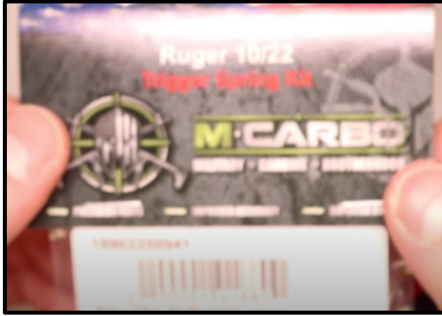


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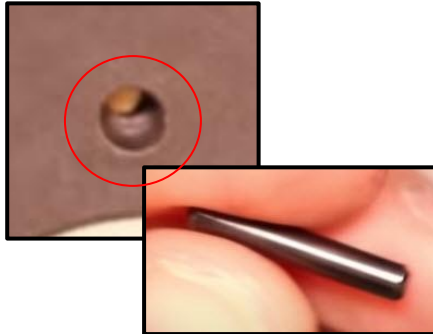
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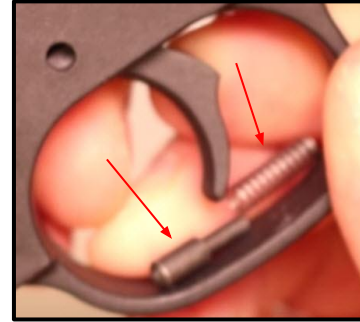
Step 13: Open your Ruger 10/22 Trigger Spring Kit from M*CARBO. You'll just need the Assembly Dowel for now.



Step 14: Use the Assembly Dowel to Push out and Replace the Trigger Hinge Pin and Keep everything aligned.



Step 15: Push up on the Trigger to Push the Trigger Assembly Up and Out. The Trigger Return Spring and Plunger should Fall Out.



Step 16: Put some Synthetic Grease on Both Sides of the Bolt Stop Pin to keep it from falling out.





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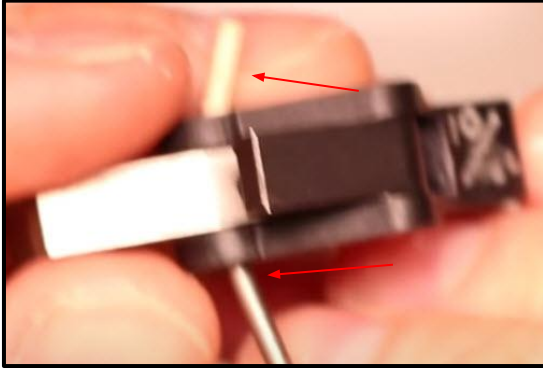


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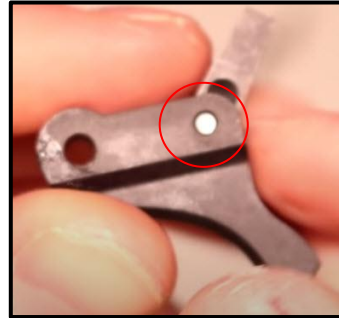
Step 17: Push the Assembly Dowel out of the Trigger Assembly.



Step 18: Remove the Sear and Sear Spring.



Step 19: Push out the Disconnecter Hinge Pin and Remove the Disconnecter.



Step 20: Next we will be Polishing the Sear and Hammer. If you do not wish to Polish, Skip to Step 33.





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Step 21: Set up your Microfiber Cloth as your work area. Open up your M*CARBO Flitz Gun Polish.



Step 22: Grab your Dremel Rotary Tool. Twist the Drillbit to Lock it, then Insert one of your Bullet Tips and Tighten it in.



Step 23: Put on the Gloves included in the Polishing Kit. Make sure you are still wearing Eye Protection.



Step 24: Coat the Bullet Tip in Flitz on all sides.





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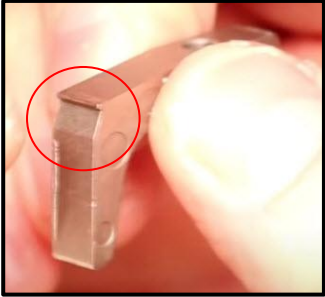


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Step 25: Coat the Sear in Flitz as well. Be sure to cover the Engagement Area.



Step 27: Coat the Sear in Flitz again. Clean off the Drillbit and Saturate it again with some Flitz.



Step 26: Turn on your Dremel. Set it to Medium Speed and Start Polishing. Check your work once the Flitz is all gone.



Step 28: Set the Dremel to a Higher RPM and Polish again.





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Step 29: Stop Polishing when the Sear starts to Overheat. Check your work and Repeat the Process until you are Happy with your Polish.



Step 30: Grab the Hammer. Coat the Hammer in Flitz and again be sure to Focus on the Engagement Surface.



Step 31: Swap out your Drillbit with a Fresh one. Make sure it is on Tight and Saturate it with Flitz.



Step 32: Repeat the Polishing Process until you are Satisfied.





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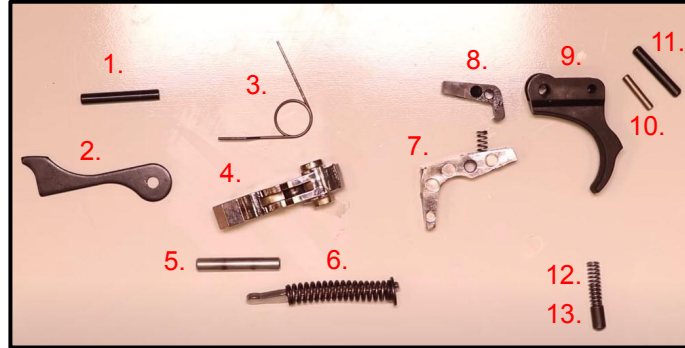
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Step 33: Put some Synthetic Grease on the Hammer and Sear Engagement Surfaces.

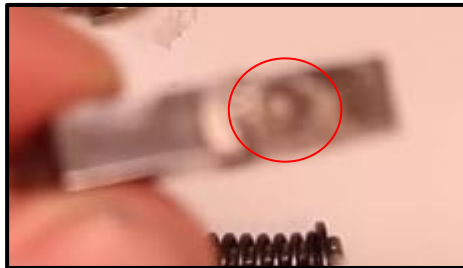


Step 35: Gather all of your parts for the Trigger Assembly.



1. Ejector Hinge Pin
2. Ejector
3. Bolt Stop Spring
4. Hammer
5. Hammer Hinge Pin
6. Hammer Strut/Spring
7. Sear & Sear Spring
8. Disconnecter
9. Trigger
10. Disconnecter Pin
11. Sear Pin
12. Trigger Return Spring
13. Plunger Cap

Step 34: Put a drop of Synthetic Grease in the Sear Spring Pocket, then Insert the Sear Spring.



Step 36: Grab your New MCARBO Trigger Return Spring and Assembly Dowel.





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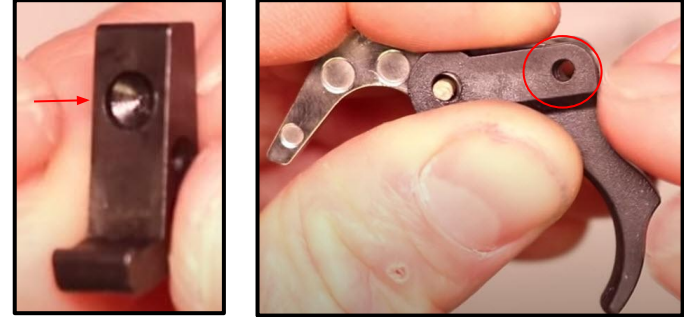
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Step 37: Remove the Factory Trigger Return Spring and Slide the New Spring onto the Plunger.



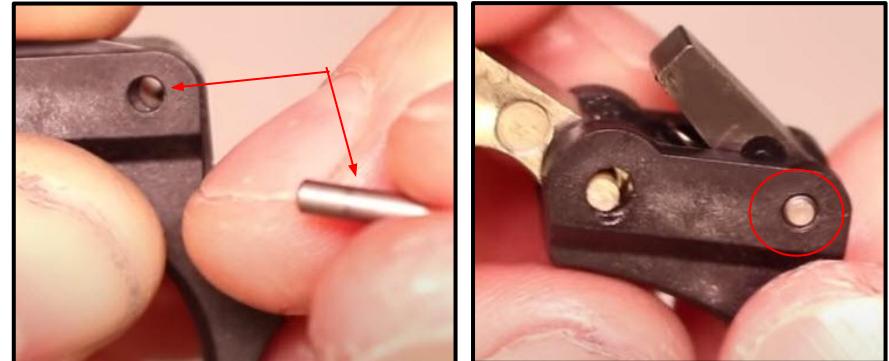
Step 39: Drop the Disconnecter Cutout over the Sear Spring. Compress it Down so the Hole Lines up Inside the Trigger.



Step 38: Insert the Sear back into the Trigger. Insert your Assembly Dowel to Hold Everything in Place.



Step 40: Insert the Disconnecter Pin.





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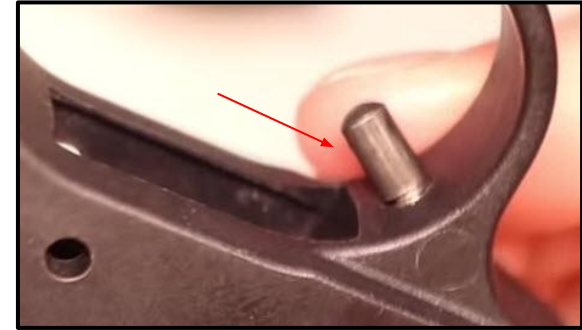
Step 41: Put a little Synthetic Grease on the end of the Plunger.



Step 42: Grab your Trigger Guard Housing Assembly and Locate the Hole on the Trigger Guard.



Step 43: Insert the Trigger Return Spring and Plunger into the Trigger Guard.



Step 44: Grab your Trigger and Drop it in. Guide it into Position so it rests on the Plunger. Line up the Assembly Dowel with the Hole.





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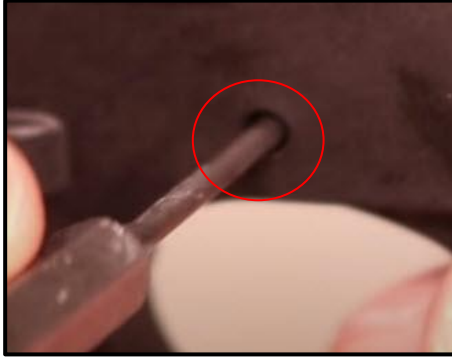


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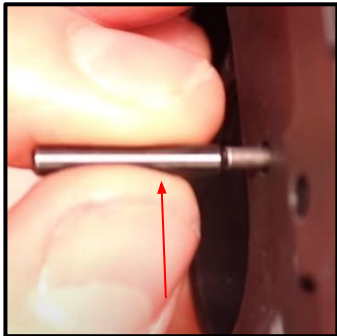
Step 45: Use your 3/32" Punch to Push Out and Replace the Assembly Dowel.



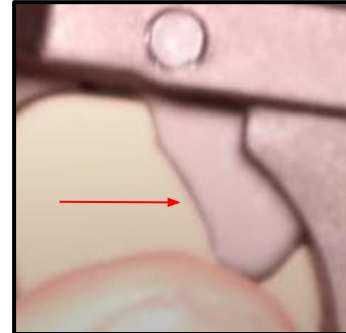
Step 47: Align the Bolt Stop Spring on the Right Side of the Hammer and Keep it Compressed.



Step 46: Use the Sear Pin to Push out and Replace your Punch. Use the Punch to guide the Pin through.



Step 48: Push the Bolt Lock up to make room for the Hammer.





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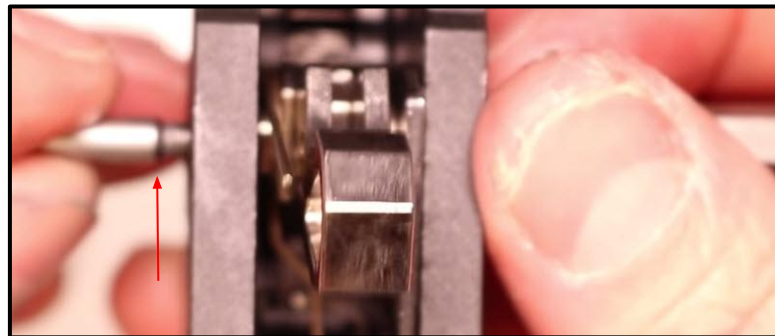
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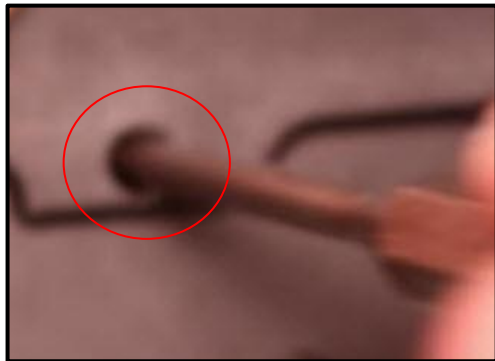
Step 49: Slide the Hammer into Place. Push the Bolt Lock back down and Line up the Hole.



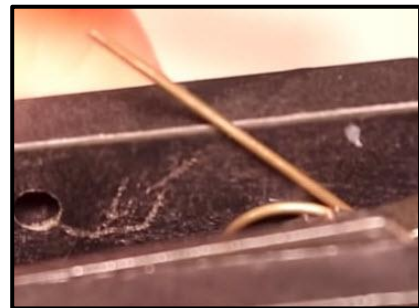
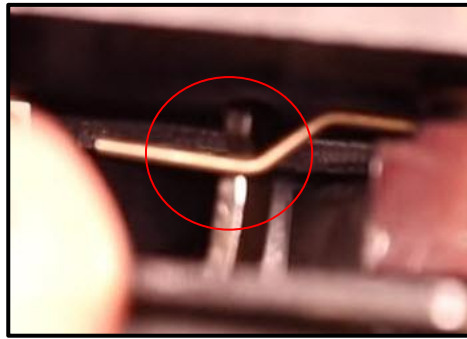
Step 51: Use your Hammer Hinge Pin to Push Out and Replace the Punch. Use the Punch to Steer it in.



Step 50: Insert your 1/8" Punch through the Hole to Maintain Alignment



Step 52: Check that One leg of the Bolt Stop Spring is Located in the Bolt Lock. The other should be Sticking Out.





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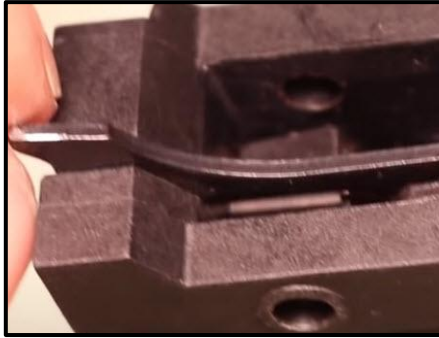


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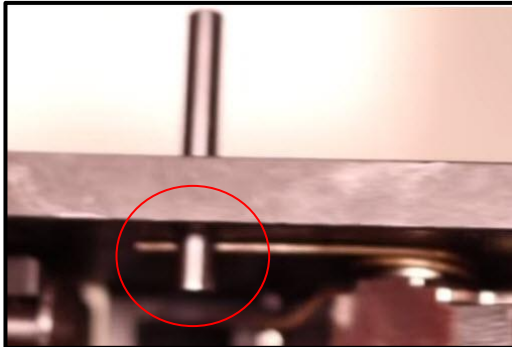
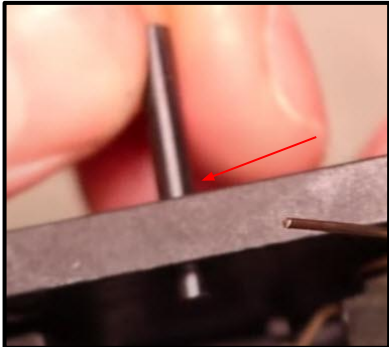
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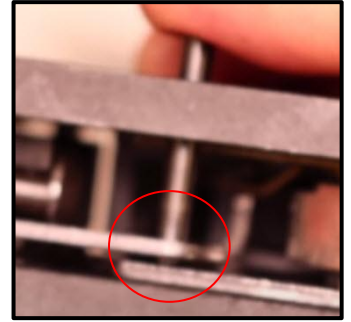
Step 53: Grab your Ejector and Set it in Position.



Step 54: Insert the Hammer Hinge Pin from the Back. Push down on the Straight Leg of the Spring and Let the Pin Overtop it to Capture it.



Step 55: Line up the Ejector and Push the Hinge Pin Through.



Step 56: Push up on the Bolt Lock a bit to make Clearance, then Push the Hinge Pin the rest of the way through. Make sure it is Even on Both Sides.





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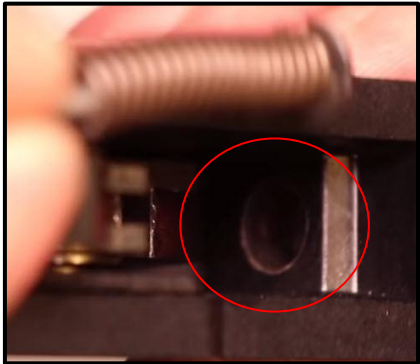
Step 57: Pull the Trigger so the Hammer goes Forward. Grab your Hammer Strut and Spring and Position it Round-Side Facing you.



Step 59: Check the Back of the Assembly to Make sure you can see the Hammer Strut.



Step 58: First get the Base of the Strut to Locate in the Large Hole Below.



Step 60: Push back on the Hammer and Lock it in Place.





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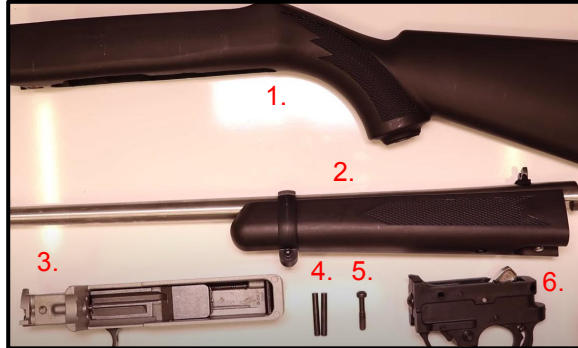
Step 61: Check to make sure your Safety and Trigger work Properly.



Step 63: Grab your M*CARBO Firearm Cleaning Kit. If you do not wish to Clean your Firearm Skip to Step 83.



Step 62: Gather your Remaining Pieces.



1. Buttstock
2. Barrel
3. Receiver
4. 2 Receiver Pins
5. Takedown Screw
6. Trigger Assembly

Step 64: Start with the Barrel. Put some CLP on your Microfiber Rag and Wipe the End of the Barrel.





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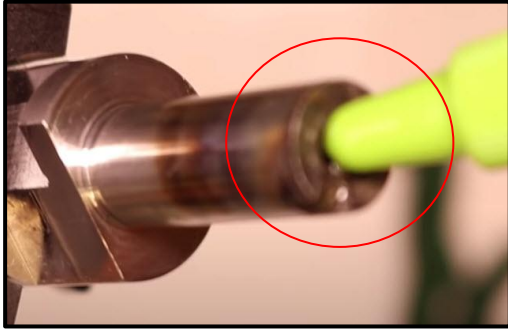


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Step 65: Pour some CLP Straight down into the Barrel. Position the other end of the Barrel on your Rag.



Step 67: Thread the Snake all the way Through. Then Repeat the Process for one or Two more Passes.



Step 66: Unravel your Bore Snake. Insert the Brass Bit through the Barrel and Thread it until it Exits through the Muzzle.



Step 68: Set the Barrel Aside and Grab your Receiver.





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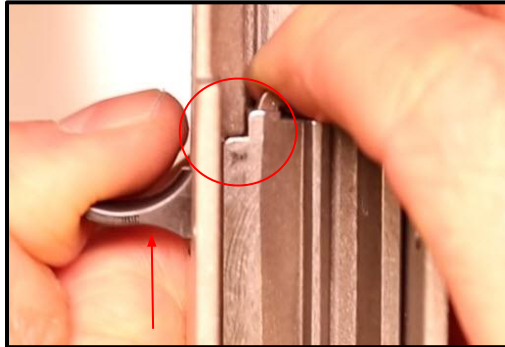
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Step 69: Use your 1/8" Punch to Push out the Bolt Stop Pin.



Step 70: Pull back on the Charging Handle. Pull up on the Bolt to Lock it in Place.



Step 71: Continue Pulling up and out on the Bolt. Push up on the Guide Rod and Spring Assembly so it is out of the Bolt.



Step 72: Remove The Bolt, Charging Handle and Guide Rod from the Receiver.





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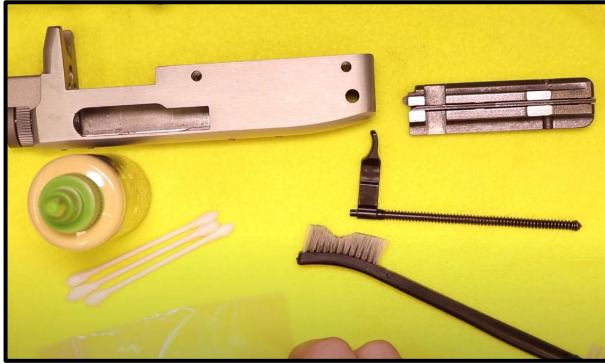


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Step 73: Set up a Cleaning Area for yourself.



Step 75: Wipe down the Bolt with your Microfiber Cloth.



Step 74: Saturate the Bolt with CLP and Scrub it with your Brush.

Step 76: Coat a Q-Tip in CLP. Use it to Scrub all the Tight Crevices of the Bolt.





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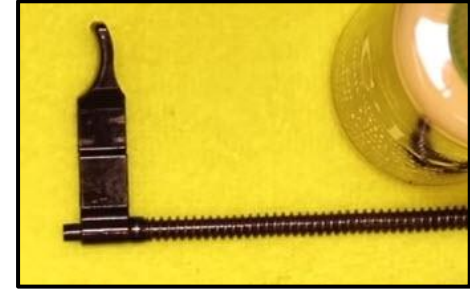
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Step 77: Repeat the Process Wiping down with your Rag until you are not getting Carbon and Grime on the Rag.



Step 79: Wipe off The Charging Handle and Guide Rod with your Rag. Repeat the Process until you are Satisfied with your Cleaning.



Step 78: Put some CLP on the Charging Handle and Guide Rod. Use your Brush to Scrub the Rod and Spring.



Step 80: Put some CLP in your Receiver. Scrub the Inside with your Brush and Q-Tips.





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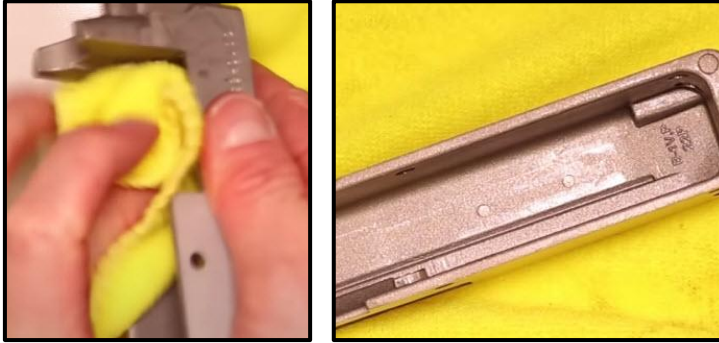


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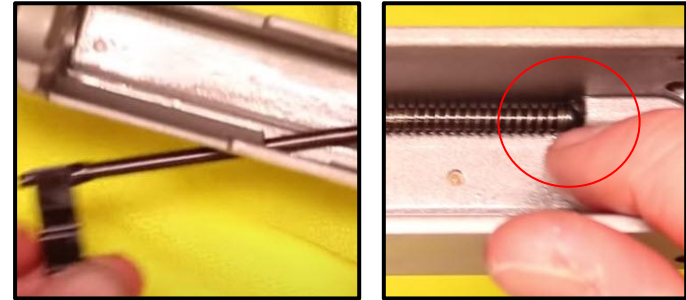
Step 81: Wipe off Inside and Outside of the Receiver.



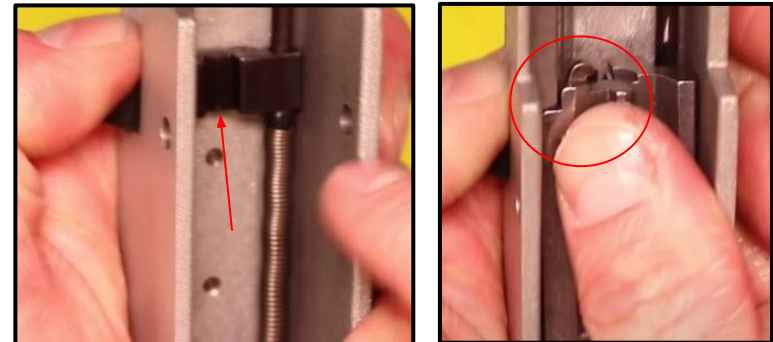
Step 82: Spread a little bit of CLP inside the Receiver.



Step 83: Re-Insert your Charging Handle and Recoil Spring through the Ejection Port. The Bottom Tab on the Guide Rod should Locate in the little Dimple on the Receiver.



Step 84: Pull back the Charging Handle and Keep it Compressed. Drop the Bolt back in overtop.





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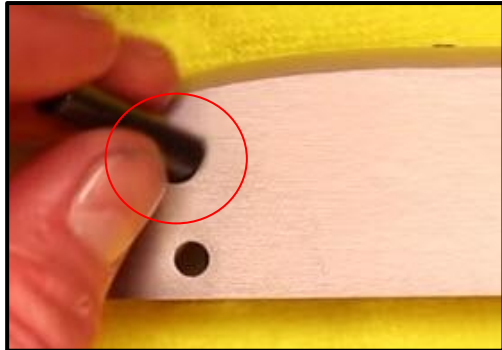
Step 85: Compress the Bolt into Place and let the Assembly Rise up.



Step 87: Grab your Trigger Assembly. Make sure the Hammer is Back and the Ejector is Forward.



Step 86: Insert your Bolt Stop Pin into the Back of the Receiver.



Step 88: Line up the Holes on the Trigger Group and Receiver. Insert the Two Takedown Pins.





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Step 89: Push in the Pins then Drop the Receiver into the Stock.
Make sure the Safety Clears the Stock.



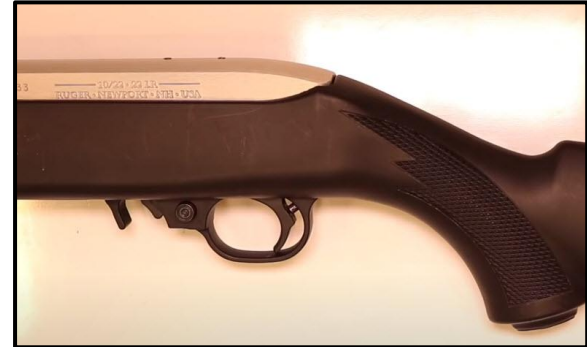
Step 91: Slide the Barrel into the Receiver at a 45 Degree Angle. Then turn it Upright and it should Lock in Place.



Step 90: Insert your Takedown Screw and Tighten it with your 4mm Allen Key.



Step 92: Perform a Function Check. Test your Charging Handle, Safety and Trigger Pull.





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You're all Set! Happy Shooting!

