

## Working on the Kel-Tec Sub 2000



**Disclaimer:** I am not a professional gunsmith, just a shooting enthusiast and hobbyist, as well as a tinkerer. If you are unsure about any of the following procedures, please defer to a qualified gunsmith. Please thoroughly read, and fully understand these instructions before proceeding. Where ever possible I used the names for parts as found in the owner's manual. For polishing I use wet/dry 400, then 600 grit emery paper wetted with Hoppe's gun oil. To remove metal I use a jeweler's file, then polish as above. For stoning I use a hard Arkansas stone. To polish pivot pins I use oiled 600 grit emery paper, or oiled automotive crocus cloth. Work slowly and carefully and check functioning frequently. It's always easy to remove a little more metal, but adding metal is very difficult. Some of these procedures require special tools, and only work when using those tools.

**Warning:** Disassembling and tinkering with your firearm may void the warranty. I claim no responsibility for use or misuse of these instructions; proceed at your own risk!

### **Disassembly**

Perform the following steps to disassemble your rifle:

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|  | <ol style="list-style-type: none"><li>1. <b>MAKE SURE YOUR RIFLE IS UNLOADED!</b></li><li>2. Unfold and latch the barrel.</li><li>3. Remove the recoil spring, bolt, and bolt head as described in the owner's manual.</li></ol> |
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4. Using a strap wrench, unscrew the stock collar. Holding the rifle normally, the collar has a standard right-hand thread, i.e. turn to the left to loosen, turn to the right to tighten.

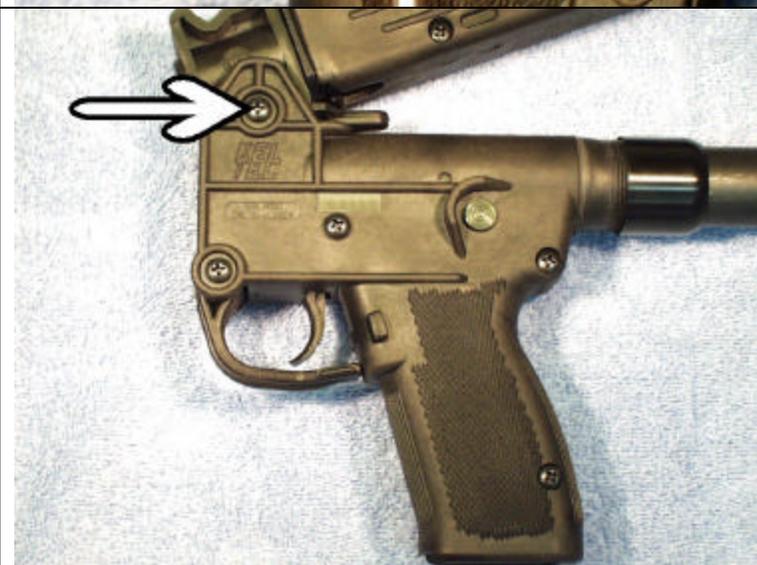
5. Unlock the barrel and fold in half, but do not latch it.



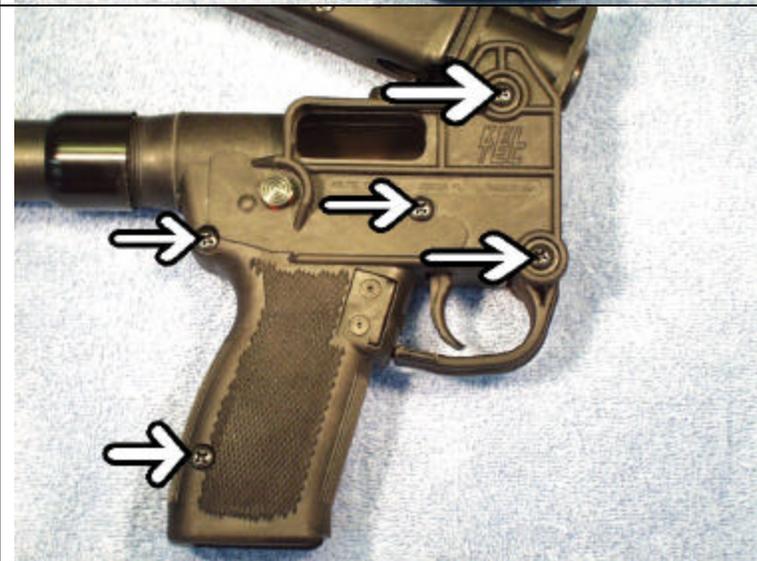
6. Place a wooden dowel of the proper diameter into the receiver and pull the trigger. Remove the dowel and allow the hammer to fall.



7. Remove the two 'C' clips from each side of the safety button.  
**Note: The 'C' clip in this photo has been colored red to enhance visibility. The actual clip is black.**



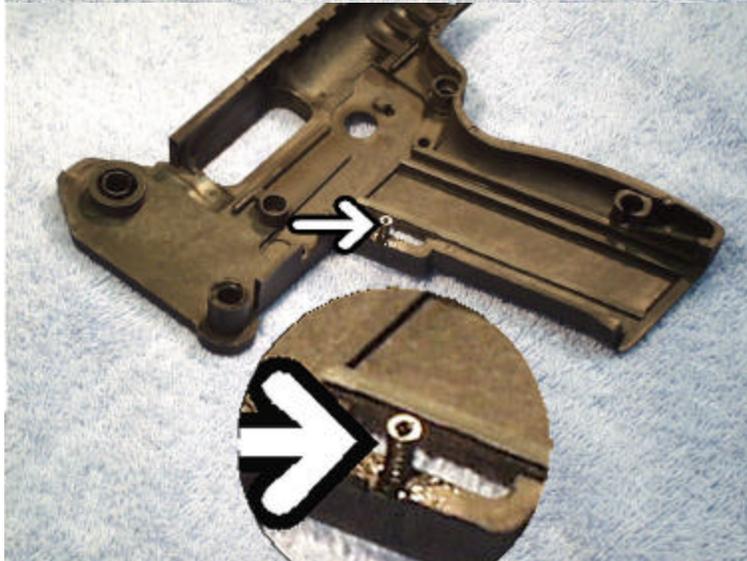
8. Remove the barrel hinge screw and washer from the left (non ejection port) side.



9. Remove the five screws from the right (ejection port) side of the receiver. The barrel hinge and trigger guard hinge screws have washers; don't lose them.



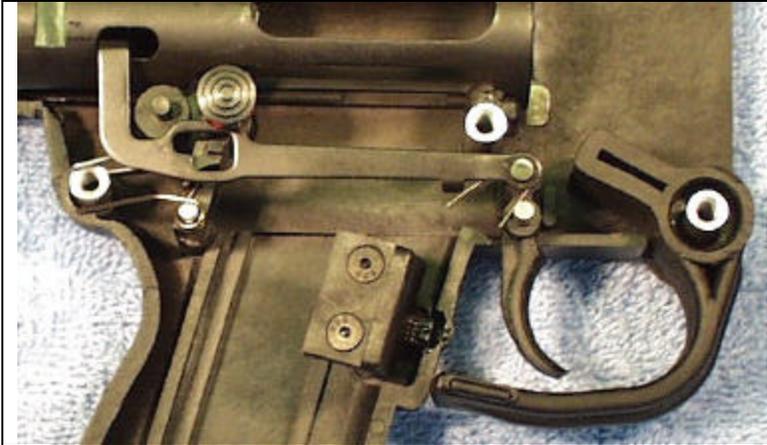
10. Gently pry apart the right receiver half. You may have to use a flat blade screwdriver to separate the receiver half from the barrel and trigger guard hinges. Be sure the trigger guard stays in the left receiver half to keep the spring in place.



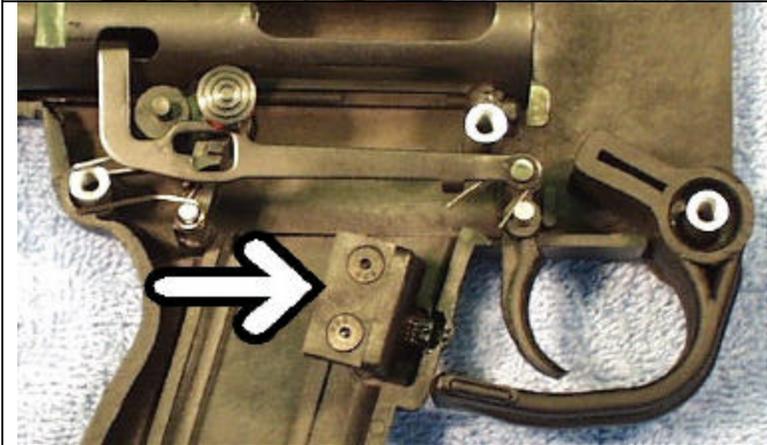
The magazine release spring may stay in the right receiver half; don't lose it. **This is a very well designed weapon, no springs or little pieces will fly out.**



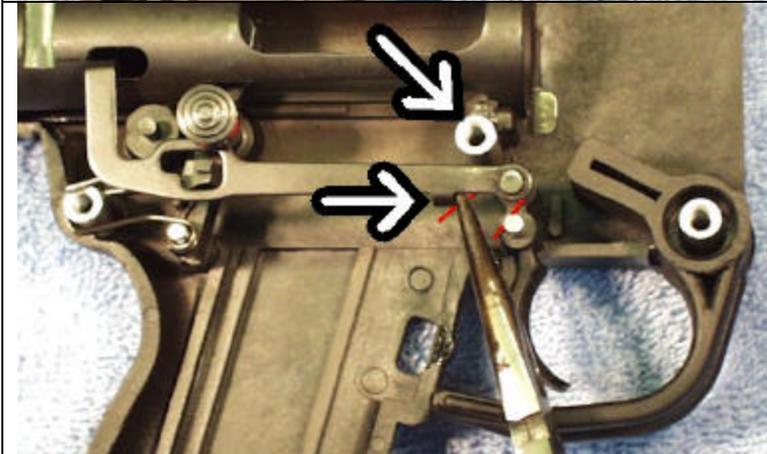
11. Remove the barrel assembly from the left receiver half and set aside.



**Before proceeding, carefully examine the interior parts to see their orientation and how they fit together.**



12. Remove the magazine catch

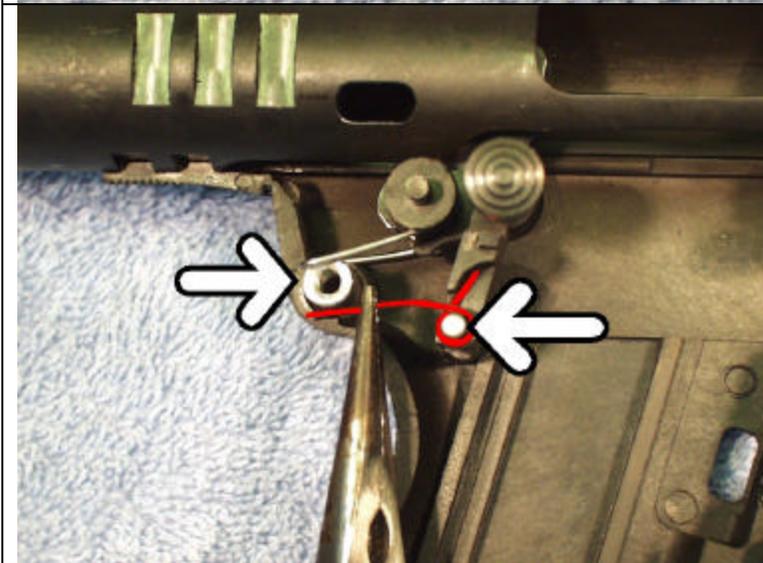


13. Release the trigger return/disconnector spring. With a small pair of needle-nose pliers, carefully remove the leg of the spring that sets against the trigger bar. Bring it behind the trigger bar and over the top of the adjacent receiver nut.

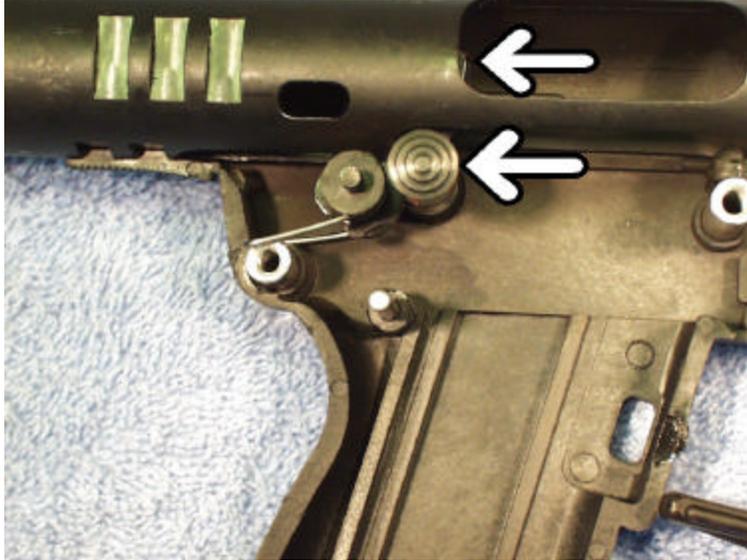
**Note: The spring in this photo has been colored red to enhance visibility. The actual spring is black/silver.**



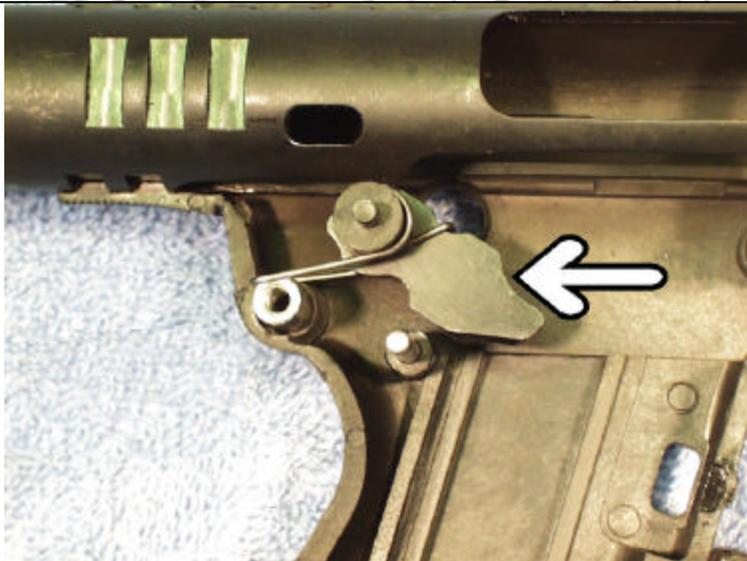
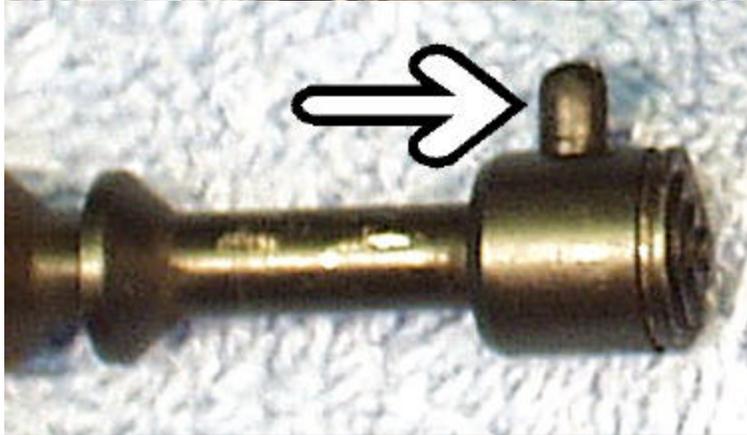
14. Remove the trigger/trigger bar as one unit.



15. Release the sear spring and remove it. With a small pair of needle-nose pliers, carefully remove the leg of the spring that sets against the receiver nut. Bring it up and over the receiver nut, then remove it from the sear axis pin. **Note: The spring in this photo has been colored red to enhance visibility. The actual spring is black/silver.**



16. Hold the hammer back and remove the safety. There is a small plunger and spring in the left side of the safety button, do not lose them.



17. Allow the hammer to rotate until there is no tension on the hammer spring.



18. Remove the bolt tube.



19. Remove the hammer, hammer bushing, and hammer spring.



20. Remove the hammer bushing.  
Remember the position of the hammer spring for reassembly.

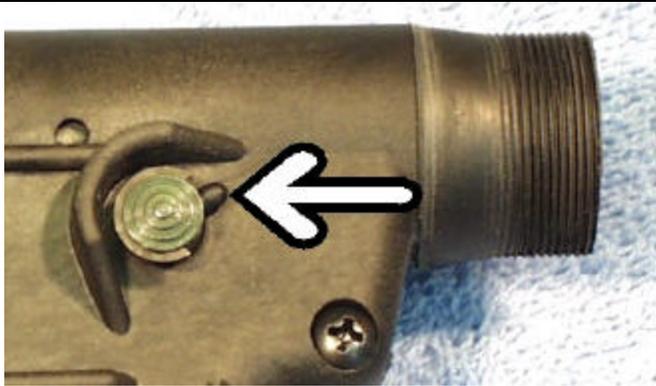
### Reassembly



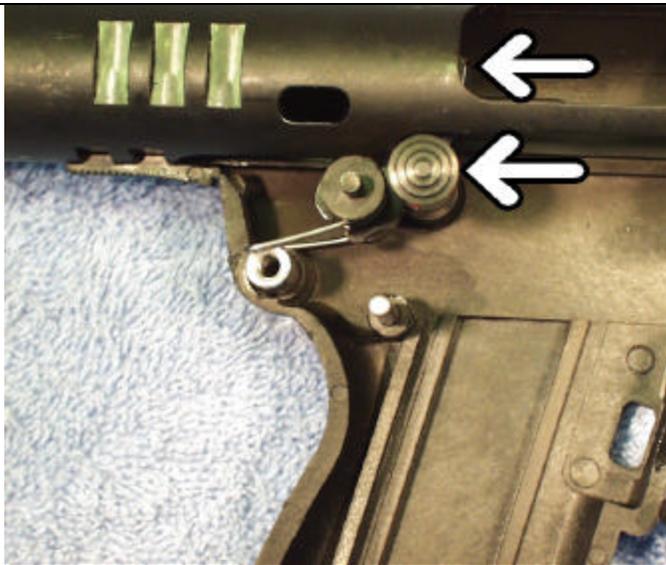
1. Insert the hammer into the hammer spring.
2. Insert the hammer bushing into the hammer.
3. Insert the hammer, hammer spring, and hammer bushing assembly into the left receiver half. The legs of the hammer spring should rest against the top of the adjacent receiver nut.



4. Press the bolt tube into the left receiver half.



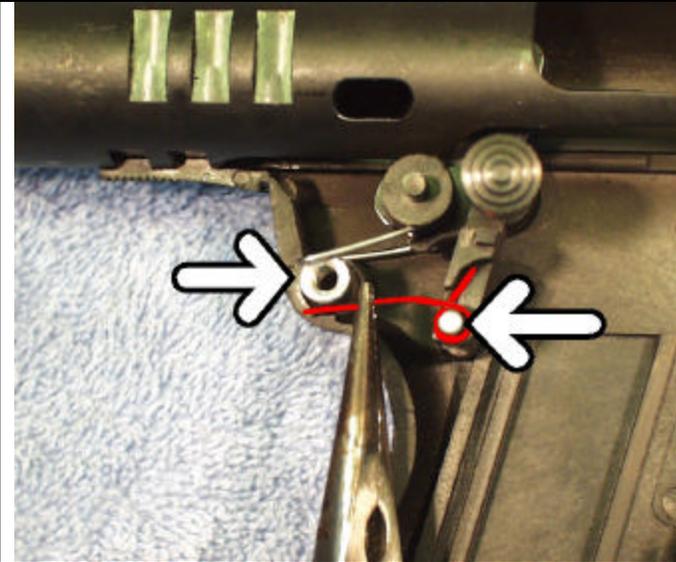
5. Insert the safety.
- a. Attach the 'C' clip to the left side of the safety.
  - b. Insert the safety spring and safety pin into the left side of the safety.
  - c. Hold the hammer back and insert the safety from the outside of the left receiver half. Insert the red side first until the safety pin rests against the side of the receiver.  
**Note:** The safety pin should be oriented to the 2 o'clock position as you view the outside of the left receiver half.



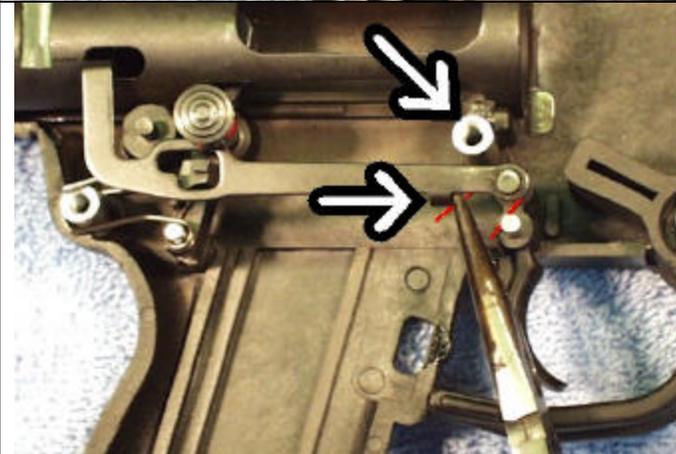
- d. Release the hammer and allow it to rest against the safety.



- e. Use a small, flat blade screwdriver to depress the safety pin, then press the safety all the way into the receiver until stopped by the 'C' clip.



6. Install the sear onto the sear axis pin.
7. Install the sear spring.
  - a. Set the spring on the sear axis pin. Be sure the small leg fits into the sear.
  - b. With a small pair of needle-nose pliers engage the long leg of the spring to the bottom of the adjacent receiver nut.



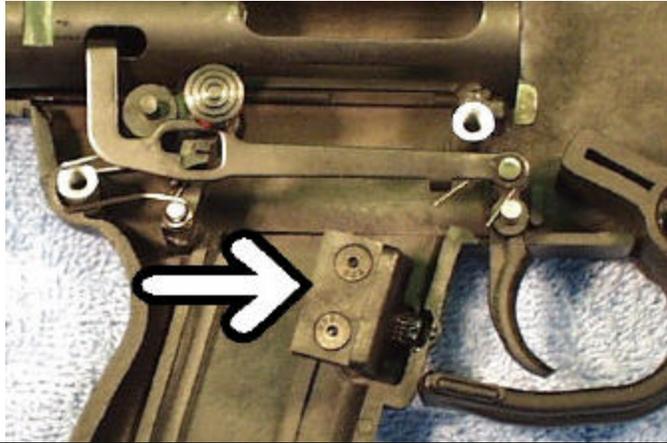
8. Install the trigger bar and trigger as one unit. Be sure the small leg of the trigger spring sits behind the trigger axis pin.
9. Engage the long leg of the trigger spring to the bottom of the small tab on the trigger bar.



10. Insert the barrel assembly into the left receiver half.



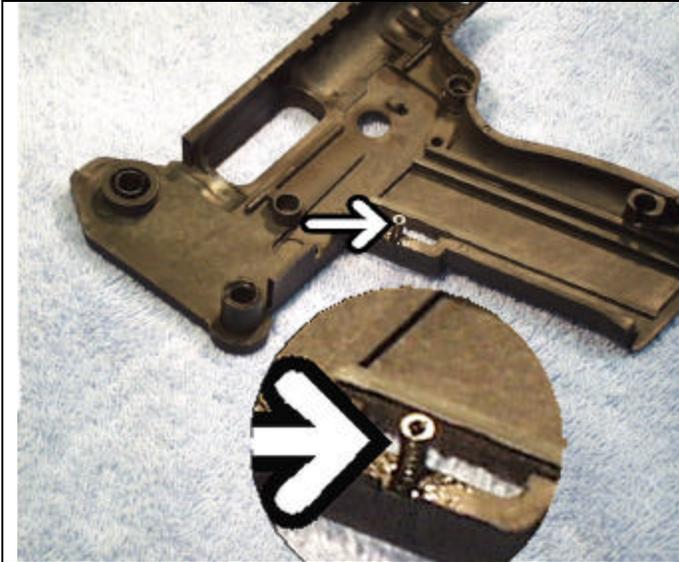
11. Insert a toothpick or small screwdriver between the hammer spring and the top of the receiver nut. This will keep the spring from interfering with the right receiver half.



12. Insert the magazine release.



13. Insert a magazine into the magazine well so that it catches the magazine catch.



14. Insert the magazine release spring into the right receiver half.



15. Press the right receiver half to the left receiver half. Use a toothpick or small screwdriver to align the safety in the safety hole. Everything else should line up.

16. When the right receiver half meets the toothpick/screwdriver from step 11 above, remove the toothpick/screwdriver.

17. Attach all screws.

18. Start the stock collar by hand for the first few turns. Then use a strap wrench to tighten it.

19. Insert a wooden dowel into the receiver from the barrel end to cock the hammer.



20. Insert the bolt end, bolt, and recoil spring and latch in place as described in the owner's manual.

21. Test the rifle for proper functioning, including the disconnecter function.