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You will need the tools and parts contained in the Brownells Power Custom 10/22 Upgrade Kit.



WARNING



Never attempt to disassemble or reassemble a firearm unless you are absolutely certain that it is empty and unloaded. Visually inspect the chamber, the magazine and firing mechanism to be absolutely certain that no ammunition remains in the firearm. Disassembly and reassembly should follow the manufacturer's instructions. If such instructions are not immediately available, contact the manufacturer to see if they are available. If they are not available at all, then you should consult other reference sources such as reference books or persons with sufficient knowledge. If such alternative sources are not available and you have a need to disassemble or reassemble the firearm, you should proceed basing your procedures on common sense and experience with similarly constructed firearms.

With regard to the use of these tools, the advice of Brownells Incorporated is general. If there is any question as to a specific application it would be best to seek out specific advice from other sources and not solely rely on the general advice and warnings given.

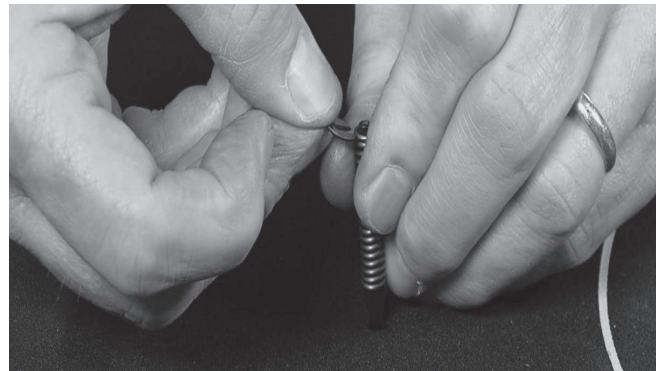
HOW TO USE

- 1) Make sure the rifle is completely unloaded with the magazine removed. It's a good idea to wear safety glasses when doing any work on firearms.
- 2) With a screwdriver, loosen the stock screws. Ensure that the safety is centered in the middle of the trigger-guard housing and remove the stock.
- 3) Lay the action on the bench block. With the 3/32 punch and the nylon/brass hammer, tap out the two trigger-guard-assembly crosspins and remove the trigger-guard assembly. Set the upper receiver with the barrel aside.



- 4) Once the trigger pull and the function checks are complete, use red Lok-Tite to set the adjustment screw.
- 5) Make sure the safety is in the Fire position. Now push or tap out the hammer pin and remove the hammer, along with two hammer bushings and the bolt-lock spring.

- 6) Remove the old hammer and hammer spring and replace them with the new Power Custom hammer, hammer spring, and hammer shims.



- 7) Remove the trigger pivot pin. This allows the trigger assembly to come out of the housing.
- 8) Remove the trigger assembly. Watch for the trigger plunger behind the trigger, because it could shoot out or fall out.



9) Identify the trigger plunger and plunger spring. Remove them by simply pulling them out, and replace them with the Power Custom parts. Insert them back into the housing.

10) On the trigger assembly, remove the pivot pins and take and save the old sear and springs. Install the Power Custom sear, springs, and shims. Reassemble the trigger assembly. On the newer 10/22 triggers that have a polymer trigger housing, the shims are not used.



11) Reinstall the pivot pin by lining up the sear hole, trigger pivot hole, and trigger-guard assembly using a punch as a slave pin to help align the parts. Then install the temporary slave pin to keep everything together. Then use the actual pivot pin to push the slave pin out of the way. The pin will then lock into position.



12) Reinstall the trigger assembly into the housing.

13) Install the replacement hammer spring onto the hammer spring strut. Place the strut against the bench and pull the hammer spring down to release tension against the slotted keeper cap.

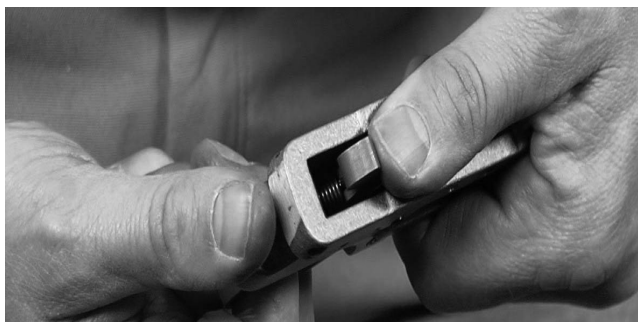
14) Replace the hammer spring and pull down the spring to install the keeper back onto the strut.

15) Reinstall the hammer assembly and hammer spring back into the trigger housing.

ADJUSTMENT

Next, adjust the sear-engagement screw with the supplied wrench.

1) Remove the sear, adjust it, reinstall it and test how much pre-travel has been taken out of the trigger. NOTE: While squeezing the trigger, make sure to keep a thumb over the hammer to prevent damage to it.



2) Function check by cocking the hammer back and placing the safety on Safe. With a thumb protecting the hammer, squeeze the trigger, and the hammer should not move.

3) With the safety off and a thumb protecting the hammer, squeeze the trigger, and the hammer should move.

REINSTALLATION AND SAFETY CHECKS

1) Install the trigger assembly back into the upper receiver and drive the crosspins back into the receiver.

2) Ensure the safety is halfway between the Safe and Fire positions and install the barreled action into the stock. Tighten the stock screw and replace the barrel band, if the rifle has a band.

3) Check the engagement of the sear by tapping the butt of the unloaded rifle against the bench. With the safety off, the firing pin shouldn't move until the trigger is squeezed. With the safety on, the firing pin shouldn't move when the stock is struck. NOTE: Dry-firing the 10/22 will not damage it or peen over the firing pin.

4) Confirm that the firing pin is held in place again by tapping the stock against the bench. Now switch the safety back to Fire, and the firing pin should be still held in place by the sear and not move.