

# RUGER® LCP® II LITE RACK™ PISTOL

## .22 LR THREADED BARREL REPLACEMENT INSTRUCTIONS

**CAUTION:** Some suppressor and ammunition combinations will cause the Ruger® LCP® II pistol chambered in .22 LR to exhibit powder spitting from the ejector port when firing. It is important that you **ALWAYS** wear eye protection when shooting.

The Ruger® LCP® II pistol chambered in .22 LR is designed to function best with ammunition marked as “high velocity.” Such ammunition is typically loaded with a 40gr projectile and has a stated muzzle velocity of approximately 1,250 fps. Some subsonic ammunition (less than 1,070 fps) and hyper-velocity ammunition (greater than 1,400 fps) may function in the pistol. Almost all commercially available .22 LR ammunition, regardless of claimed velocity, will be subsonic when fired from the short barrel of this pistol.

**NOTE:** Due to this pistol’s tilting barrel design, the weight of a suppressor changes the dynamics of the pistol. The BLUE colored spring that is in the factory configuration pistol is best for unsuppressed shooting. An alternative recoil spring, painted RED, has been supplied with this threaded barrel kit. The RED spring increases the force driving the slide back into battery and may be necessary for some suppressors (see “Recoil Spring Selection,” p. 4). For suppressed shooting, high-velocity ammunition will yield the best results. Ultimately, the suppressor and ammunition combination employed with the threaded Ruger® LCP® II pistol chambered in .22 LR will determine the use of one spring or the other.

### DISASSEMBLE PISTOL

An on-line video demonstrating the disassembly and reassembly of the Ruger® LCP® II pistol can be viewed by visiting [Ruger.com/TechTips](http://Ruger.com/TechTips).

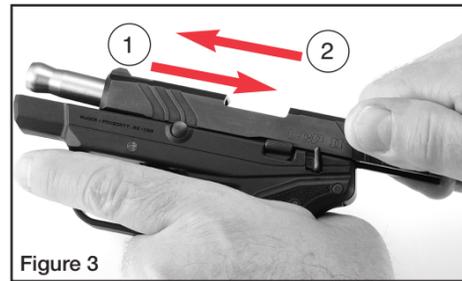
Keep the pistol pointed in a safe direction and place the safety lever in the “safe” position (red dot is completely covered by the frame and the “S” is visible). **NOTE:** The hammer must be in the cocked position to engage the safety.

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|----------------------------------|---|
| <b>⚠ WARNING - DISASSEMBLY,</b>  |   |
|                                  | <p>Always unload a firearm before cleaning, lubrication, disassembly or assembly.</p> |
| <b>UNLOAD BEFORE DISASSEMBLY</b> |   |

1. Press the magazine latch and withdraw the magazine from the butt of the pistol. (See Figure 1.)
2. Pull the slide to the rear and lock it in the open position by pushing upward on the slide stop. (See Figure 2.) **Visually check to be sure the chamber is empty!**  
Place the safety in the “safe” position if not already done.



3. Retract the slide slightly and release it (see Figure 3). This will disengage the slide stop and allow the slide to move fully forward.



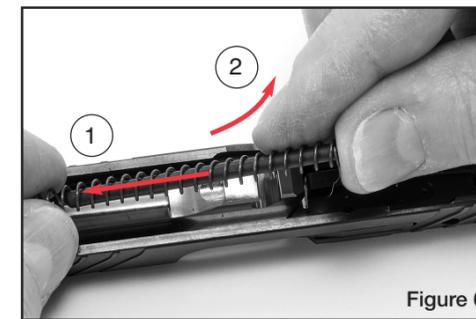
4. Pry loose the takedown pin using a screwdriver or other flat, blunt tool (see Figure 4a). Remove the takedown pin completely (see Figure 4b).



5. Move the slide assembly forward and separate it from the grip frame (see Figure 5).



6. Compress the recoil spring assembly slightly to disengage it from its seat against the barrel lug, and remove it completely (see Figure 6).



7. Remove the barrel. It will be necessary to move the barrel forward slightly and then down and back to extract it from the slide (see Figure 7).



### RECOIL SPRING SELECTION

The BLUE spring is the standard factory configuration and shipped with the pistol. The RED spring is included with the threaded barrel kit.

**Small Rimfire Suppressors (weighing less than 3.5 oz.) – Use the BLUE spring.**

Change to the RED spring if you experience any of the following conditions while shooting suppressed:

- Failures to feed completely from the magazine
- Slide is slow to close
- Slide is unable to fully close or go into battery

**Standard Rimfire Suppressors (weighing 10 oz. or more) – Use the RED spring.**

Change to the BLUE spring if you experience any of the following conditions while shooting suppressed:

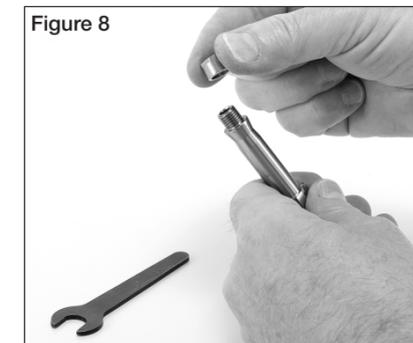
- Failures to eject
- Fired case ejects, but the chamber is empty

If failures persist after trying both springs, the suppressor and ammunition combination you are using may not yield a functional pistol. Attempt to use a different ammunition to improve function.

**NOTE:** You can use a suppressor that weighs more than 10 oz. on the RUGER® LCP® II pistol chambered in .22 LR, but the pistol will not function semiautomatically.

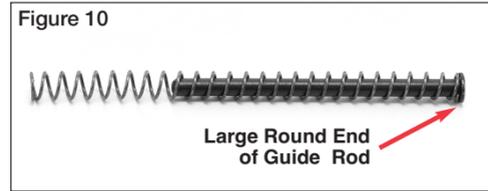
### REASSEMBLE PISTOL

1. Before inserting the threaded barrel into the slide, you must first remove the barrel cap using the included thread adapter/cap wrench (see Figure 8).
2. With the slide held upside down, insert the threaded barrel (see Figure 9) and push it forward into its seated position.



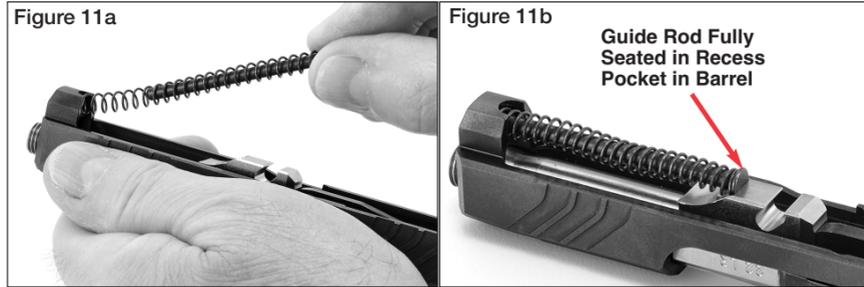
– Please See Reverse Side For Additional Instructions –

3. Install the appropriate recoil spring onto the guide rod as shown in Figure 10.



4. Insert the guide rod/recoil spring assembly into position with the large round end of the guide rod resting against the seat of the barrel lug and fully seated in the recess pocket in the barrel. (See Figures 11a & 11b.)

**NOTE:** Be sure to maintain control of the guide rod/recoil spring assembly as you compress the spring in the recess pocket while guiding the assembly into position.



5. Slide the side assembly onto the frame rails until it is in its "closed" position, as if the pistol were fully assembled. (See Figure 12.)

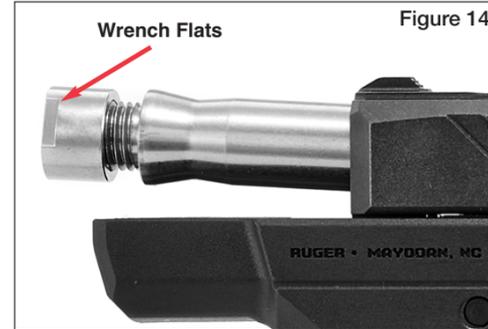


6. Insert the takedown pin into the frame at a slightly upward angle (see Figure 13) until its tip pushes down the retaining spring. Then, rotate the pin until it is aligned with its hole and insert it fully into the pistol frame.



**NOTE:** Skip to "Thread Adapter Installation" section on page 7 if utilizing the thread adapter immediately.

7. Install the barrel cap by carefully screwing it **counterclockwise** onto the threaded end of the barrel by hand, with the wrench flats facing out. (See Figure 14.)



8. Next, **with the pistol pointed away from you and in a safe direction**, use the supplied thread adapter/cap wrench to tighten the barrel cap firmly in place by turning it **counterclockwise** (see Figure 15).



**NOTE:** Do not use a cheater bar on the supplied thread adapter/cap wrench as damage can occur to either the thread adapter, cap or barrel.

**NOTE:** The suppressor thread adapter must be removed before the barrel can be removed from the slide.

## THREAD ADAPTER INSTALLATION

The threaded barrel is protected by a removable barrel cap to protect the barrel threads. Either the barrel cap or the thread adapter must be installed on the barrel at all times during firing. **Do not attempt to fire the pistol without the barrel cap or thread adapter installed.**

To remove the barrel cap and install the thread adapter, **keep your finger off the trigger, point the pistol in a safe direction, and remove the magazine.**

1. Lock the slide back and **verify that the chamber is empty. Place the safety in the "safe" position.**
2. Using the supplied thread adapter/cap wrench, unscrew the barrel cap by turning it **clockwise** (see Figure 16). Store the barrel cap in a safe place for reinstallation when the thread adapter is removed.



3. Install the thread adapter by carefully screwing it **counterclockwise** onto the threaded portion of the barrel by hand.
4. Next, **with the pistol pointed away from you and in a safe direction**, use the supplied thread adapter/cap wrench to tighten the thread adapter firmly in place by turning it **counterclockwise**. (See Figure 17.)



**NOTE:** Do not use a cheater bar on the supplied thread adapter/cap wrench as damage can occur to either the thread adapter, cap or barrel.

**NOTE:** The suppressor thread adapter must be removed before the barrel can be removed from the slide.

**If the pistol does not function properly after installing the new barrel, repeat the steps above or call Ruger Customer Service at 336-949-5200 for further assistance.**