



## SHORT STROKE CONVERSION KIT FOR 4-MASS 9MM SILENT CAPTURED SPRINGS

**CAUTION: REMOVE THE MAGAZINE AND VISUALLY CHECK THE CHAMBER TO ENSURE THAT YOUR FIREARM IS UNLOADED.**

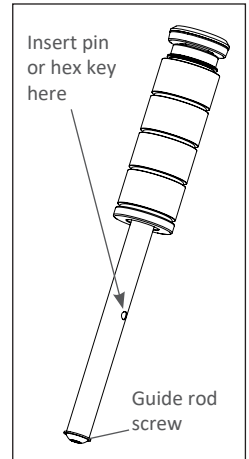
These instructions will walk you through the disassembly and reconfiguration of the standard 4-mass 9mm Silent Captured Spring (JPSCS2-9MM). Reconfiguration of this unit will convert it into a short-stroke 9mm SCS unit.

The final configuration will have three tungsten and two steel masses. This arrangement will function reliably with nearly any 9mm PCC configuration or ammo. To tweak the SCS's performance in your setup, these masses can be exchanged to have more steel or tungsten at your discretion.

Before beginning, ensure that the Silent Captured Spring you're converting is a compatible GEN 2 9mm SCS model. Compatible models will have a bronze-colored guide rod. If your guide rod is silver, it is not compatible.

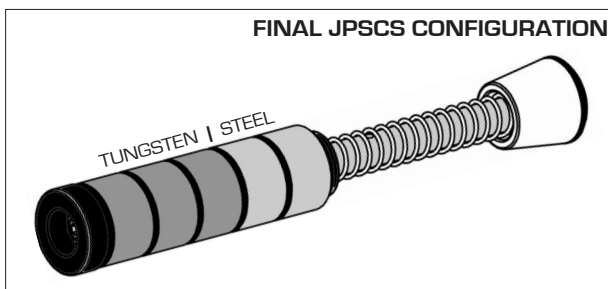
### INSTALLATION INSTRUCTIONS

1. Compress the buffer spring by hand and grip the guide rod in a soft padded vise as shown to hold it compressed. Take care to grip the unit securely with the spring under tension in this way or it may take flight. You can also retain the mass slider by inserting an appropriately sized pin or tool into the hole located near the center of the guide rod.
2. Remove the guide rod screw. Depending on the production run of your SCS unit, you may need to break down the thread locker if you cannot remove the screw easily. If the thread locker is too strong, apply heat with a propane torch to the guide rod while using a wrench to apply turning pressure to the guide rod screw.
3. Remove the hex key from the guide rod while retaining the compressed mass with your hand. The spring pressure is approximately 15 lbs., so point these components away from your face and others as a precaution in case they fly apart.
4. Slowly relax the spring and remove both the spring and buffer mass from the guide rod.



5. Remove the snap ring from the SCS mass assembly by using the tip of a small screwdriver to pry up the end of the ring and slide it off the back side of slider. Once the tip is off, the ring should remove easily by working it in an unwinding fashion.
6. Remove the masses from the four-mass slider and assemble them, along with the new one in this kit, onto the included 5-mass slider. Configure them with the three tungsten masses towards the leading end of the slider with one O-ring between each mass as shown below. An O-ring should be positioned on every side of the weights except in the space between the weight and the snap ring. An extra set of O-rings is included in this kit if yours are showing degradation.
7. Finish reassembling the mass slider by replacing the snap ring.
8. Reassemble and re-secure the SCS unit using a hex key as you did in step 1. Clean the guide rod threads and screw with solvent and dry completely. Install the guide rod screw with thread locker and tighten the screw to 40-60 in-lbs. Some newer SCSs come with screws pre-loaded with thread locker. The pre-loaded thread locker is only reusable two or three times. If you need to apply thread locker, we recommend a semi-permanent product such as Loctite® 243.

During regular rifle maintenance, check the tightness of the hex head screws at the ends of the JPSCS. The rear screw should be installed with a permanent thread locker such as Loctite® 263. The front flange screw is better secured with a semi-permanent thread locker like Loctite® 243.



**THANKS FOR YOUR BUSINESS!**