



GEN 2 9MM SILENT CAPTURED SPRING

- Full Stroke Version [JPSCS2-9-5H2]
- Short Stroke Version [JPSCS2-9SS-5, -5H2, -5H5]

US Patent Number 8,800,424

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

The **JP 9mm Silent Captured Spring** is a drop-in module replacement for the traditional buffer plunger and buffer spring components for 9mm AR platforms. These instructions will detail how to replace your existing buffer components with the JPSCS.

While the JPSCS has been tested in numerous rifles without malfunction, this is no guarantee of function in all possible rifle configurations. **If you're unsure about compatibility, see the SCS Selection Guide on our website for known issues before live fire.** If the unit does not function in your rifle, please contact JP via phone or email to arrange a return of the JPSCS to the original point of sale.

WARNING

The one certain requirement for function is a 9mm bolt with an open central channel through which the guide rod of the SCS unit can pass while cycling. **If the non-bolt face end of your bolt assembly is not hollow, the SCS is not compatible.** Some 9mm bolts have a separate mass that can be removed, but others are a solid piece that cannot be modified to allow function. Certain other 9mm bolt models such as the Bushmaster also have removable masses, but the removal of the mass leaves the overall length of the bolt shorter and hence non-functional.

If you are using a removable-mass bolt and you elect to switch back to original buffer components, you must reinstall the mass prior to firing. Not doing so will result in bulged or even burst cases.

INSTALLATION INSTRUCTIONS

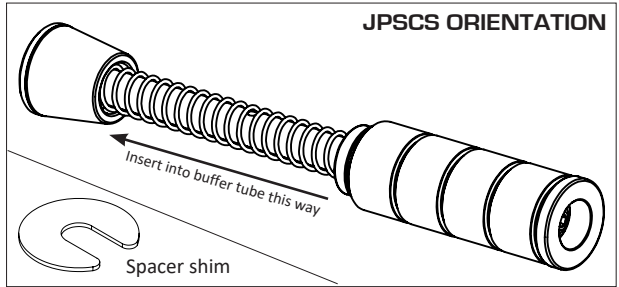
1. Remove the existing buffer and spring by slightly compressing the buffer and then depressing the buffer retainer plunger with a small punch. Release the buffer slowly, removing it and the buffer spring from the extension tube.
2. If you are using a rifle-length stock and extension tube, insert the white spacer into the extension tube. This spacer is not needed for carbine stocks/tubes.

REMOVAL OF BUFFER RETAINER PIN AND SPRING

While the JPSCS will function with or without them, we recommend removing the buffer retainer pin and spring at this point. With these components removed, installation and removal of the JPSCS is much easier. You can replace these with our JPSCS-specific buffer retainer pin and spring if you wish.

To remove the retainer pin and spring, you'll first need to remove the stock and buffer tube from the receiver to gain access, after which you can reinstall the extension tube and stock taking care not to lose or damage the rear takedown pin detent and spring.

3. Install the JP Silent Captured Spring into the buffer tube leading with the rubber bumper end. You may have to depress the hammer to the cocked position or a little further to allow enough clearance around the trigger components. Likewise,



- on certain two-stage triggers, you will have to hold the hammer in the half-cocked position to achieve sufficient clearance.
4. Verify function of the SCS with your bolt assembly by standing the SCS on its buffer end and orienting the bolt assembly above it as they would be in the rifle. Stroke the bolt down to compress the SCS while verifying that the guide rod does not interfere with any part of the bolt.
5. Reassemble the upper and lower assemblies with the front pivot pin and slowly lower the upper into position. Watch carefully as the receivers are closed to verify that the SCS buffer head contacts the bolt carrier. If you are not certain if there is a gap, finish reassembling the rifle and then shake it gently listening for the sound of the SCS sliding back and forth in the buffer tube. The unit should not be moving freely.

FITMENT

The precise length of the SCS was chosen to accommodate most rifles, but if you detect a gap between the bolt carrier and SCS, this is due to slight variations in the manufacturing tolerances of the buffer tube, bolt and receiver. The bolt and SCS should be tensioned slightly against each other in final assembly and should not move freely in the rifle.

The SCS should protrude about .030", which is the width of the included spacer shim. If it does not protrude this far, insert the spacer shim behind the SCS in the buffer tube. It is necessary to use more than one, and you should not use extra shimming to "preload" the SCS. We offer alternate rate springs for this purpose.

If the SCS protrudes past .060" inches or so (the approximate width of a quarter), thread the buffer tube out one turn and recheck protrusion and add the spacer shim if necessary.

MAINTENANCE

To achieve the utmost from the JPSCS, keep the spring, guide rod and exterior of the unit lightly oiled. If the unit becomes fouled, clean with hot, soapy water, blow dry with compressed air and apply light oil (rather than grease) to the spring and guide rod. Do not clean the SCS with solvents or solvent-based cleaners. These will dry out and prematurely degrade the rubber o-rings.

During regular rifle maintenance, check the tightness of the hex head screws at the ends of the JPSCS. If they are loose, remove them and clean the threads. 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.