



JP ENTERPRISES

XS SILENT CAPTURED SPRING

US Patent Number 8,800,424

Product:  
JPSCS2-XS,  
-XS-H, -9MM  
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**CAUTION: REMOVE THE MAGAZINE AND VISUALLY CHECK THE CHAMBER TO ENSURE THAT YOUR FIREARM IS UNLOADED.**

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The **JP XS Silent Captured Spring** is a drop-in module replacement for the buffer and spring components of sub-carbine collapsible stocks such as the Maxim Defense CQB stock. Use of the SCS in these stocks enables their use with standard bolt carriers and operating system components.

In addition to the 9mm-specific version, the **XS Silent Captured Spring** is available with one of two different mass configurations: JPSCS2-XS (one steel/one tungsten) and JPSCS2-XS-H (two tungsten). If you find that you are experiencing bolt bounce issues with the standard version, we recommend changing out the steel mass for a second tungsten, as in the heavy version. You can purchase individual tungsten masses to achieve any level of buffering mass you require.

## INSTALLATION INSTRUCTIONS

1. Remove the existing buffer and spring by slightly compressing the buffer and then the buffer retainer plunger with a small punch. Release the buffer slowly, removing it and the buffer spring from the extension tube.
2. Install the JP Silent Captured Spring into the buffer tube oriented as shown on reverse. 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.
3. 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 back and forth gently listening for the sound of the SCS sliding back and forth in the buffer tube. The unit should not be moving freely.

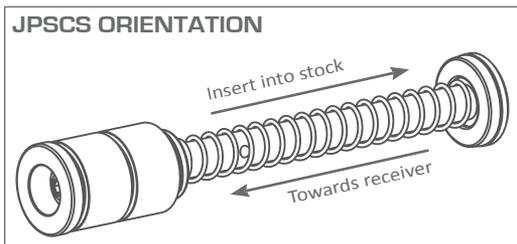
The precise length of the SCS was chosen to accommodate the Maxim Defense CQB buffer tube, but if you detect a gap between the bolt carrier and SCS, this is due to slight variations in the manufacturing tolerances of the buffer tube, bolt carrier and receivers. To shim this gap, the best solution we've found is to simply place a quarter in the buffer tube before installing the SCS. It will not be 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.

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Rev. 08.16

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## MAINTENANCE

To achieve the utmost from the JPSCS, we recommend lightly oiling the spring and guide rod of the unit periodically. 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.

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.

## COMPATIBILITY

While the JPSCS has been tested in numerous rifles without malfunction, this is no guarantee of function in all rifles. As with any gas gun component, there are simply too many possible rifle configurations, barrel lengths and calibers available within both the AR-15 and AR-10 platforms to test and verify universal function of the JPSCS system.

Like the full-size version, the XS SCS will not function with older Primary Weapon Systems (PWS) bolt carriers. The back bore of the PWS bolt carriers is not compatible with the JPSCS.

**THANKS FOR YOUR BUSINESS!**