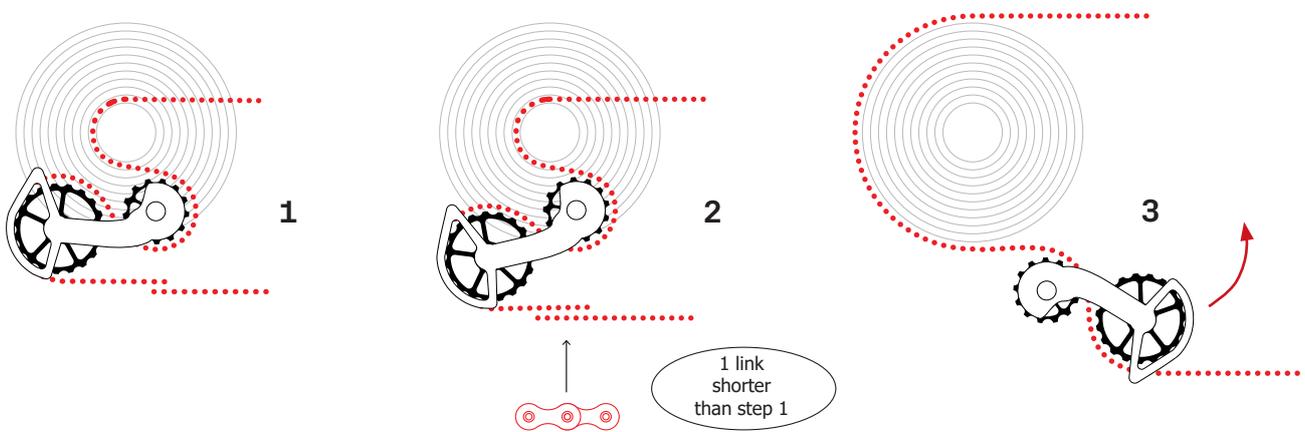

OSPW Systems Assembly Guide

Chain Length and Tension

This document acts as a guide for achieving the correct chain length after mounting a CeramicSpeed OSPW System. Please follow this guide in order to achieve precise shifting and performance of the OSPW System.



STEP 1: Place the chain on the small chain ring and the smallest cog on the cassette. To find the correct chain length, pull the two chain ends together, just as you would when needing to cut a chain to length. The lower part of the cage should start to move downwards, away from the cassette, as referenced in the second image.

STEP 2: When tension is applied on the chain and the OSPW System appears to be aligned as the diagram above, the chain needs to be cut and connected by the required amount of links in order to achieve sufficient tension in this gear combination (small chain ring/small cog on the cassette).

STEP 3: With the chain now cut to length it is important to test the clearance of the OSPW System when rear derailleur is set in the biggest chain ring and the largest cog on the cassette. Just as the arrow indicates the cage should be able to rotate counter clockwise. It is important that there is some clearance between the upper pulley wheel of the OSPW System and the largest cog on the cassette. If you find the clearance is not enough, adjust the B-tension accordingly.

OSPW X for SRAM Force & Rival 1 Type 3

For **OSPW X for SRAM Force & Rival 1 Type 3**, if you are using a 44 tooth or larger chain ring you may not be able to overlap the ends of the chain for measurement. You do not need to add any links to a stock chain, a full length chain (114 links for SRAM, 116 links for KMC) is sufficient for use. Recommendation on upper pulley clearance on the largest cog (adjusting of B-limit) = 10-15mm depending on cassette size.

Campagnolo

Some Campagnolo rear derailleurs do not have a B-tension adjustment. In this case simply adjust by chain length; a shorter chain will cause the upper pulley to rotate downwards. On Campagnolo systems (regardless of B-tension tension adjustability) choose either 110 or 112 links by selecting the longest that clears the largest cog.

Spring tension

SRAM eTap and Mechanic: Select the M spring tension hole (medium tension)

Shimano 9000/6800 series: Select the M spring tension hole (medium tension)

Shimano 9100/8000 series: Select the spring tension hole just beside L (second lowest tension)

Campagnolo: Select the M spring tension hole (medium tension)

Never use the L (lowest) tension hole – it's only a reserve for special situations. If rough road conditions or too slow shifting use the highest tension hole (H).

OSPW X for SRAM Force & Rival 1: Select the L tension setting (low tension) to minimize drivetrain friction. Move the spring tension to the standard setting (at bottom) if you experience any issues such as slow shifting response or drop a chain.