

SV650 DDC installation notes

(Gen 1 and Gen 2)

Thank you for purchasing the DDC (Drop in Damper Cartridges) for your SV650!

These notes assume familiarity with damper rod type fork internals and the necessary technical tools and ability.

Cogent Dynamics offers full installation services.

Your new DDC valves are designed as a direct drop in and no damper rod modifications such as drilling or welding are necessary.

For your application, we recommend 10w fork oil with the level set to 130mm.

The DDC must be fit into the fork with the stepped side of the valve (side with the Nyloc nut) down and nested into the damper rod top. We recommend dry fitting the components and double checking all the installation parameters before adding oil. Once oil is in the fork, it will not be possible to check the seating of the cartridges, but if all the measurements remain the same it will be possible to ascertain that the cartridge has not become dislodged during the installation process.

Preload value is spring rate related. Follow the manufacturer's guidelines for installing the springs.

In general, we recommend the correct rate straight wound springs to suit your weight and riding type. Preload is the measure of the spring as it is installed in the fork with the fork fully extended. The preload value we recommend is 2-5mm with the adjuster fully screwed out (set to minimum).

Once installed, we recommend that front rider sag be set to 40mm and a rear sag of 35mm be used.