

## DDC Installation Notes for the XT225

Thank you for purchasing these Drop-in Damper Cartridges (DDCs) for your XT225!

Cogent Dynamics offers full installation services. *For consumer installation, these notes assume familiarity with damper rod type fork internals and the necessary technical tools and skills. No drilling, welding or other modifications are necessary to complete the installation.*

Installation of your new DDCs requires that your forks be in good condition and have the proper type and level of fork oil. Your Cogent DDCs were calibrated to use 5 wt. fork oil. We also recommend that you incorporate the appropriate springs for your application.

We recommend the fork oil with the level (air gap measurement) set for the rider weights listed below with the forks fully collapsed:

140 to 160 lbs. = 150mm

170 to 220 lbs. = 140mm

Over 230 lbs. = 130mm

The spacer provided with in your DDC kit must go into the fork first, onto the top of the damper rod. Then the DDC is inserted with the stepped side (side with the Nyloc nut) down and nested into the spacer. *IMPORTANT: We highly recommend dry fitting the components and measuring the spacer/DDC/spring stack 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 of straight wound springs to suit your weight and riding type. Preload is the measure of the distance between the top of the spacer/DDC/spring/washer/spacer stack and the top of the fork (while fully extended) minus the length of cap when fully installed.

When using Cogent brand springs, we recommend a preload value of 4mm to 10mm.

### Contact Information

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