

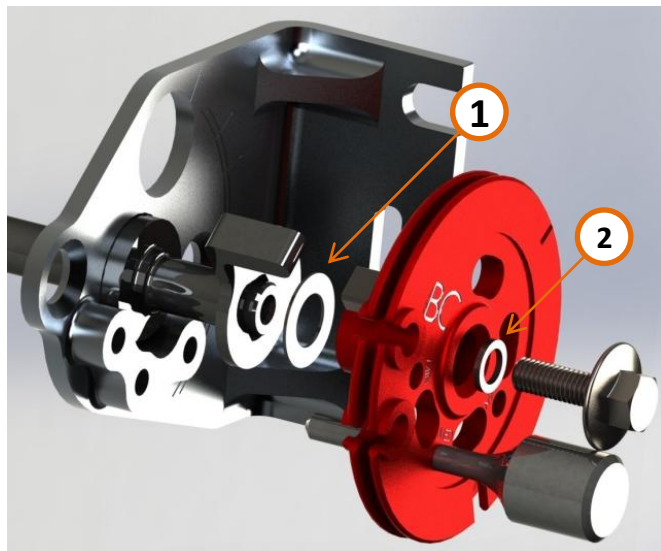
BCVJ22K003 Powervalves Adjustment Pulleys and Stand Kit

BC Engineering has redesigned the powervalves control system in order to improve powervalves opening precision and reducing pulleys free play. The rear pulley spacer has been integrated with the pulley itself: this will prevent the classical oval wear on the pulley's hole. The titanium screw, flanged and countersunk, will avoid any radial free play of the pulley. A faster and easier way to register the powervalves has been developed with this system; using the supplied long pin ("Control pin"), the pulley can be stopped in position: the pulley will not move and will be easier to adjust cables' tension and the precision will be in the order of the 1/100 of mm. Once the **middle step** has been set, it is possible to check the full open and closed positions, always using the control pin, this is possible because MAX and MIN holes are now concentric with the holes on the pulley. The classic visual alignment sign is still present in both pulley and stand, by the way.



Mounting Instructions

- 1) Install the cable stands
- 2) Insert the L spring retainer (if provided)*
- 3) Insert 0.5mm washer 1
- 4) Insert spring and pulley on the control shaft
- 5) Insert 1mm washer 2
- 6) Tighten at 4-6 Nm the Ti screw



Since Aprilia and Suzuki shafts sometimes are different, the 0.5mm washer might not be necessary. If, once everything is fit, the axial free play of the pulley is in the order of few tenth of mm then everything is ok. If, once tightened, the pulley result hard to rotate and the spring doesn't put it back in neutral position, then the 0.5mm washer must be removed.

* Newer Pulley version do not need a different spring retainer clip, the standard one can be used.