



KYB PSF (Pneumatic Spring Fork)

We have been asked several questions about KYB's newest fork. The fork comes standard on the 2013 Kawasaki KXF450 and Honda CRF450R. There are some differences in the PSF between KXF and CRF, but the basic function is the same.

Standard target weight is between 170 and 190 pounds. In most cases, springs and air pressure will need to be adjusted for any rider outside of this range.

KYB PSF Basics:

- Pick the air gauge you are going to use and use only that gauges. Preferably a pump/ gauge combo. No two gauges are going to read the same.
- Set air pressure daily before you ride.
- Air pressure will vary slightly as fork heats and cools. Your base psi reading should be set with the fork cool. If bike has been ridden allow 30 minutes, for the forks to cool, before adjusting pressure.
- +/- 2 psi equates to approximately +/- 1 spring rate.
- Nitrogen has not shown any performance advantage over air in our testing.
- Due to a larger cartridge and less air space, fork oil height adjustments are very sensitive. We recommend on more than a 3-5cc change at a time.

Standard KYB PSF Info:	2013 CRF450R	2013 KXF450
Standard Air Pressure:	33 psi	35 psi
Standard Oil Volume:	230cc(misprint in Honda manual)	235cc
Oil Volume Min/Max:	210-250cc	190-265cc
Air Pressure Range (cold):	31-36 psi	32-41 psi
Balance Spring Rate:	3.2 N/mm	3.2 N/mm