Fuel/ Air Testing: Part One, Equipment Set-Up

We are conducting some fuel/air trials. Our test set up consists of an Innovate MTX-L AFR kit from Fuel Performance (www.fuelperformance.co.uk).

It includes a lamda sensor. The negative earth kit is powered from a 12v battery in a tank bag. We modified a pair of exhaust pipes to accept sensor bosses.

Readings are taken from each cylinder.

The kit's gauge is mounted on a bracket (our part 13.1717) located between the clocks. Chemically complete combustion occurs at a ratio of 14.7 parts air to 1 part petrol. A ratio between 12.5 to 13.5 is more suitable for everyday running.

To be continued