

# Specializing in VW - PD unit and Direct Injection two-stage injectors.



## Injector Nozzle replacement and Calibration

When enquiring about injector nozzle replacement, either standard or high performance or the supply of service exchange units it is important that you deal with a company that has the experience, knowledge and equipment to do the job correctly.

We have state of the art, specific, up to date equipment and experience to conduct all necessary tests and adjustments to get your injectors balanced and to deliver optimum fuel to enhance your vehicle's performance.

We know how you love your VW and how important it is to get it running right especially with any other power enhancing modifications that you have performed. Balancing the injectors is essential to ensure the fuel delivery produces the maximum of power possible yet retaining efficiency and reliability.

I have seen other companies that have very good marketing strategies with great looking technical pictures and information that have no relevance to the injectors in question. In our case, we have many years of experience, the latest test equipment, technical know how and passion for VW's (we have three) and their diesel injection systems.

All injectors go through the process of complete disassembly, ultra sonic cleaning, inspection, nozzle replacement, nozzle opening pressure (NOP) setting and then final calibration and test.

The importance of the ultra sonic cleaning is to remove the build up of gums and varnish that cause poor injector performance and flow imbalance. An interesting article about this problem can be seen at [http://www.uniteddiesel.co.uk/tips\\_docs/Problems%20with%20fuel.pdf](http://www.uniteddiesel.co.uk/tips_docs/Problems%20with%20fuel.pdf)

The pressure adjusting shims are of hardened steel thus ensuring that they do not break down affecting the set opening pressures resulting in poor fuel quantity control, lack of performance and increased emissions.



## Quality and service that you can count on, our commitment to you

We are a small family run business, with 4 generations of diesel injection experience. We use the most up to date equipment and this; together with our passion and commitment ensure that you will receive uncompromising quality. We want it right so we do it right.