



Technical Training *for* Technicians Delivered *by* Technicians

Essential Direct Injection Engine Management Knowledge (Petrol)

Course Overview

If you want to understand how modern Direct Injection petrol engine management systems work this course is the place to start.

This course has been designed to give you the understanding & ability to diagnose and test direct injection engine management components found under the bonnets of today's vehicles.

Having a good understanding & confidence in this field is very important for any technician in today's workshop due to the change over from the older indirect system to the new direct layout.

Course Content

- What the different components are & what they do
- How the system works and the advantages of it
- What may be different within the exhaust system
- Injector operation

There is ample practical work within this course to reinforce the classroom learning, including expert help from experienced technicians.

Prerequisites

It would be favourable to have undertaken the standard petrol engine management course (plus any prerequisites for that course) before attending this one. This would allow the technician to maximise their learning from this event.

Course Outcomes

Upon completion you will be able to:

- Identify direct injection engine management components
- Test direct injection engine management sensors & actuators
- Have a better understanding of direct injection emission control systems
- Understand why the industry is going down this road with fuel injection
- Test direct injection engine management systems using a scan tool
- Know how to read and use wiring diagrams to help pinpoint faults

You will know how to approach a direct injection engine management fault with more confidence and carry out the correct tests, using the correct equipment in the correct order, to provide a fix in the shortest timeframe.