

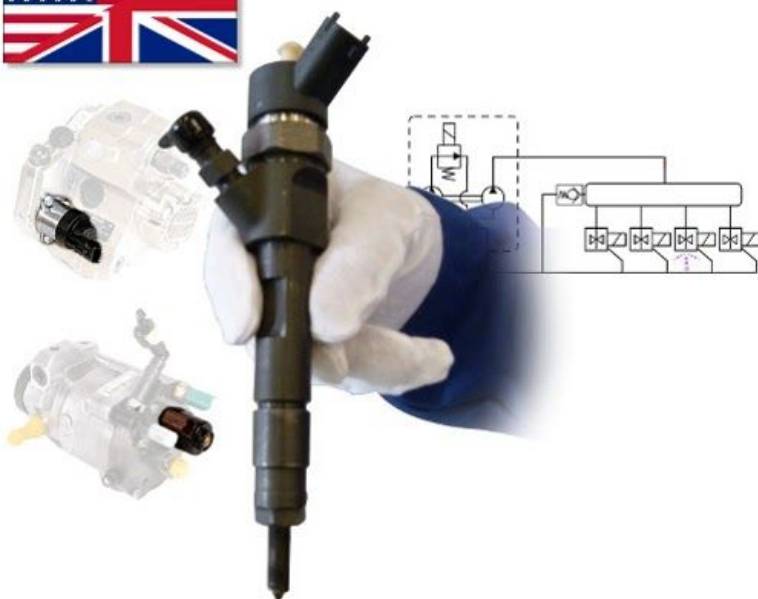
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Product Sheet - Prodiags Automotive Online Training Module

Common Rail Fuel System

This online training module in common rail technology takes you through the systems function and construction. It presents to you the common rail direct injection advantages, and teaches you the basics of common rail troubleshooting and diagnostics. Learn more with this online training module, and become a diesel injection expert.



- Timing of injection and conditions for starting the engine
- Developments in European emission standards and diesel fuel
- Low-pressure system components
- High-pressure system components
- Injection pressure adjustment
- Troubleshooting issues with fuel flow and pressure
- Troubleshooting component faults

Language: English

SKU: 070.0270.010.000.EN

LEARNING OUTCOMES

As a result of taking this training module, you will increase your understanding of different common rail systems, and be better positioned to understand the symptoms of the most common problems and the faults behind them. The examples and guidelines included will help you to troubleshoot and achieve clear results from your investigations.

Certificate

After completing your module of study and approved completion of the exercises, you will be allowed to take the final exam. After completing the final exam, you can print a Prodiags certificate from your attainments register as proof of your expertise.



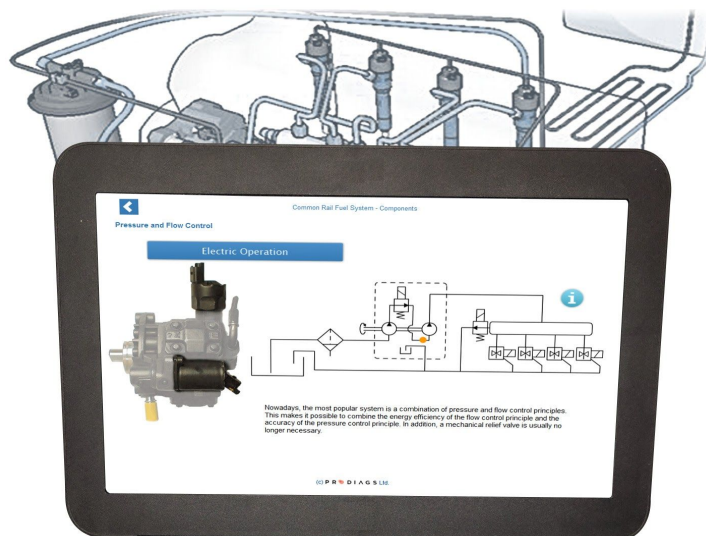
INTRODUCTION

Why this module?

Common Rail is now the most common fuel system in diesel vehicles. Deeper knowledge of how common rail technology works across vehicle makers and system manufacturers is a big advantage when it comes to troubleshooting.

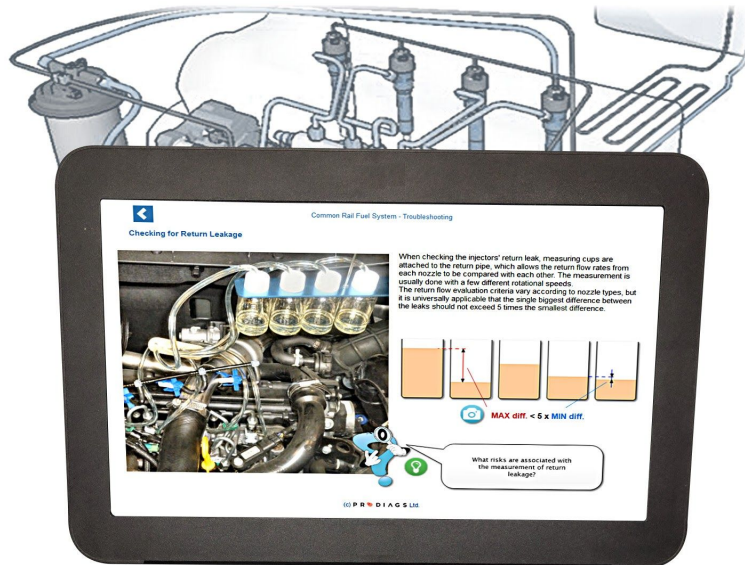
What will you learn?

This Training Module starts by covering the basics of operation and requirements for fuel ignition in the combustion chamber. It then examines the whole fuel system from tank to injector, covering the key components and how they operate. Special focus is given to adjusting the injection pressure. The module also delivers clear explanations for high-pressure and flow control, and how they work in combination.



The final part of the Training Module covers troubleshooting. Problems are often indicated by fault codes or symptoms, but this module will teach you how to build up a full picture by checking mechanical operation and fuel flow first.

Simple tips and methods are provided to help you reach correct conclusions and carry out your work in a logical sequence.



PREREQUISITES

To reach all learning outcomes you need to have a basic knowledge of diesel engine mechanical structure and operation. Troubleshooting experience will also help you to understand how to apply the learning in practice.

System Requirements

Internet connection and PC or laptop with browser.
Recommended screen resolution 1024 x 768 or higher.

Updates

We want to make sure that you always have the latest version of our product. Prodiags reserves the right to make real time updates and changes. This way you'll always have the best version, without extra fees.

Content Equivalence

This modules topics and objectives correspond in scope to a conventional 2 day training event. Once you have made your payment, you get immediate access to the content. You'll save time and money by not needing to travel.