

Product Name :
Common Rail Direct Injection Simulator For Diesel Engine - Electrical

Product Code :
TechnicalLab0467

Description :

Common Rail Direct Injection Simulator For Diesel Engine - Electrical

The simulator pictured above replicates the whole cycle of a common rail direct injection diesel engine on its panel. This simulator allows you to study the HDI (CDI-CR) injection system for diesel engines as well as:

- Analyze the fuel circuit as well as all of the components of the electrical / electronic control circuit.
- Simulate the desired behavior of the components and circuits which the instructor and students can control directly through the panel or a computer.
- Educate your students by using the analogue controls to keep the simulation completely under control while students continue working on the fault without interruption.
- Control the provided software to balance theory with practical experience, troubleshooting, and tests.

SPECIFICATIONS:

Common rail with:

- Electro-injectors

- Fuel pressure limiting valve
- Pressure sensor

Sensors for:

- Accelerator pedal position
- Over-supply pressure
- Air temperature
- Engine temperature
- Engine rpm
- Air mass

- Electronic control board
- Pneumatic actuator for the variable geometry turbine
- Computerized workstation connected to the management system
- Fuel tank with pre-filter
- High pressure electro-pump
- Flow limiter

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