



DIESEL ENGINE TRAINER WITH PD SYSTEM EURO 3

A9

Product number
MVPD01



Fully operational diesel Pompe Deuse (PD) EURO3 engine model in a mobile frame. This training engine is specially designed to demonstrate Pompe Deuse diesel injection system and operational structure.

Learn the structure of the diesel PD engine and its components, power supply system, cooling system, engine control system. It also allows to study components and operation modes of the engine control system, perform various measurements, tests and other diagnostic procedures.



Features

- Fully functional engine EURO3 with Pompe Deuse (PD) diesel injection system, cooling system, power supply system, and exhaust system based on Renault original components.
- Provides protection against hot and rotating parts while allowing clear visibility and easy access to engine components.
- Open contacts with banana plug jumpers for fault simulations and measurements. Supports fault code simulations and diagnostic procedures.
- Integrated OBD II 16-pin connector for comprehensive engine control unit diagnostics, including fault code reading, live data display, actuator activation, and control unit coding.
- Includes an integrated emergency stop button for immediate shutdown in case of an emergency.
- Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.





Value for Students

- Learn the engine's physical components, including the power supply system, cooling system, and exhaust system of Pumpe Deuse (PD) diesel engine.
- Understand engine control system, including its operational modes and diagnostic features. Understand how the control unit manages engine performance and functions.
- Perform various measurements and diagnostic tests. The training model includes open contacts and built-in banana plug jumpers for system fault simulations and diagnostics.
- Simulate and diagnose different faults by disconnecting banana plug jumpers, increase troubleshooting skills and problem-solving abilities.
- OBD II 16-pin diagnostic connector to read and erase fault codes, display live system parameters, activate actuators, and perform throttle adaptation and control unit coding.



Value for Instructors

- Model with OEM diesel engine and a fully operational Pumpe Deuse (PD) diesel injection system. Students get real experience with all parts and functions exact as in real cars.
- Safety is prioritized with removable panels that protect against hot and rotating parts, while allowing easy access to the engine for maintenance and instructional purposes.
- Equipped with an OBD II 16-pin diagnostic connector, the model supports comprehensive ECU diagnostics, including fault code management and live data monitoring.
- The mobile frame design ensures easy movement and integration into various classroom settings, optimizing space usage and enabling flexible teaching arrangements. Allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.
- The training model features a closed steel frame with internal wiring securely contained, promoting a clean and safe learning environment while maintaining the model's durability.
- The training stand is designed for simplicity, requiring only small adjustments to reset to default parameters, making it easy to prepare and start each lesson quickly and efficiently.

Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.

Specifications

- Dimensions: 1550 x 1000 x 1200 mm (61.02 in x 39.37 in x 47.24 in)
- Weight: approx. 350 kg (770 lb)
- Product number: MVPD01