Educational truck engine model with the pump — line — nozzle (PLD) fuel supply system

Self – contained, fully operational truck diesel engine is installed in a mobile frame. This training truck engine is specially designed to demonstrate pump-line-nozzle diesel injection system and operational structure. The educational training truck engine is based on Mercedes ATEGO original (refurbished) components with functional engine control system Bosch EDC.

The training truck engine is a great educational tool that allows students to learn the structure of 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.

Technical specifications and functions

- The educational functional engine model with PLD fuel supply system, instrument cluster, cooling system, power supply system and the exhaust system
- Completed with safety removable panels to protect against hot and rotating parts
- Electrical wiring diagram with built – in banana plug jumpers for measurements and simulation of system fault codes
- Ability to simulate more than 10 faults by disconnecting Banana plug jumpers
- After removing safety panels clearly visible the engine with external components, easy access to the engine and its components for service and maintenance
- Integrated engine emergency stop button

Diagnostic and measurement

Oscilloscope/multimeter

- System's parameters are measured by connecting to the banana connector
- Ability to measure electrical signal parameters of each system component (such as sensor or actuator)

Control unit diagnosis

- Diagnosis through OBD 16 – pin diagnostic connector
- Electronic control unit (ECU) identification
- Reading/erasing fault codes
- Displaying the operating system parameters (live data)
- Activating the actuators (Depends on the control unit)
- Control unit coding/configuration

Other

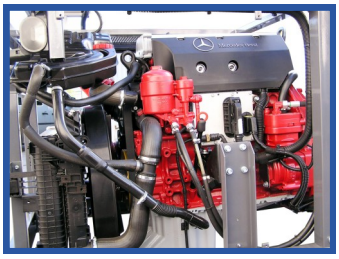
- The stand has a closed structure – internal wiring is not visible; Instrument cluster, measurement and fault simulation panel is integrated in a closed aluminum frame construction;
- Dimensions approx.: (HxLxW) 1900x2600x1100 mm
- Nett weight approx.: 950 Kg
- Gross weight with packing approx.: 1200 Kg
- Made in Lithuania
- CE certificate

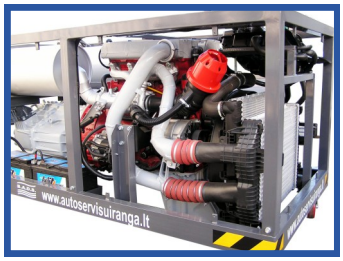
Optional accessories

- Examination console for 10 hidden fault simulations
- Automotive oscilloscope
- OBD diagnostic scan tool
- Diesel smoke meter
- The exhaust extraction system

According to customer's request there is a possibility to manufacture car or truck (petrol or diesel) working engine model!

Order Nr. MVSPLD 1





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