



### Description

- Fully functional system
- 4 cylinders inline
- Diagnosis through OBD 16 pole diagnostic socket
- Open contacts for measuring system components and circuits
- Fault code simulations

Self-contained, the fully operational truck diesel engine is installed in a mobile frame. This training truck engine is specially designed to demonstrate a pump-line-nozzle diesel injection system and operational structure. The educational training truck engine is based on Mercedes ATEGO original (refurbished) components with a functional engine control system Bosch EDC. The training truck engine is a great educational tool that allows students to learn the structure of the 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. Equipment for technical and vocational automotive education and training.

### 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

The 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)

Note: Specifications are subject to change.

### 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

Tesca training equipment is a great tool for professional teachers and technicians that helps explain to students of technical subjects how processes in Educational Truck Diesel engine trainer with VR type pump EDC system MVSVR01 operate and its technology.

Note: Specifications are subject to change.