



TRUCK V8 DIESEL ENGINE TRAINER

A9

Product number
MVSCR03

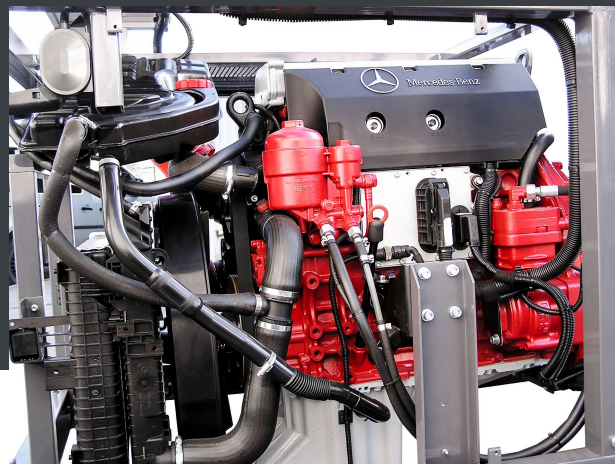


Fully operational truck diesel engine in a mobile frame. This training engine is specially designed to demonstrate V-shape 8-cylinder diesel injection system and operational structure. The educational training engine is based on OEM components with functional engine control system. This fully functional model includes a fuel supply system, instrument cluster, cooling system, power supply, and exhaust system, providing a realistic and hands-on educational experience. Also allows to study components and operation modes of the engine control system, perform various measurements, tests and other diagnostic procedures.



Features

- Fully working truck V-shape 8-cylinder diesel engine, injection system, cooling system, power supply system, and exhaust system based on OEM components.
- Control unit for accurate representation of engine management and diagnostics.
- 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.
- 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.





Value for Students

- Learn V-shape 8-cylinder diesel engine's physical components, including the power supply system, cooling system, and exhaust system. The model features removable safety panels for clear visibility and hands-on access to internal engine parts.
- Learn about the operation of the engine's power supply and cooling systems. The model includes a complete fuel supply system and cooling mechanisms.
- Perform various measurements and diagnostic tests. Measure electrical signal parameters of each system component using an oscilloscope or multimeter, connecting through built-in banana plug connectors.
- Simulate and diagnose over 10 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.
- Learn safe maintenance and service practices with safety removable panels that protect against hot and rotating parts, and an integrated emergency stop button.



Value for Instructors

- OEM truck V-shape 8-cylinder diesel engine components and a fully operational PLD 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 service 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.

Specifications

- Dimensions: 1900 x 2600 x 1100 mm (74.80 in x 102.36 in x 43.31 in)
- Weight: approx. 950 kg (2100 lb)
- Product number: MVSCR03