



PETROL(GASOLINE) ENGINE WITH DIRECT INJECTION SYSTEM FSI EDUCATIONAL TRAINER

A8/L1

Product number
MVFSI01



Fully functional petrol(gasoline) engine EURO4 (available EURO5/EURO6) FSI (fuel-stratified injection) with integrated instrument cluster, cooling, power supply, and exhaust systems. It provides real-time diagnostics via an OBD 16-pin connector, and allows precise measurements and fault simulations through open contacts and banana plug connectors. The model includes safety removable panels for easy access and maintenance, making it ideal for teaching modern automotive technologies and diagnostic procedures.



Features

- Includes detailed systems for fuel injection, exhaust, cooling, and power supply.
- Connect to the system using banana plug connectors for precise measurements and diagnostics.
- Simulate over 30 faults by disconnecting banana plug jumpers to enhance troubleshooting skills.
- OBD 16-pin Diagnostic Connector: Perform advanced diagnostics including ECU identification, fault code management, live data monitoring, and actuator tests.
- Equipped with removable panels to protect against hot and rotating parts, and an emergency stop button for immediate shutdown.
- Includes an electric wiring diagram with built-in banana plug jumpers for easy measurement and fault simulation.
- Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.





Value for instructors

- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.
- Compact, on wheels model for mobility and efficient use of classroom space. Durable construction from steel frame to make it long lasting and safe to use. Closed panels and internal wiring makes it safe to use and ensures accidental damage to sensitive training stand parts.
- Uses OEM automotive parts for an authentic and practical learning experience. Students gets real experience with all parts and functions exact as in real cars.
- Use advanced, hands-on training equipment to demonstrate key automotive systems and diagnostics.

Easier real-time monitoring and fault simulation to improve student understanding and troubleshooting skills.

- The Audi/VW OEM-based system allows students to be trained in diagnostics using almost any multibrand, specialized or OEM scan tools, ensuring a safe and high-quality learning environment.

Stand on castors version, which is mobile and space saving in the classroom, allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.

Value for students

- Fully functional system, gaining practical knowledge of direct petrol(gasoline) injection, exhaust, cooling, and power supply systems.
- Use OBD 16-pin diagnostic connector to perform ECU identification, read and erase fault codes, display live data, conduct actuator tests, throttle adaptation, and control unit coding.
- Connect to banana plug connectors to measure electrical signal parameters of sensors and actuators, including high voltage circuits.
- Develop troubleshooting skills by simulating over 30 faults through disconnecting banana plug jumpers.
- Measure exhaust gases before and after the catalytic converter, and use tools like oscilloscopes and multimeters for in-depth analysis.



Specifications

- Dimensions: approx. 1550 x 1000 x 1200 mm (61.02in x 39.37in x 47.24in)
- Weight: approx. 310 kg (683 lb)
- Power supply: 12V battery
- Available EURO5/EURO6 configuration
- Product number: MVFSI01

