



# PETROL(GASOLINE) ENGINE TRAINER WITH DIRECT INJECTION SYSTEM (TSI) EURO 6

A8

Product number  
MVTSI03

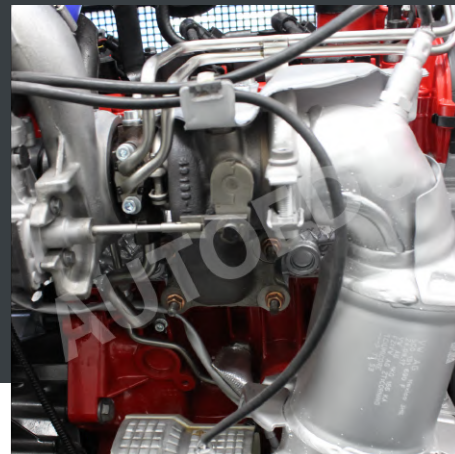


Fully functional 4-cylinder inline 1.2-2.0 turbocharged stratified injection (TSI) EURO 6 engine mounted on a mobile metal frame, offers hands-on learning opportunities by simulating the workings of a conventional internal combustion engine. Diagnostic capabilities through an OBD 16-pole diagnostic socket and fault code simulation. Learn about essential engine parts and systems, explore injection, ignition, exhaust, coolant and other systems.



## Features

- Fully working OEM 4-cylinder 1.2-2.0 Turbocharged Stratified Injection (TSI) EURO 6 petrol(gasoline) engine.
- OBD II diagnostic connector enables monitoring of engine parameters, error reading/deleting, and performance element activation.
- Open electrical contacts allows measurement and analysis of system components and circuits.
- Fault code simulations provides the capability to simulate and diagnose engine systems faults.
- Engine control via a detailed control panel with labeled components and wiring diagram.
- Transparent hose level indicator for accurate fuel management.





## Value for Students

- Fully working OEM 4-cylinder 1.2-2.0 Turbocharged Stratified Injection (TSI) EURO 6 petrol(gasoline) engine for in-depth knowledge of essential internal combustion engine principles and systems.
- Analyze and practice on fuel injection system, ignition system, measure air flow, exhaust system and more.
- Use OBD II diagnostic connector to monitor engine parameters, read and delete errors, and activate performance elements, enhancing diagnostic skills.
- Study and measure system components and circuits using open contacts provided in the wiring diagram.
- Simulate engine failures by removing jumpers in the circuit diagram, observing operational changes, and learning to diagnose and rectify issues.
- Operate the engine through the control panel, using labeled components and legends for a clear and structured learning process.
- Understand fuel injection system, simulate and read faults. Fuel level monitoring with a transparent hose level indicator, and manage fuel levels effectively during training sessions.



## Value for Instructors

- A complete functional engine model ideal for teaching and demonstrating modern engine technology, including direct injection systems, turbocharging, and exhaust management.
- The engine is securely mounted in a metal frame with transport wheels, ensuring stability and safety during training.
- Features removable safety panels and a closed structure to prevent exposure to hot and rotating parts, ensuring a safe learning environment.
- The control panel and wiring diagram provide a detailed, clear layout for teaching complex concepts with ease.
- Allows instructors to demonstrate and simulate a wide range of faults, providing students with valuable troubleshooting practice.
- 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.
- The mobile design and compact dimensions facilitate concurrent use by multiple students, promoting collaborative learning.
- Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.

## Specifications

- Dimensions: 1200 x 1000 x 1500 mm (47.24 in x 39.37 in x 59.06 in)
- Weight: Approx. 300 kg (~660 lb)
- Power Source: 12 V battery
- Fuel Type: Gasoline A95
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