



MOTORCYCLE ENGINE WITH A FUEL INJECTION SYSTEM EDUCATIONAL TRAINER

A8/L1

Product number
MVMC01



The Motorcycle Engine Training stand is an advanced instructional tool for in-depth technical and vocational training. Fully functional 2/4 cylinder motorcycle engine provides learning of ignition, fuel injection, and exhaust systems. Featuring an OBD II diagnostic connector for real-time engine monitoring and fault code management, this stand also includes open contacts for precise component measurement and fault simulation, making it essential for understanding modern motorcycle engine mechanics and diagnostics.



Features

- Based on a 2/4 cylinder engine with operational ignition, injection, and exhaust systems.
- OBD II diagnostic connector for engine parameter monitoring, fault code reading, and diagnostics.
- Open contacts for detailed measurement of system components and circuits.
- Capability to simulate faults by removing jumpers, with fault codes appearing in the engine control unit memory.
- Complete control panel with labeled wiring diagram, measuring contacts, jumpers, and a legend for easy operation.
- Sturdy metal frame with transport wheels for easy mobility and setup in various training environments.
- Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.





Value for instructors

- Demonstrate principles of motorcycle engine operation, structure, and diagnostics using real, functional OEM components.
- Uses OEM automotive parts for an authentic and practical learning experience. Students gets real experience with all parts and functions exact as in real motorcycle.
- 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.
- Benefit from a robust metal frame with transport wheels, ensuring both durability and mobility within the classroom. Allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.
- Ensure a safe learning environment with a closed structure with internal wiring, reducing the risk of accidental damage. Removable panels that protect against hot and rotating parts, while allowing easy access to the engine for maintenance and instructional purposes.
- 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.
- Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.

Value for students

- Engage directly with a fully functional 2/4 cylinder motorcycle engine, gaining practical experience with ignition, injection, and exhaust systems.
- OBD II diagnostic connector to monitor engine parameters, read and delete fault codes, and live data monitoring.
- Access open contacts for measurement and monitoring of various system components and circuits.
- Troubleshoot problems simulating faults through jumper removal, allowing observation of changes in engine operation and in diagnostic processes.
- Operate and adjust the engine via a comprehensive control panel, with all controls and wiring diagrams clearly labeled for ease of use.
- Integrated throttle handle and gear lever for full engine testing experience.



Specifications

- Dimensions: 1160 x 950 x 1520 mm (45.67x37.40x59.84 in)
- Weight: 218 kg (480 lb)
- Power supply: 12 V battery
- Fuel: Gasoline (higher than RON 92 (V))
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