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Product Name :

Engine management system (MPI)

Product Code :

SLE/ATE/28

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Description :

Feature

Purpose of the training stand - practical and laboratory training/testing
Educational demonstration stand is designed for gasoline injector engine management system (MPI) study

Specifition

Mobile stand on four wheels
Gasoline injector engine management system (MPI) with multipoint petrol injection installed in upper part of stand
Stand allow to monitoring the following
- Amount of injected fuel
- Fuel supply system
- Fuel pressure of the fuel pump

Construction of the fuel pump and fuel distribution system allow visually see the distribution of the fuel flow
Adjustable crankshaft rotation speed
Ensured the possibility of ignition system high voltage circuit measurements
Air flow in the intake manifold are adjustable, allowing functional demonstration of air mass flow and air temperature sensors
Engine management system have a built-in voltmeter
Ability altering the air/fuel mixture by the O2 sensor signal simulator
Included the principal electrical circuit diagram with elements of the (MPI) system with built-in electrical measurement connectors. Stand allows to simulate 15 system errors by disconnecting plugs from connectors
The ignition system and spark plugs installed in a way that allows visual monitoring of their activities
Possibility of measuring system parameters in electrical circuits, connecting to measurement contacts
Ability to measure any system component electric parameters by connecting to the electrical circuit
The stand has a closed structure – internal wiring is not visible
Measure the waveforms and check the changes according to RPM speed
Engine operation : check the operation of the injector and sparks in the order of switch plugs (1, 3, 4, 2) and inspect whether normal operation of each sensor
Ensured the possibility of running control unit diagnostics using 16 - pin diagnostic socket
Ensured the ability of detected systemic error reading / deletion
Ensured the possibility of system parameters control
Training stand include
- Exam / practical work simulation terminal, which should be able to simulate not less than 10 different system errors
- Automobile oscilloscope
- diagnostics equipment

Training stand size: 1860x1450x700 mm
Flame intensity measurement by adjusting the ignition gap
Ensure the p
Training ben

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