



PRESENTATION:

The MT-E5000 is a training support element aimed at studying the sequential phased injection system of a petrol engine.

Autonomous aluminium frame with several simulation and visualisation boards:

- An ECU injection board with in/out measuring sockets as well as breakdown option.
- A vehicle board / instrument panel for modifying both road and engine parameters, a diagnosis connection socket with EOBD communication.
- An engine board, showing $\frac{3}{4}$ of the engine, the engine's sensors and actuators. Visualisation of the ignition injection cycles.

The MT-E5000 comes with an EOBD Scantool for reading default parameters and codes.

OBJECTIVES:

- Learn about the whole of the sequential phased petrol injection system.
- Observe, analyse and understand the operation of all the components of the petrol injection system.
- Read and understand the schemes.
- Measure signals at both ends (in/out) of the different components.
- Create breakdown so as to study diagnosis methods.



CONCERNED TYPES

BACPRO M.V.A.
BAC STI – Option motorized systems.
BTS M.A.V.A.
BTS M.C.I.

PRACTICAL AND CORRECTED PROJECTS

Resource notebook, on how to use and learn about the operation of the DTE5000 training board.

FEATURES:

Aluminium frame with a 230V cable for the connection to the main current and stabilised power supply for the 12V section.

An ECU board:

- Diagram of the injection ECU and of how incoming and outgoing information is managed.
- Accessible measurements on all the ECU terminals: control of the injectors of the primary ignition signal, position and control of the butterfly valve, double track throttle sensor, lambda probes (upstream, downstream), camshaft sensors and engine control wheel, control of GMV, etc...
- Inside, under a bolted cover, access to the different fuses connected with breakdowns, modifying the clicking on the chosen cylinder, modifying the battery voltage, the voltage of the lambda probe upstream as well as creating a breakdown in the catalytic.

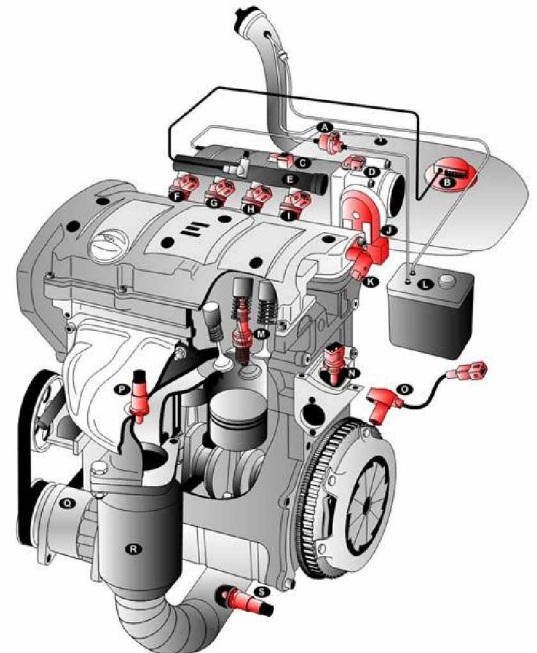
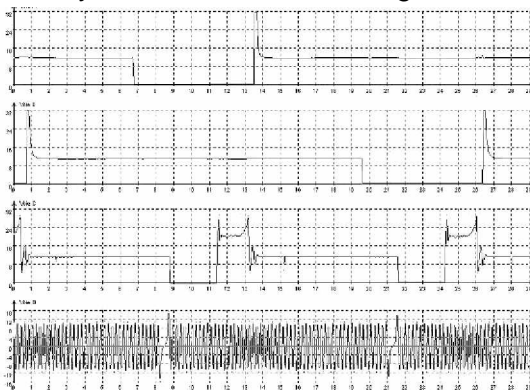




A vehicle board / instrument panel:

- Display and visualisation of the following parameters: engine speed, charge in %, pressure in the manifold, water temperature, air temperature, injection time and several indicators.
- Modification of the following parameters: accelerator, charge (road profile), manifold pressure, water and air temperature.
- EOBD in socket for connecting the provided scanner.

An engine board:

- It shows ¾ of the engine, sensors and actuators in red for those located on the engine.
- Visualisation through leds of the injection and ignition cycles, of the butterfly valve as well as the engine rotation.



References	Functions	Connection	Accessories
 MT-E5000	Training board for sequential phased petrol injection system	220V main current	Instruction booklet Training notebook EOBD EXXOTEST reader (OBD-EX1)
 MT-TABLE	Optional desk on castor wheels for the MT-E5000 training board.	None	None Desk to be assembled

Find all EXXOTEST products on the internet at: www.exxotest.com

This material is EC certified. It is provided with a certificate of verification and a declaration of conformity.

GUARANTY: 2 years parts and labour

ANNECY ELECTRONIQUE

Z.A. Les Marais – BP157 – F74410 ST JORIOZ

Tel : 04 50 68 90 65 Fax : 04 50 68 58 93