



IGNITION SYSTEM TRAINING PANEL



DL DM91

LEARNING EXPERIENCE

This demonstration panel represents the structure and operation of the engine ignition system based on real components of six ignition systems, including the mechanically timed ignition system, hall effect electronic ignition system, magnetic trigger electronic ignition system, optical trigger electronic ignition system, distributorless ignition system, (Each ignition coil services two spark plug), distributorless ignition system (Coil-On-Plug). The device applies to theoretical teaching and maintenance training of the ignition system for secondary vocational skill schools.

GENERAL CHARACTERISTICS

- Dim. mm (HxLxW) : 1900x2400x700
- Weight approx. kg 200
- Input power supply: AC 220V ± 10% 50Hz
- Operating voltage: 12V DC
- Operating functioning temperature: -40°C to +50°C

MAIN CHARACTERISTICS

The didactic system shows: 6 real-life and operable ignition systems. These are used to illustrate the structure and operating process of the ignition system.

Such system includes:

- mechanically timed ignition system,
- hall effect electronic ignition system,
- magnetic trigger electronic ignition system,
- optical trigger electronic ignition system,
- distributorless ignition system (Each ignition coil services two spark plugs),
- distributorless ignition system(Coil-On-Plug).

OTHER CHARACTERISTICS

- a) The trainer is made of advanced aluminum-plastic plate with characteristics of not less than 4mm thick. The plate is corrosion resistant, impact resistant, pollution resistant, fireproof, and moisture proof. The panel surface is processed by special craft and spraying primer. The circuit diagrams are painted with never fade colour and the boards are coated with varnish. The trainees can learn



ACCESSORIES

Suggested instruments for best practice:

- Digital Multimeter (not included)
- Automotive Oscilloscope (not included)

and analyze the working principle of the control system by looking and analysing the diagram and the real-life components.

- b) The training panel has installed detection terminals to identify electric signals, such as resistance, voltage, current, and frequency, of circuit components of the ignition system.
- c) The training base frame is made of steel and the surface is paint-coated. Pivoting wheels are mounted.
- d) The didactic panel does not use accumulators or battery and it does not require any charging. It can be connected to a 220V AC voltage which changes to a 12V DC voltage through the internal circuit. The 12V DC voltage protects the training panel against short circuit.
- e) Equipped with intelligent fault setting system, include fault setting and troubleshooting.