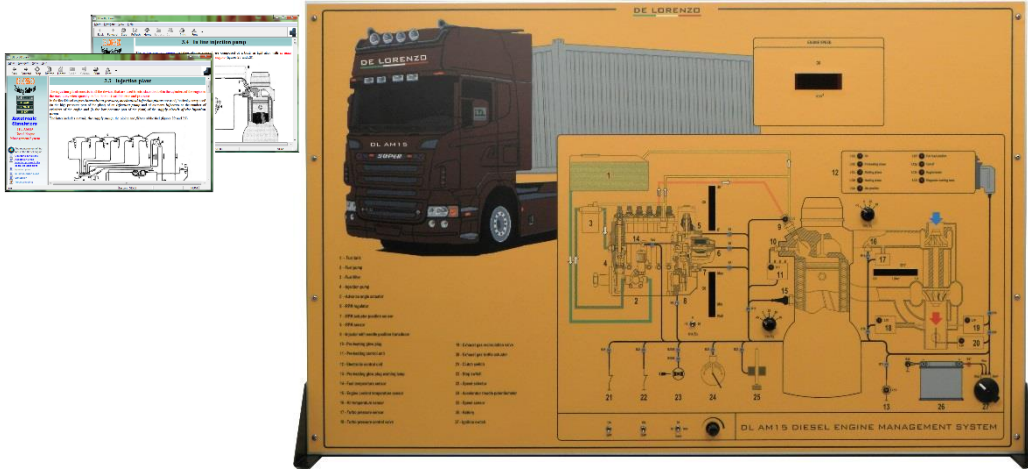




DIESEL ENGINE MANAGEMENT SYSTEM



DL AM15

LEARNING EXPERIENCE

The simulator panel is purposely designed and realized to allow for a complete and easy learning of the techniques used in the electronic injection systems of the Diesel engines.

In particular, this simulator panel reproduces a turbodiesel injection system with electronically controlled in line injection pump for heavy vehicles (lorries, buses, agricultural machines).

The simulator provides realistic fault finding facilities using heavy vehicle schematic diagrams. An easily understood schematic system represents the starting and fuel injection systems of a typical heavy vehicle. The student can see the exact operation of the various circuits as used in trucks and buses and can gain a hands-on introduction to each of the components and devices found in typical heavy vehicle systems.

All practical activities can be carried out using the electrical/electronic circuits and devices mounted on the panel trainer.

GENERAL CHARACTERISTICS

- Dim. mm approx (HxLxW) : 700x1000x150 - (470 with the base)
- Weight approx. kg 25
- Input power supply: AC 220V±10% 50 Hz
- Working temperature: -40°C ~ +50°C.

MAIN CHARACTERISTICS

The system covers the following subjects:

- Heavy vehicle wiring diagrams
- Heavy vehicle Electronics Control Module (ECM)
- Heavy vehicle electronic fuel injection systems
- Heavy vehicle sensors
- Heavy vehicle exhaust gas analysis and emission control
- Heavy vehicle turbo chargers and blowers
- Heavy vehicle cold start systems
- 12 V circuits
- Electronic control of vehicle performance and speed
- Engine protection
- Tamper resistance
- Fault finding

This vertical frame bench-top trainer is specially designed to show to students how automotive systems work. The simulator consists of a panel operated by the support of a computer with a coloured silk-screen diagram that clearly shows the structure of the system and allows the location of the components on it. The display of the information available on the computer screen allows the continuous control of the educational system. The operational conditions can be entered by the students and the insertion of faults can be carried out through the computer by the teacher. The trainer is supplied with a CAI Software and the supported documentation guides the students to the study and the performance of the simulation exercises. All components installed and given leads are made to protect the safety of the students.