



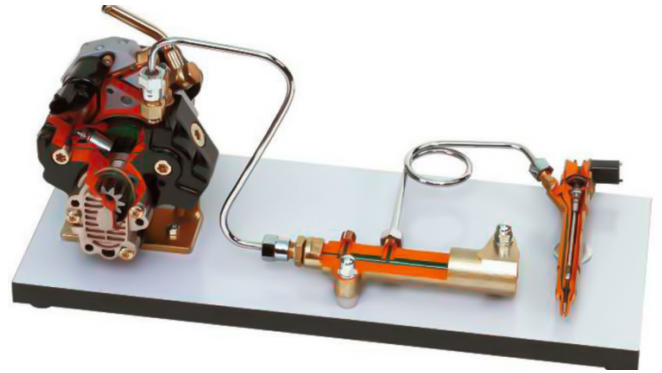
DIESEL COMMON-RAIL CUTAWAY EDUCATIONAL TRAINER

A1

Product number
AE410300M



Cutaway model showcasing the high-pressure diesel common-rail fuel system. It features a radial piston pump (CP3) capable of handling pressures up to 1,800 bar, a high-pressure fuel rail with integrated rail-pressure sensor and pressure-control valve, and both solenoid-valve and piezo-inline injectors for comprehensive fuel metering and injection analysis. The model also includes a gear-type fuel pump for supplying fuel to injection modules. This educational tool provides detailed visibility of high-pressure components and their interactions, making it ideal for advanced



Features

- Radial-piston pump (CP3): High-pressure pump with a monobloc housing and bucket tappets, capable of handling pressures up to 1,800 bar. Includes metering unit (ZME) for precise fuel delivery control.
- Gear-type fuel pump: Maintenance-free design with rotating gearwheels for fuel conveyance, used in single-cylinder and common-rail systems.
- High-pressure fuel rail: Maintains and regulates fuel pressure, includes rail-pressure sensor, pressure-control valve, and pressure-relief valve.
- Includes solenoid-valve and piezo-inline injectors, with detailed design for understanding their operational mechanisms and control.
- Provides clear visibility of internal components and their interactions within the common-rail system.

Specifications

- Dimensions: 500 x 200 x 300 mm (19.69 in×7.87 in×11.81 in)
- Weight: 8 kg (17 lb)
- Product number: AE410300M