



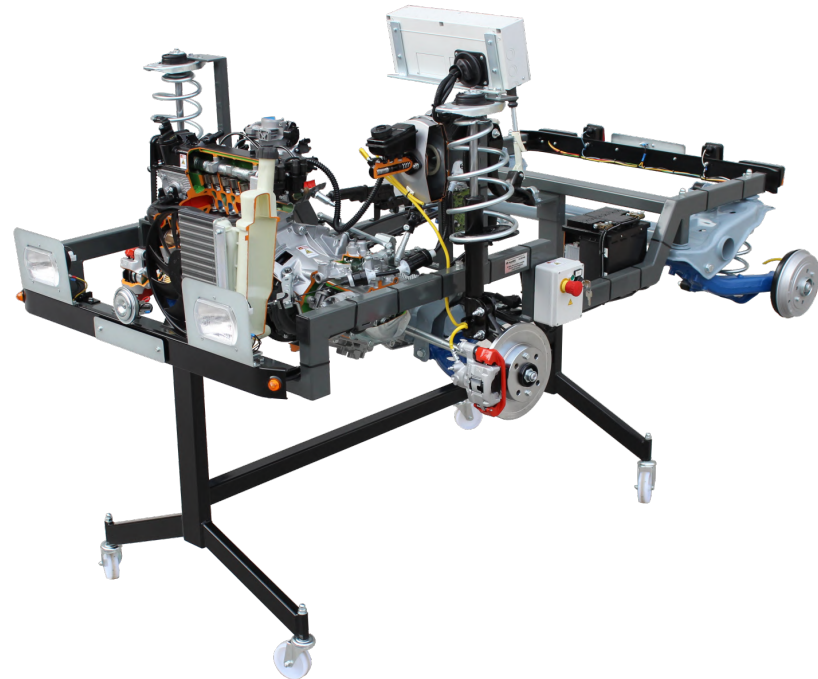
DOUBLE SHAFT (DOHC) ENGINE WITH MULTI-POINT ELECTRONIC INJECTION AND LIGHT SYSTEM CHASSIS

Product number

AE35340E

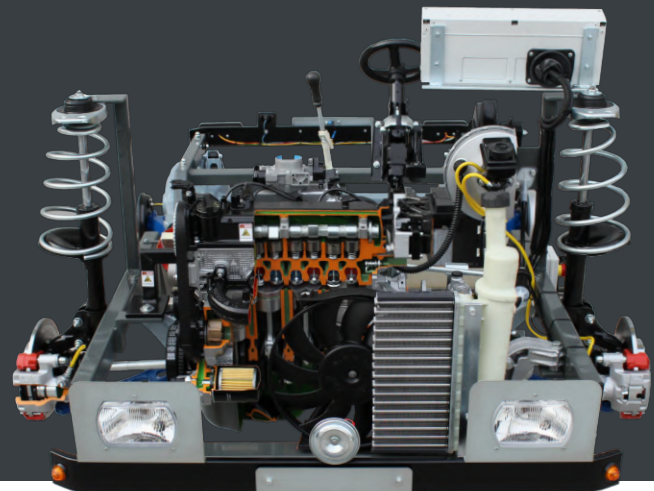
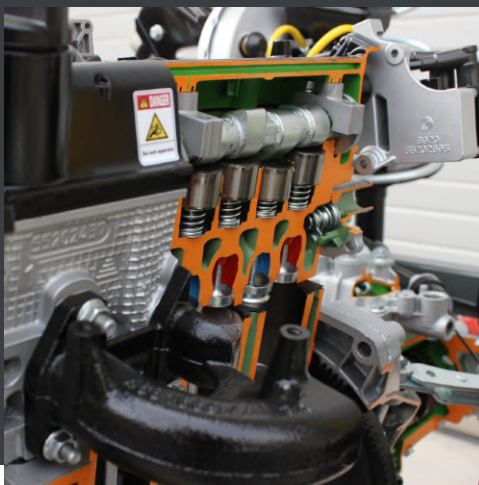


4-stroke, 4-cylinder petrol(gasoline) engine with a 2000 cm³ displacement and a twin overhead camshaft driven by a toothed belt. It includes a 5-speed gearbox with reverse, a differential with a hypoid crown wheel and pinion, and a dual braking circuit with front disc and rear drum brakes. The engine utilizes electronic ignition and operates electrically at 220 volts, running at reduced speed to facilitate detailed observation of its mechanical functions. Equipped with a functional lighting system, enhancing its practical educational value. The cutaway design, with chromium-plated and galvanized components, reveals critical systems including lubrication, fuel, and cooling, and is mounted on a wheeled stand for mobility.



Features

- 4-stroke, 4-cylinder petrol(gasoline) engine with 2000 cm³ displacement, twin overhead camshaft, electronic ignition, and dual braking circuit.
- Exposes and differentiates lubricating circuits, fuel system, cooling system, and operational lighting system. Includes detailed views of chassis, disk and drum brakes, transmissions, shock absorbers, driveshafts, axles, ECU and battery.
- Runs electrically at 220 volts with reduced speed for clear observation of mechanical functions. Equipped with a working lighting system and mounted on a wheeled stand for mobility and stability.





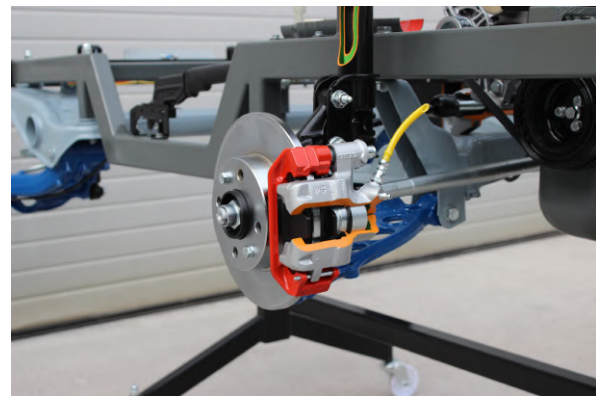
Value for Students

- Gain practical insights into a complete automotive system, including the engine, transmission, differential, braking systems, and suspension. The cutaway design offers clear visibility of internal components and their interactions, such as the driveshaft, axles, shock absorbers, and the integrated lighting system.
- Observe the operation of the 4-stroke engine, electronic ignition, and multi-point fuel injection system in real-time, facilitating understanding of each component's role and interaction within the system.
- Study the interplay between various systems such as the braking circuit (front disc and rear drum), lubrication circuits, cooling systems, and the operational lighting system. The model showcases how these components work together to ensure optimal vehicle performance.
- Interact with various parts including the battery, wiring, and mechanical assemblies to learn about their functions and maintenance. The trainer's reduced-speed operation allows detailed examination of mechanical processes and the functionality of the lighting system.



Value for Instructors

- Provides a detailed, structured view of a full automotive chassis, making it an invaluable resource for teaching automotive engineering and mechanics principles. The inclusion of a working lighting system enhances the demonstration of electrical and lighting components.
- Constructed with chromium-plated and galvanized parts for durability and longevity, ensuring that the trainer remains a reliable educational resource.
- Operates electrically at 220 volts, simplifying integration into classroom settings. The wheeled stand allows for easy repositioning, and the cutaway design, along with the functional lighting system, enhances visibility and accessibility of critical components.
- Mobile and space saving stand, allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.



Specifications

- Dimensions: 1450 x 2200 x 100 mm (57.09 in x 86.61 in x 3.94 in)
- Weight: 300 kg (660 lb)
- Power Supply: 220 volts, 50 Hz
- Product number: AE35340E

