



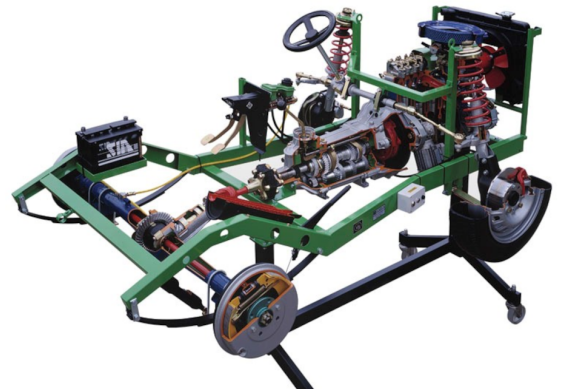
DIESEL TURBOCHARGED ENGINE WITH REAR WHEEL DRIVE CHASSIS CUTAWAY

Product number

AE36170E



This trainer, built on a Fiat chassis, features a 4-stroke, 4-cylinder in-line diesel engine with a turbocharger and a 5-speed gearbox with reverse. It includes a rear-wheel drive system, a single-plate clutch with a diaphragm, and a propeller shaft with mechanical and flexible joints. Equipped with a hypoid differential, a double circuit brake system with front disc and rear drum brakes, rear leaf spring suspension, and McPherson suspension in the front, it provides comprehensive hands-on learning. The rack steering gear completes the functional layout, and the trainer is mounted on a mobile stand with exposed sections for detailed examination of engine, lubrication, fuel, and cooling systems. Complete with a working light system, including regulation lights, rear fog lights, reverse and emergency lights, the electrical controls are assembled on a dashboard complete with warning lights.



Features

- Cutaway view displays turbocharger, camshaft, valves, cylinders, crankshaft, oil carter, and water cooling pump with visible lubrication and cooling circuits for functional study.
- Visible vehicle chassis, includes rear leaf spring suspension, McPherson front suspension, shock absorbers, and subframe for suspension dynamics.
- Rack steering gear for studying mechanical steering operation.
- Disk and drum brakes, hand brake, pedal, hydraulic pump, and cylinder for hydraulic braking operation.
- Visible gearbox gears, flywheel, clutch, shifting mechanism, and pedal for transmission and clutch study.
- Color-coded components for clear identification of systems (lubrication, cooling, suspension, braking) with color-coding for enhanced learning.
- Electrical dashboard with functional warning lights and controls for studying automotive electrical systems.
- Working light systems, including emergency, reverse, and fog lights, for understanding vehicle lighting functionality.

Specifications

- Dimensions: 2200 x 1600 x 1150 mm (86.61 in x 62.99 in x 45.28 in)
- Weight: approx. 420 kg (925 lb)
- Power supply: operates at 220 volts (110V US), with an electrically driven engine for reduced-speed operation
- Product number: AE36150E