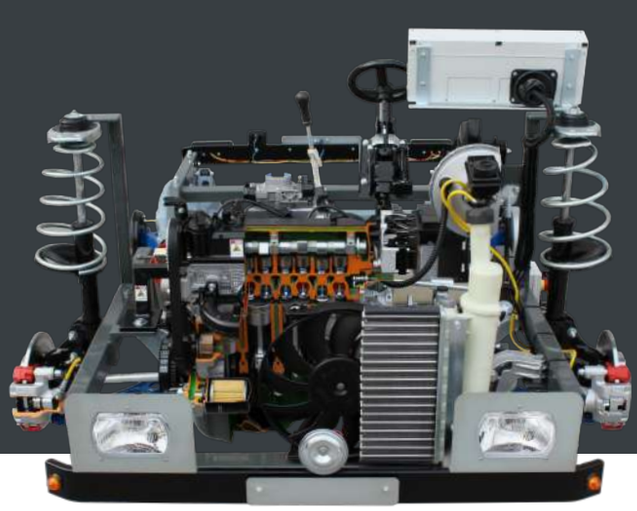
PETROL MPI ENGINE AND CHASSIS WITH ABS EDUCATIONAL TRAINER

Product number
AE35272E

Fiat front-drive chassis with a 1200 cm³, 4-cylinder petrol engine, MPI injection, ABS-equipped brake system with 4 sensors, and hydraulic power steering. Mounted on a wheeled stand, this trainer includes sectioned, color-coded components, a fully operational lighting system, and an electrically powered engine running at 220V (110V US) for precise observation of mechanical functions.

Features

- Fiat chassis with front-drive provides a realistic foundation for learning, complete with a working light system and hydraulic power steering.
- 4-cylinder, 1200 cm³ OEM petrol engine Sectioned and color-coded for easy identification of parts, with an electronic MPI (Multipoint) injection system.
- Hydraulic power steering equipped with a double-jointed steering column for accurate steering system demonstrations.
- ABS brake system includes 4 sensors, allowing students to observe and understand the operation of ABS technology.
- Electrically operated engine runs at 220 volts (110V US) at a reduced speed for safe, clear observation of mechanical operations.
- Professionally painted and galvanized components ensures longevity and ease of study, with parts differentiated by color and plating.



Value for Students

- Gain practical knowledge of a 1200 cm^3, 4-cylinder petrol engine with electronic MPI (Multipoint) injection. The engine operates electrically at 220 volts (110V US), running at reduced speed to allow for a clear understanding of mechanical operations.
- Study the hydraulic power steering system, featuring a double-jointed steering column, and understand the operation of a brake system equipped with 4 ABS sensors. The system provides real-time feedback, enhancing comprehension of ABS functionality and its role in vehicle safety.
- Learn about various automotive subsystems, including lubricating circuits, fuel systems, and cooling systems, which are clearly visible due to the model's sectioned and professionally painted components.
- Components are chromium-plated and galvanized for durability and longevity, allowing students to observe mechanical operations safely and effectively.

Value for Instructors

- Utilize this fully functional chassis model to demonstrate the principles of petrol engine operation, ABS brake systems, and hydraulic power steering. The model's clear visual differentiation of parts simplifies complex concepts for students.
- Uses OEM components for easy, safe, and realistic training that mimics real car.
- The electrically operated engine, running at a reduced speed, allows instructors to safely demonstrate various mechanical operations, making it easier to explain intricate processes and systems.
- The model's robust construction, with chromium-plated and galvanized components, ensures long-term usability. Its mobility on a wheeled stand facilitates easy integration into classroom settings, allowing for versatile teaching scenarios.
- The exposed components and working systems provide a realistic platform for teaching diagnostic procedures, preparing students for real-world automotive repair and maintenance tasks.
- Requires small adjustments to reset to default parameters, making it easy to prepare and start each lesson.

Specifications

- Dimensions: 2200 x 1600 x 1150 mm (86.61 in x 62.99 in x 45.28 in)
- Weight: approx. 300 kg (660 lb)
- Power supply: operates at 220 volts (110V US), with an electrically driven engine for reduced-speed operation
- Product number: AE45272E