ELECTRICAL VEHICLE FUNCTIONAL EDUCATIONAL

L3

Product number

AE01

Fully operational electric vehicle based on the Nissan Leaf I shows real vehicle components and diagnostic capabilities for systems such as the electric motor, high-voltage battery, ABS, AC, airbags, brakes, suspension and more, providing knowledge of modern electric vehicle systems.

Features

- Includes two diagnostic boxes: EV system, ABS, AC or airbags. More can be added additionally.
- Open contacts and wiring diagrams for two electronic systems facilitate detailed study and analysis.
- Enables simulation of 10 faults in the Vehicle Control Module and 10 faults in the Air Conditioning Control Module.
- Remotely introduce faults using a computer, tablet, or smartphone for efficient fault diagnosis training.
- Positioned in the car cabin, it can be moved as needed, ensuring safety and convenience during training sessions.
- Displays sensors, actuators, data transmission lines, and diagnostic connections for comprehensive system understanding.
- The fault simulation equipment is automatically activated and deactivated with the car, ensuring a safe training environment.

Value for Students

- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.
- Study and simulate electrical circuits of EV systems, climate control, airbag system, braking system with built-in measuring boxes and wiring diagrams. Two boxes are included, more diagnostical boxes can be added additionally.
- Develop diagnostic skills through built-in fault code simulations system of EV systems, climate control, airbag system, braking system.
- OBD II 16 – pin diagnostic connectors for ECU identification, fault code management, real-time parameter monitoring, throttle calibration and more.
- Simulating real vehicle pneumatic components, exact number of components are in training aid.

Value for Instructors

- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.
- Uses OEM automotive parts for an authentic and practical learning experience. Students gets real experience with all parts and functions exact as in real cars.
- Various diagnostic and fault simulation possibilities. Simulate EV system, SRS airbag system, braking system, climate control system with easy learning diagnostic boxes.
- Use advanced, hands-on training equipment to demonstrate key automotive systems and diagnostics.
- Easier real-time monitoring and fault simulation to improve student understanding and troubleshooting skills.
- Nissan OEM-based system allows students to be trained in diagnostics using almost any multibrand, specialized or OEM scan tools, ensuring a safe and high-quality learning environment.
- The training stand is designed for simplicity, requiring only small adjustments to reset to default parameters, making it easy to prepare and start each lesson quickly and efficiently.

Specifications

- Dimensions: 4479 x 1790 x 1535 mm (176.26 in x 70.47 in x 60.43 in)
- Weight: approx. 1640 kg (3615 lb)
- High voltage battery: 400 V
- Safety requirement: EHVS01 protective tools set
- Product number: AE01