TOYOTA PRIUS IV HYBRID PLUG-IN FUNCTIONAL EDUCATIONAL TRAINER

L3

Product number

AHPLIN04

Fully functional educational trainer, based on the Toyota Prius IV hybrid plug-in, provides a learning experience of a fully operational Plug-in Hybrid Electric Vehicle (PHEV). This immersive training platform is designed for diagnosing and understanding complex hybrid systems. It is equipped with built-in measuring boxes, fault code simulation for multiple systems, and open contact wiring diagrams, enhancing technical and vocational automotive education and training.

Features

- Includes all key components of a Toyota Prius IV, providing a complete and operational hybrid system for training.
- Offers training on the PHEV version, allowing students to understand both conventional hybrid and plug-in technologies.
- Integrated measuring boxes with open contacts and wiring diagrams for detailed electrical system analysis. One systems chose from: engine system, hybrid system, brake system, climate system, SRS system. More can be added optional.
- Simulates faults in engine control, power management, and high voltage systems, offering realistic diagnostic training. One systems chose from: engine system, hybrid system, brake system, climate system, SRS system. More can be added optional.
- Supports engine, ABS, AC, and airbag diagnostics, providing a broad scope of training opportunities.

Product Overview Video

A short video demonstrating the trainer's design, components, and key functions.

Value for Students

- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.
- Gain hands-on experience with a fully operational hybrid plug-in vehicle system, to understand the complexities of modern hybrid technology.
- Learn to diagnose and troubleshoot hybrid vehicle systems, including engine, ABS, AC, airbags, and more with various diagnostic tools.
- Study and analyze the electrical circuits of hybrid systems with built-in measuring boxes and open contact wiring diagrams.
- Develop troubleshooting skills by simulating and diagnosing faults in multiple electronic systems.
- Perform various laboratory tasks and measurements, gaining in-depth knowledge of system parameters and their impact on vehicle performance.

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 get real experience with all parts and functions based on the Toyota Prius IV Plug-in model.
- Easier real-time monitoring and fault simulation to improve student understanding and troubleshooting skills.
- The Toyota-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.
- Functional model on castors version, which is mobile and space-saving in the classroom, allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.

Specifications

- Dimensions: 4480 x 1745 x 1490 mm (176.38 in x 68.70 in x 58.66 in)
- Weight: 1420 kg (3130 lb)
- Power Supply: 12 V battery
- High Voltage Battery: 21.5 Ah, 207 V
- Fuel Type: Gasoline A91 or higher
- Safety Equipment: Protective Tools Set EHVS01 (optional)