



HYBRID PLUG-IN FUNCTIONAL EDUCATIONAL TRAINER

L3

Product number
AHPLIN01



Fully operational hybrid vehicle training system based on the FORD C-Max, featuring a Plug-in Hybrid Electric Vehicle (PHEV) version. Learn and analyze various hybrid car systems work processes, perform measurements of system parameters, conduct fault simulations and diagnose issues.



Features

- Hybrid System (PHEV): Simulates a real FORD C-Max hybrid vehicle system for accurate and practical training.
- Diagnostic Capabilities: Supports engine, ABS, AC, airbag diagnostics, and more, providing a comprehensive training experience.
- Built-in Measuring Box: Includes open contacts and wiring diagrams for two electronic systems, facilitating detailed electrical analysis.
- Fault Code Simulations: Allows simulation of faults in the Powertrain Control Module (PCM), Heating, Ventilation and Air Conditioning Control Module (HVAC), and Secondary On-Board Diagnostic Module C (SOBDMC).
- Wi-Fi Controlled Fault Simulation: Enables remote fault simulations using a computer, tablet, or smartphone, enhancing teaching flexibility.
- Safety Features: Equipped with the Protective Tools Set EHVS01 for comprehensive user protection during training sessions.
- Wiring Diagram: Provides detailed schematics for sensors, actuator components, data transmission lines, and diagnostic connections, aiding in precise learning and troubleshooting.





Value for instructors

- Provides easy, safe, and comfortable training using OEM Hybrid System (PHEV) components.
- Fault simulations using a computer, tablet, or smartphone, enhancing teaching flexibility.
- Visual aid to explain and demonstrate the structure and operation of various automotive parts, assemblies, and hybrid car systems.
- The Ford-based system allows use almost any multibrand, specialized or OEM scan tools for system diagnostics.
- Board is mobile and space saving in the classroom, allows use by multiple students for collaborative learning and practical training.
- Space-saving and mobile for efficient use of classroom space. Durable and light construction from solid aluminum frame to make it long lasting and safe to use. Allows use by multiple



Value for students

- Fully operational hybrid vehicle based on FORD C-Max. Learn hybrid vehicle systems, ABS, AC, airbags, and other diagnostic systems.
- Fault simulation, diagnostic procedures, and parameter measurements with various diagnostic tools. Troubleshooting of engine, ABS, SRS and more systems.
- Study electrical circuits through built-in measuring boxes with open contacts and wiring diagrams for two electronic systems.
- Fault code simulation for two electronic systems, for diagnostic and troubleshooting tasks in professional settings.
- OBD II 16 – pin diagnostic connectors for ECU identification, fault code management, real-time parameter monitoring, throttle calibration and more.
- Simulation of faults in the Powertrain Control Module (PCM), Heating, Ventilation and Air Conditioning Control Module (HVAC), and Secondary On-Board Diagnostic Module C (SOBDMC).

Specifications

- Dimensions: 4409 x 2085 x 1620 mm (173.54in x 82.09in x 63.78in)
- Weight: 1620 kg (3571 lb)
- High voltage battery: 7.6 kWh
- Safety requirements: protective tools set EHVS01
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