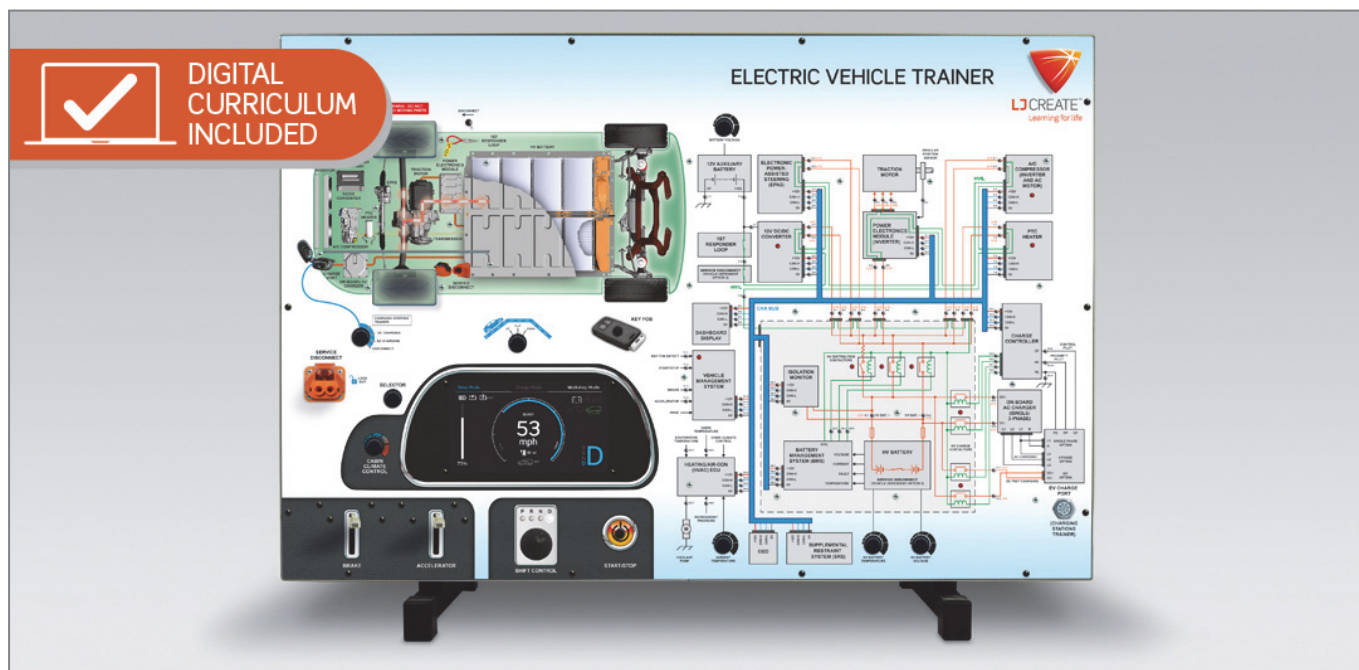


Product Information Sheet

Electric Vehicle Systems Panel Trainer



The Electric Vehicle Systems Panel Trainer provides students and instructors with the opportunity to demonstrate, investigate and fault-find a simulation of an electric vehicle electrical system.

The trainer is designed to allow access to a simulation of the mechanical operation as well as provide a mimic of the electrical power flow. The trainer also includes test points at a safe voltage level to allow for investigation of electrical circuits. To facilitate the development of techniques in diagnostics and fault-finding skills, the panel includes a range of fault-insertion options to simulate typical real-world system malfunctions.

This trainer includes access to digital curriculum materials including theory and practical learning tasks. The trainer can also be used in conjunction with our optional cloud-based software, which offers online practical electronics tasks as well as interactive theory presentations, investigations, and assessments, which link directly to the practical activities carried out using this resource.

The Panel Trainer Provides the Following Features:

- Simulation of mechanical and electrical power flow
- Dashboard with speed, RPM, ECO monitor, and temperature displays
- LCD panel scan tool to display diagnostic trouble codes
- Brake and accelerator pedals
- Gear-shift control and park push-button
- Service disconnect plug
- External, internal, and battery temperature controls
- Terminals to make DC and AC circuit measurements
- Electric motor driving wheels with power flow display
- Port to connect to other LJ Create EV Panel Trainers
- Manual or automatic fault insertion (16 Faults)

Typical Practical Tasks Include:

- Electric Vehicle Controls
- Electric Vehicle Systems and Components
- Practical EV Systems
- The Low Voltage System
- The High Voltage System
- First Responder Loop and the Service Disconnect
- Disabling the HV System
- Checking the Disabled HV System - Safety First
- Introduction to the CAN Bus
- Electric Vehicle Charging Circuits
- Introduction to Troubleshooting the EV Systems Panel
- Troubleshooting the System Start-up
- Troubleshooting the CAN Bus
- Troubleshooting the HVAC System
- Troubleshooting the Charging Circuits
- Finding Intermittent Faults in the System
- Interconnecting the LJ Create EV Panels

Items Included:

- Trainer
- Curriculum in digital format
- Wall mounting brackets
- Bench stands

Other Items Required:

- Lab scope
- Digital multimeter

General Information:

Trainer Dimensions: 900 x 170 x 600 mm (W, D, H)
Packed Volume: Approx. 0.316 m³
Packed Weight: Approx. 26 kg

Order Code: 740-01

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For more information visit www.ljcreate.com