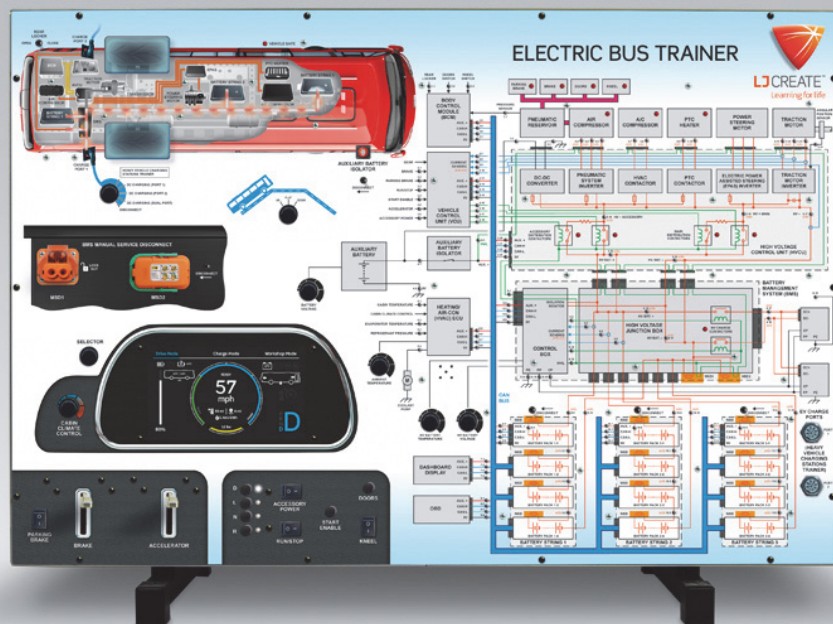


Product Information Sheet

Electric Bus Panel Trainer



The Electric Bus Panel Trainer provides students and instructors with the opportunity to demonstrate, investigate and fault-find a simulation of an electric bus 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 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, Access control, and temperature displays
- LCD panel scan tool to display diagnostic trouble codes and real time CPU data
- Air brake and accelerator pedals
- Gear-shift control and park push-button
- Service disconnect plugs
- 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 the LJ Create HGV Charging Panel
- Manual or automatic fault insertion (20 Faults)

Typical Practical Tasks Include:

- Introduction to the electric bus trainer
- High voltage system
- Disabling the high voltage system
- The low voltage system
- Electric bus CAN bus system
- EV bus BCM
- Regenerative braking system
- EV bus fluid power systems
- DC charging system
- Cell balancing
- Electric bus charging station connection
 - DC fast charging station operation
- Electric bus charging station connection
 - Charging station and vehicle communications
- Electric bus systems fault finding 1-10
- Electric bus systems fault finding 11-20

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: 745-01

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For more information visit www.ljcreate.com