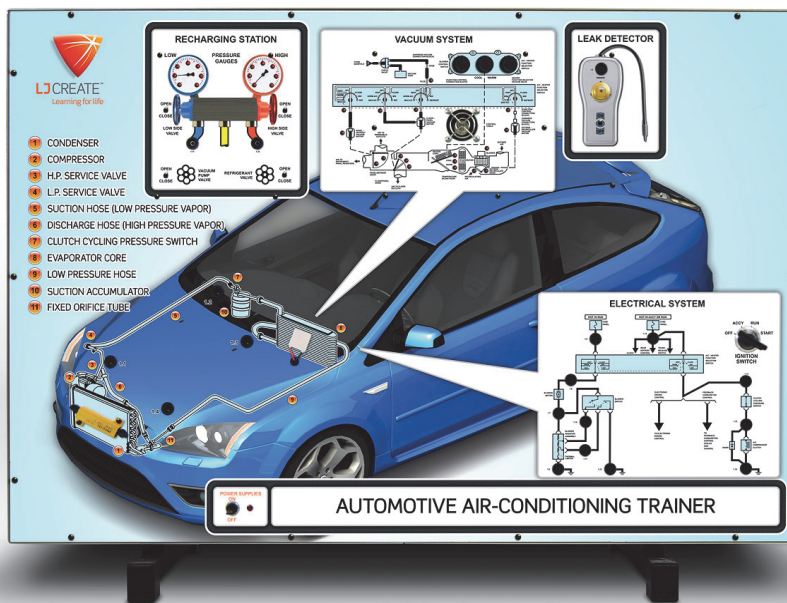


# Product Information Sheet

## Air Conditioning Systems Panel Trainer



This trainer provides students and instructors with the opportunity to demonstrate, investigate and fault-find a simulation of a typical automotive air conditioning system. The trainer is designed to allow access to controls for the vacuum system, electrical system and recharging station, as well as provide an understanding of the overall system layout and configuration. 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 Trainer Includes the Following Features:

- Condenser
- Fixed orifice tube
- Compressor
- Suction accumulator
- Evaporator core
- HP service valve
- LP service valve
- Clutch-cycling pressure switch
- AC pressure cut-off switch
- Air-distribution system controls - dashboard
- Blower motor control
- Manifold gauge simulation
- Leak-detector simulator

### Typical Practical Tasks Include:

- Identify the principles of air conditioning.
- Investigate FOTCC system operation.
- Service climate-control systems.
- Troubleshoot an air-distribution system.
- Test airflow components.
- Investigate A/C electrical systems.
- Fault-find heater electrical controls.

### Items Included:

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

### Other Items Required:

- Lab Scope

### General Information:

Trainer Dimensions: 900 x 170 x 600 mm (W, D, H)  
Packed Volume: Approx 0.316 m<sup>3</sup>  
Packed Weight: Approx 26 kg

**Order Code: 754-01**

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