

Product Name :

Air Conditioning Systems Panel Trainer

Product Code :

AUTO-0034

Description :

Air Conditioning Systems Panel Trainer

Technical Specification :

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.

The optional automotive cloud-based learning resources also offer supporting material in the form of presentations, investigations and assessments to underpin the practical tasks carried out on the panel trainer.

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.

The items supplied include:

Panel trainer

Accessory kit

Digital multimeter

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