



AIR CONDITIONING AND CLIMATE CONTROL EDUCATIONAL TRAINER

A7

Product number
MSC05

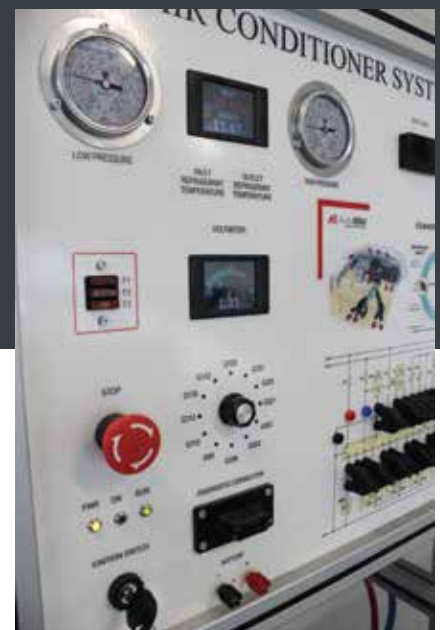


Fully functional Air-Conditioning system trainer with an expansion valve and electronic climate control system CLIMATronic system, equipped with R134a refrigerant. OBD 16-pole diagnostic socket and included open contacts for measuring system components and circuits. Fault code simulations enhance the educational value of this versatile training tool, installed in a mobile aluminum frame, designed specifically for technical and vocational automotive education and training.



Features

- Fully functional electronic climate control system CLIMATronic with R134a refrigerant.
- Demonstrates different operational modes of expansion valve system.
- Includes an OBD 16-pole diagnostic socket for system diagnostics.
- Open contacts for measuring system components and circuits.
- Enables the simulation of fault codes for diagnostic training.
- Installed on a durable aluminum frame with castors for easy mobility and space saving.
- Detailed diagram showing all elements, sensors, actuator components, data transmission lines, and diagnostic connections.
- Allows monitoring of changes in temperature, air flow, and actuator positions.





Value for teachers

- Visual and practical tool for explaining and demonstrating the structure and operation of automotive air conditioning systems.
- Compact and vertically oriented for enhanced mobility and efficient use of classroom space. Durable and light construction makes it long lasting and safe to use. Closed panels and internal wiring makes it safe to use and ensures accidental damage to sensitive training stand parts.
- Supports a wide range of educational activities, from basic understanding of system management and working principles to advanced diagnostics of fault simulations and live-data troubleshooting.
- OEM-based system allows diagnostics using almost any multibrand, specialized or OEM scan tools.
- Mobile and space saving in the classroom, allows concurrent use by multiple students.

Value for students

- Fully functional electronic OEM climate control system CLIMAtronic with R134a refrigerant.
- Demonstrates different operational modes of expansion valve system.
- Allows monitoring of changes in temperature, air flow, and actuator positions.
- Analyze the electrical circuits of electrical components for Air Conditioning And Climate Control systems, learn and understand about the wiring diagrams and presented components on it.
- Detailed diagram showing all elements, sensors, actuator components, data transmission lines, and diagnostic connections.
- Facilitates the performance of various measurements, tests, and diagnostic procedures using diagnostic scan tools and other equipment. Use banana plug connectors to monitor and measure electrical parameters, check parameters with a real-time data oscilloscope, multimeter, scan tools.

Specifications

- Dimensions: 685 x 865 x 1680 mm (26.97in x 34.06in x 66.14in)
- Weight: 108 kg (238 lb)
- Power supply: ~230 V, 50 Hz household electricity network
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