

**Product Name :**

Gasoline Engine (CAN and Climate Control) Trainer

**Product Code :**

AUT0-0032

**Description :**

Gasoline Engine (CAN and Climate Control) Trainer

**Technical Specification :**

This trainer provides a complete working engine with an engine management system incorporating CAN bus control technology.

It also includes a fully-functional climate control system for group or whole-class demonstration.

The engine incorporates the very latest twin independent variable camshaft timing (Ti-VCT) technology to optimize performance, reduce emissions and increase fuel efficiency.

The engine and climate control system are mounted on a moveable, heavy-duty, steel frame.

The system comprises all the elements that control the air-fuel ratio, the ignition timing and the exhaust emissions, together with the ECU and all the sensors and actuators associated with the control system.

The system also enables fault conditions to be inserted and for these

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faults to be diagnosed with specialist workshop test equipment.

**The trainer enables demonstrations of the following:-**

The position and mounting of all engine components

Engine management system fundamentals

The electronic control unit (ECU)

CAN bus

Sensor components

Actuator components

Pressurized fuel systems

Fuel injection components

Exhaust emission control components

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Climate control system

Fault finding

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