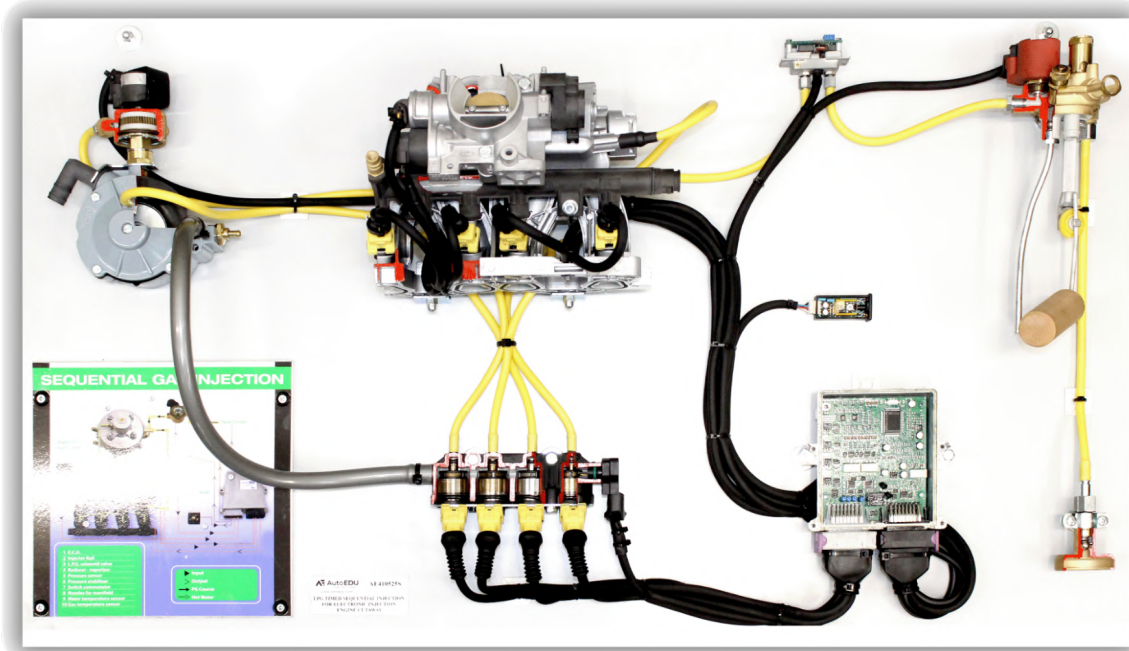




# LPG TIMED SEQUENTIAL INJECTION FOR ELECTRONIC INJECTION ENGINES

A1

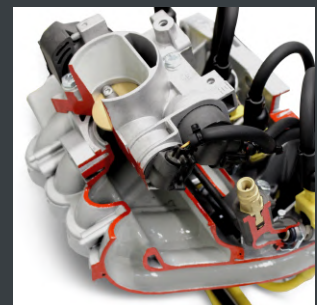
Product number  
AE410525S



## Features

- Complete LPG sequential injection system with all components in cutaway form.
- Sectioned LPG injectors, reducer-vaporizer, solenoid valve, sensors, and ECU.
- Integrated automotive ECU with visible circuit board layout.
- Transparent gas and coolant flow path illustrations on panel.
- Visible injection rail and manifold nozzles with exposed internals.
- Manual LPG/petrol (gasoline) switch commutator for control logic demonstration.
- Fully labeled schematic diagram included on panel.

Cutaway automotive training aid designed for study of LPG timed sequential injection systems used in petrol (gasoline) engines with multi-point electronic injection. All major components—including the LPG injectors, solenoid valve, reducer-vaporizer, sensors, and ECU—are sectioned to expose internal structures. This enables complete visual access to the internal design and working principles. The trainer includes an ECU, injector rail, LPG solenoid valve, reducer-vaporizer, pressure sensor, pressure stabilizer, switch commutator, manifold nozzles, coolant and gas temperature sensors, refueling valve, and level indicator, all mounted on a structured display panel.





## Value for Students

- Visually examine the internal structure of LPG system components, including injector nozzles, vaporizer chambers, and solenoid valves.

Learn fuel flow path from refueling valve to injectors with cutaway visibility of each stage.

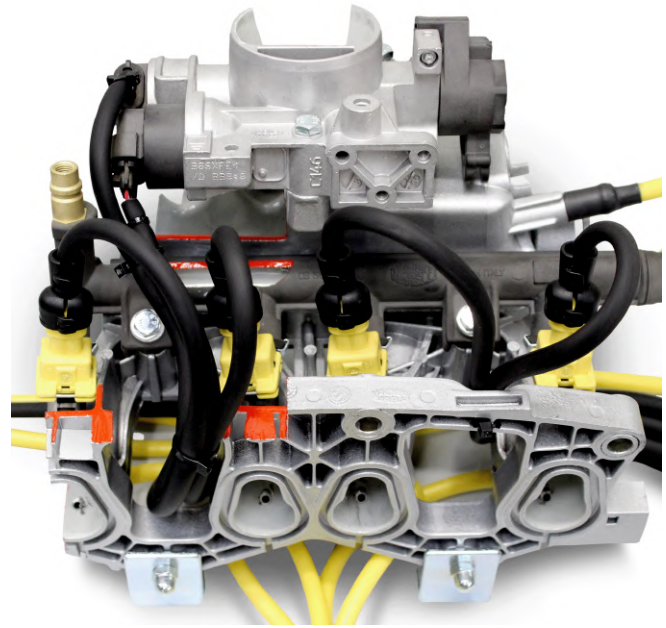
- Understand working principles of LPG phase change in the reducer and its flow control.
- Identify and study internal parts of pressure sensors, temperature sensors, and the ECU.

- Analyze component function and signal routing in a sequential LPG injection system.

Practice diagnostic skills by tracing system operation and sensor feedback.

Gain insight into fuel pressure stabilization, vapor gas metering, and switching logic between petrol (gasoline) and gas modes.

Strengthen understanding of alternative fuel systems used in modern automotive applications.



## Value for Instructors

- Sectioned components allow clear explanation of complex internal mechanisms.
- Ideal for teaching theory and operation of LPG fuel systems using visual reference.
- Supports structured lessons on fuel vaporization, sensor signal processing, and injection timing.
- Enhances visual learning and retention through real component cross-sections.



## Specifications

- Components: cutaway ECU, injection rail, LPG solenoid valve, reducer-vaporizer, pressure sensor, pressure stabilizer, switch commutator, manifold nozzles, coolant temperature sensor, gas temperature sensor, refueling valve, level indicator.
- Structure: cutaway components for internal view and demonstration.
- Weight: 16 kg (35.27 lbs).
- Dimensions: 700 × 1200 × 150 mm (27.56 × 47.24 × 5.91 in).
- Product number: AE410525S

