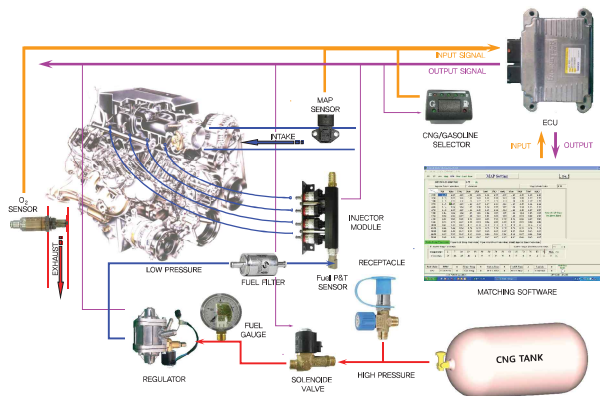


# Bi-Fuel NGV conversion kit

## Sequential Injection System

### System Diagram



### Main Kit Component

- ECU with Switch
- Regulator
- MAP Sensor
- Solenoid Valve
- Select Switch
- Fuel/Water Hose
- Wiring Harness
- Injector
- Receptacle
- Low Pressure Fuel Filter
- Steel Roll Pipe
- Vent Kit

### System Feature

- High Efficiency and Economized NGV System
- High Performance, Reliability and Good Drivability
- Performance : 90% of Base Gasoline Engine
- Automatic Fuel Quality Adaptation Function with Self-Leaning Control Logic
- Meet the Exhaust Gas Emission to EURO3,4
- Multi Point Fuel Injection
- High Speed Control

### Applied Vehicle



### System Specification

- Petrol injectors emulation on board
- Input Signal : Lambda Sensor.. WTS, RPM, GPS, GTS
- Output Signal : 4 or 6 injectors (optionally up to 8 injectors), Shut off value
- Bi-fuel and mono-fuel systems supported
- Auto-turning of gas map
- Programming and diagnostics : RS-232 connect

### Conversion Kit

- Bi-fuel conversion Kit, NGV 4 Cylinder
- Bi-fuel conversion Kit, NGV 6 Cylinder
- Bi-fuel ECU Kit, 4 Cylinder
- Bi-fuel ECU Kit, 6 Cylinder





# Main System component

item	component specification	item	component specification
<p><b>ECU</b></p> 	<p>Working Voltage: +8~16voltce Sequential injection: 4/6 injectors Diagnosis and programming: RS232</p>	<p><b>Pressure Regulator</b></p> 	<p>Working Pressure: Up to 260 Bar Working Temperature: -40°C~+120°C Outlet Pressure: 1.8 Bar Certificate ECE R110</p>
<p><b>Injector Module</b></p> 	<p>Max Working Pressure: 3Bar Working Voltage: 8~16volt Resistor: 3Ω (Peck &amp; Hold type) Certificate ECE R110</p>	<p><b>Solenoid Valve</b></p> 	<p>Working Pressure: Up to 260 Bar Working Voltage: 12V (10W) Working temperature: -40°C~+120°C Certificate ECE R110</p>
<p><b>Pressure Gauge</b></p> 	<p>Scale range 0 ... 400 Bar Robust Steel case, Size 500mm Working temperature: -40°C~+120°C Certificate ECE R110</p>	<p><b>Receptacle</b></p> 	<p>Filling charge valve Type NGV1 Working Pressure: Up to 260 Bar Working temperature: -40°C~+120°C Certificate ECE R110</p>
<p><b>Low Pressure Filter, CNG</b></p> 	<p>Working Pressure: Up to 450kPa Working temperature: -20°C~+120°C inlet / outlet size: 10mm Certificate ECE R110</p>	<p><b>Indicator and Switch</b></p> 	<p>Working Pressure: +8~16volt Quick installation (bracket included) Level indicator 5 Level LEDs</p>
<p><b>Fuel hose</b></p> 	<p>Working Pressure: Up to 450kPa Working temperature: -20°C~+120°C inside diameter: 10mm Certificate ECE R110</p>	<p><b>Steel Roll Pipe</b></p> 	<p>Max Working Pressure: 300 Bar Working temperature: -40°C~+85°C PVC covering Certificate ECE R110</p>

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