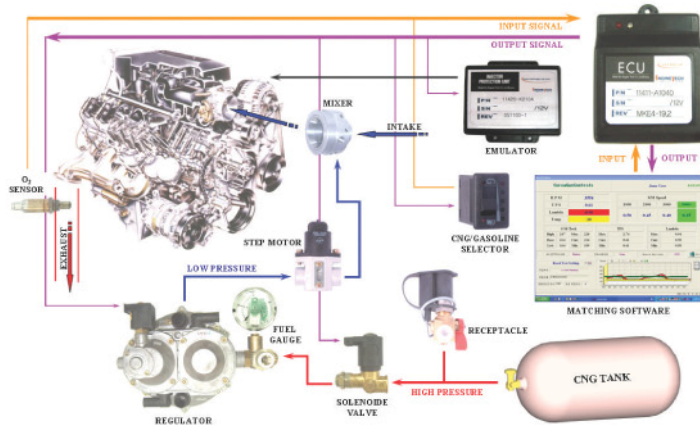


Bi-Fuel NGV conversion kit

Lambda Control Mixer System

System Diagram



Main Kit Component

- ECU (Lambda Control)
- Injector Emulator
- Regulator
- Step motor
- Solenoid valve
- select switch
- Fuel/Water Hose
- Wiring harness
- Mixer
- Receptacle
- Low Pressure Fuel filter
- Steel Roll pipe
- vent kit

System Feature

- Performance : 85% of Base Gasoline Engine
- Feed-Back Control of Air-Fuel Ratio
- Low Price and simple Conversion to NGV
- Meet the Exhaust Gas Emission to EURO2, 3
- Stoichiometric Air-Fuel Ratio Control : Lean/Rich

Applied Vehicle



System Specification

- Fuel control : Step Motor (430 steps with each step of 0.02mm)
- Input Signal : Lambda Sensor, TPS, WTS, RPM
- Output Signal : Step Motor, Shut off value
- Auto-turning of gas map
- Auto fuel changing function
- Bi-fuel and mono-fuel systems supported
- 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



Main System component

item	component specification	item	component specification
ECU 	Working Voltage : +8~16voltage Fuel Control : Step Motor Diagnosis and programming : RS232	Pressure Regulator 	Working Pressure : Up to 260 Bar Working Temperture : -40~120°... Include Solenoid Valve Certificate ECE R110
Injector Emulator 	Working Voltage : +8~16voltage Emulation 4 / 6 cylinder Emulation for each injector	Solenoid Valve 	Working Pressure : Up to 260 Bar Working Voltage : 12V (10W) Working temperature : -40°C~+120°C Certificate ECE R110
Injector Module 	Max. Travel : 10 mm Working Voltage : 8~16volt Working temperature : -40°C~+120°C	Receptacle 	Filling charge valve Type NGV1 Working Pressure : Up to 260 Bar Working temperature : -40°C~+120°C Certificate ECE R110
Pressure Gauge 	Scale range 0 ... 400 bar Robust steel case, Size 50mm Working temperature : -40°C~+120°C Certificate ECE R110	Indicator and Switch 	Working Voltage : +8~16volt Quick installation (bracket included) Level indicator have 5 backlit LEDs
Mixer 	Aluminum body Venturi Size : 15~25mm	Steel Roll Pipe 	Max working pressure : 300 bar Working temperature : -40 + 85°C PVC covering Certifications : R110 - ISO 15500