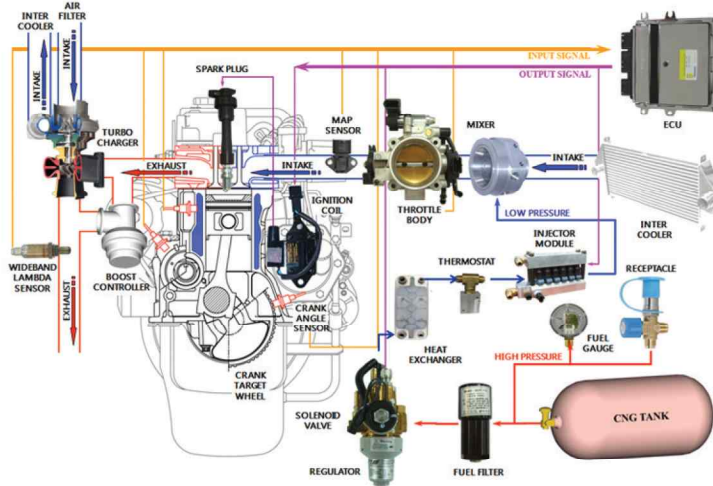


NGV Retrofit Kit

TC Version

System Diagram



Main System Component

- Regulator & Solenoid Valve
- Injector
- Fuel Mixer
- Throttle Body
- Receptacle
- High Pressure Fuel Filter
- High Pressure Fuel Gauge
- Ignition Coil
- High Tension Coil
- Spark Plug
- ECU & Wiring Harness
- MAP Sensor
- Crank Angle Sensor & Target Wheel
- Water Temperature Sensor
- Wide Bend Lambda Sensor
- Boost Controller

System Feature

- Diesel vehicle Retrofit to NGV
- Meet the Exhaust Gas Emission to EURO 2&3
- Equivalent Performance Compare to Base Diesel Engine
- High Performance and Reliability
- Customized NGV Engine Development
- High Efficiency and Economized NGV System
- High Safety and Quality Assurance
- Boost pressure control (electronically)

Applied Vehicle



System Specification

- Regulator/Injector : 8bar spec
- Electronically boost pressure control
- Up to 400HP engine applied
- Lean-burn A/F Ratio Applied
- Compression Ratio : 11.5:1
- Lean Mixture feed Back control
- Available Engine Model
 - /SUZU : 4HK1_T, 6SDI_T
 - /HINO : J05C_T, J08C_T, P11C_T, K13C
 - /Mitsubishi : 6D16_T, 6M60, 6M70
 - /Nissan : FE6T, PE6T, PF6T, MD92



Main System component

| item | component specification | item | component specification |
|---|---|---|--|
| ECU  | Working Voltage : +17~30 voltage Working Temperature : -40~120° Boost Control and Leanburn Control Certificate E4-10R, ECE R110 | Pressure Regulator  | Working Pressure : Up to 260 Bar Outlet pressure : 8 Bar Include Solenoid valve Certificate ECE R110 |
| Injector Module  | Working Pressure : 8Bar Working temperature : -40°C~+125°C Resistor : 8.5Ω Certificate ECE R110 | Fuel Filter  | Working Pressure : Up to 250 Bar Working temperature : -40°C~+107°C Port Size : 9/16" ±18 SAE Certificate ECE R110 |
| Lambda Sensor  | Wideband Lambda Sensor Heating type Detection λ range : 0.65~2.43 | Receptacle  | Filling charge valve Type NGV1 Working Pressure : Up to 260 Bar Working temperature : -40°C~+120°C Certificate ECE R110 |
| Boost Control Valve  | Max Working Pressure : 3 Bar Working Voltage : 8~16volt Resistor : 3Ω (Peck & Hold type) Certificate ECE R110 | Throttle Body  | Include TPS (Throttle Position Sensor) Include ISC (Idle Speed Controller) |
| Ignition Coil  | Working Voltage : +8~16volt Primary resistance : 0.7 Ω Primary Current : 6A | Steel Roll Pipe  | Max working pressure : 300 bar Working temperature : -40 + 85°C PVC covering Certifications : R110- ISO 15500 |