



Alternative Fuel Systems

Ez.LGI

Liquid-state LPG injection

Moving innovation forward



www.gficontrolsystems.eu

Ez.Lgi

LIQUID-STATE LPG INJECTION

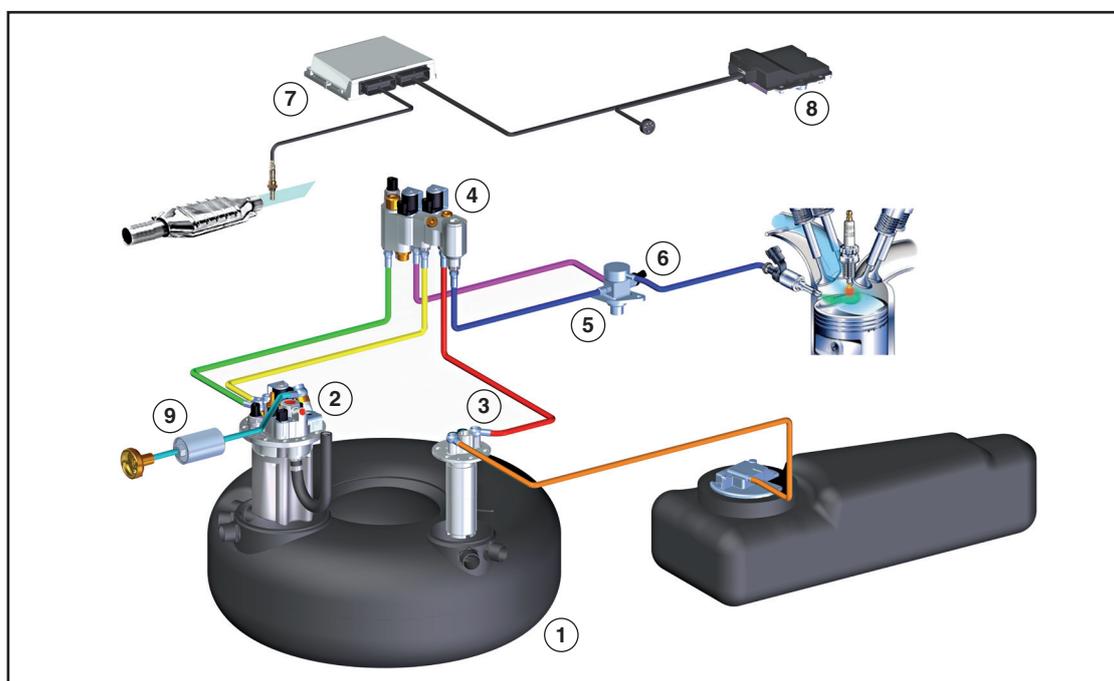
The EZ Lgi system (liquid state LPG Injection) by GFI opens to a new generation of LPG systems.

EZ Lgi is developed for petrol direct injection engines allowing to inject liquid state LPG directly into the combustion chamber using the original petrol injectors and the high pressure petrol pump.

EZ Lgi enables optimization of engine performance and a reduction in polluting emissions from the original petrol supply

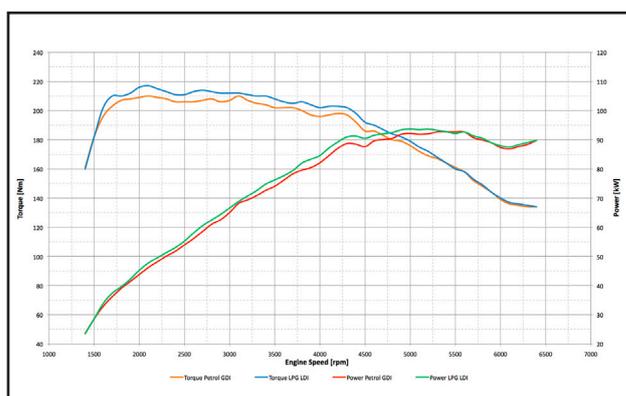
EZ Lgi is the LPG system that maintains or improves the high level technology of a direct injection engine, combined with the strongly enhanced benefits of LPG

Ez.LGI GENERAL DIAGRAM



- 1 - LPG Tank
- 2 - Ez.Lgi Flange
- 3 - Petrol Flange
- 4 - FSU-PCU
- 5 - LPG/Petrol High Pressure Pump (HP)

- 6 - High Pressure Pump Temperature Sensor
- 7 - Ez.Lgi ECU
- 8 - Petrol ECU
- 9 - LPG Filter



GDI ENGINE AND Ez.Lgi COMPARISON

The graph represents results from various tests which have shown that when fitted with the EZ Lgi system, vehicle performance improves at low engine speed, while the two different fuels are equivalent at high engine speed.



EZ.LGI FLANGE

The EZ Lgi flange incorporates all functions necessary to the refueling operation. This includes LPG supply and safety devices required by International Regulation.

PETROL FLANGE

The petrol flange integrates an additional pump used during LPG --> petrol changeover, together with all related devices.



FSU

The FSU device gathers LPG and petrol interception valves and allows changing over from one fuel to another. Moreover, it integrates devices for adjusting fuel pressure upstream high pressure pump.

LPG/PETROL HIGH PRESSURE PUMP

The pump increases LPG/Petrol pressure for injection system.

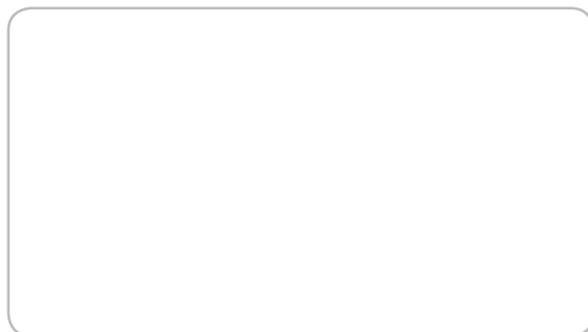


EZ.LGI ECU

The ECU manages the solenoid valves and pumps functions, together with all strategies useful to obtain best performance and compatibility with the petrol engine control (self-adapting parameters) under all working conditions. The ECU interfaces with petrol OBD communication.



Authorized Dealer



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