

# KIT EVO L



## FEATURES

LANDIRENZO EVO L is an essential and concrete multipoint Natural Gas injection system. Its compact size and lightweight components have been designed to facilitate installation of the system in the smallest vehicle layouts.

The components are characterized by their ease of installation, in particular the rail injectors with one-size nozzles that can be adjusted, and the single-stage regulator with built-in pressure gauge and sensor that ensures fuel supply on medium power vehicles with aspirated or turbo engines.

The EVO L 32-pin control unit performs complete, accurate diagnostics of the gas system and can be fitted on vehicles with 2- to 4-cylinder engines, meeting the most stringent emission standards (Euro 6 ready).

## COMPOSITION

### KIT

- PRESSURE REGULATOR
- CNG PRESSURE SENSOR
- ECU
- RAIL INJECTOR
- NOZZLES
- SQUARE SWITCH
- MAP SENSOR
- UNCOUPLE WIRING HARNESS
- GAS FILTER
- HOSES & PIPES
- T CONNECTORS
- CLAMPS
- WATER SENSOR
- BRACKETS

### MINIKIT

- PRESSURE REGULATOR
- CNG PRESSURE SENSOR
- ECU
- RAIL INJECTOR
- NOZZLES
- SQUARE SWITCH
- MAP SENSOR
- UNCOUPLE WIRING HARNESS
- GAS FILTER
- WATER SENSOR

## MAINTENANCE


- Gas filter replacement (low pressure circuit) and controls (20.000 km).
- Gas injectors overhaul (60.000 km).
- Pressure regulator maintenance service (80.000 km).


## HOMOLOGATIONS


DGM (Italy) 59612 CNG injection systems Euro 5 - 6 for power (kW/cylinder) from 12 kW to 26 kW / 27 kW to 45 kW


DGM (Italy) 59673 CNG aspirated systems Euro 3 - 4 for power (kW/cylinder) from 600 cc a 3490 cc (only GI25 injectors)

## COMPONENTS

<b>PRESSURE REGULATOR</b>	<b>NG1</b>	
	NOMINAL OPERATING	22 kg/h
	OPERATING PRESSURE	2 bar
	PRESSURE SETTING SAFETY VALVE	3,2 bar
	WORKING TEMPERATURE	-40°C ÷ 120°C
	ELECTRIC FEATURES COIL SOLENOID	12 V - 11 W

<b>ECU</b>	<b>EVO L</b>	
	CLASS IP	IP64
	VOLTAGE POWER	10-16 Vdc
	WORKING TEMPERATURE	-40°C ÷ 105°C
	ENTRY CONNECTION	32 PIN
	DIMENSION	105,7x144x35 mm

<b>RAIL INJECTORS</b>	<b>EP</b>	
	INJECTOR TYPE	Normally closed
	CLASS IP	IP54
	CONNECTOR	AMP-TYCO (SUPERSEAL)
	WORKING TEMPERATURE	-20°C ÷ 100°C
	WORKING PRESSURE (RELATIVE)	0,5 - 4 bar
	VOLTAGE - CURRENT WORKING	10/14 V - 1,5 A
	OPENING - CLOSING TIME	3,3 ms - 2,8 ms

<b>SWITCH</b>	<b>SQUARE</b>
	<p>An electronic control module with the characteristic square shape whose functions are:</p> <ul style="list-style-type: none"> <li>• gas / gasoline switch and indication fuel in use by means of two LEDs</li> <li>• display of the quantity of gas present in the tank using 5 LEDs.</li> </ul> <p>The switch also has a buzzer which comes into operation in the following conditions: back to petrol for low pressure, back to petrol for diagnosis.</p>

## VERSIONS

DESCRIPTION	CYL.	PRESSURE REGULATOR	kW	ECU	RAIL
KIT CNG 4C EVO L	4	NG1	110	EVO L	EP
KIT CNG 4C EVO L	4	NG1	110	EVO L	IG1
MINIKIT CNG 4C EVO	4	NG1	110	EVO L	EP
MINIKIT CNG 4C EVO	4	NG1	110	EVO L	IG1