

KIT EVO



FEATURES

The LANDIRENZO EVO natural gas system combines top performance with easy installation. It is one of the world's best-selling natural gas systems due to its outstanding price to quality ratio. Its compact size makes it suitable for the vast majority of vehicles. The components of the LANDIRENZO EVO natural gas system are among the world's quietest, and guarantee easy installation and high performance. The system is subjected to strict durability tests to guarantee maximum quality and efficiency over time. It is perfect for vehicles with 2 to 6 cylinder engines, including turbo engines.

LANDIRENZO EVO meets the strictest European emissions standards (Euro 6).

The system features OBDII connectivity via the K and CAN protocols. It offers thorough diagnostics on the connection with petrol injectors and the functioning of individual gas injectors.

The OBD version supports the LANDIRENZO CONNECT smartphone app. The app provides information on consumption, autonomy, emissions and more.

COMPOSITION

KIT

- PRESSURE REGULATOR
- CNG PRESSURE SENSOR
- ECU
- *RAIL INJECTOR
- **BOXER Y CONNECTOR
- SQUARE SWITCH
- MAP SENSOR
- UNCOUPLE WIRING HARNESS
- GAS FILTER
- HOSES & PIPES
- T CONNECTORS
- CLAMPS
- BRACKETS

* Kit version available with or without rail

** Available in 6-cylinder kit

MINIKIT

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

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)


R115 005991 CNG turbo and aspirated systems Euro 6 for engine power (kW/cylinder) from 15,4 kW to 25,3 kW (only for list of vehicles and kits on certificated R115)

COMPONENTS

PRESSURE REGULATOR	NG1		PRESSURE REGULATOR	NG2	
		NOMINAL OPERATING		22 kg/h	
	OPERATING PRESSURE	2 bar		OPERATING PRESSURE	2 bar
	PRESSURE SETTING SAFETY VALVE	3,2 bar		PRESSURE SETTING SAFETY VALVE	18 bar
	WORKING TEMPERATURE	-40°C ÷ 120°C		WORKING TEMPERATURE	-40°C ÷ 120°C
	ELECTRIC FEATURES COIL SOLENOID	12 V - 11 W		ELECTRIC FEATURES COIL SOLENOID	12 V - 20 W

ECU	EVO 4CYL.		ECU	EVO 6CYL.	
		CLASS IP		IP54	
	VOLTAGE POWER	10-16 Vdc		VOLTAGE POWER	10-16 Vdc
	WORKING TEMPERATURE	-40°C ÷ 120°C		WORKING TEMPERATURE	-40°C ÷ 120°C
	ENTRY CONNECTION	48 PIN		ENTRY CONNECTION	60 PIN
	DIMENSION	138x150x35 mm		DIMENSION	196x163x43 mm

RAIL INJECTORS	EVO	
		INJECTOR TYPE
	CLASS IP	IP54
	CONNECTOR	AMP-TYCO (SUPERSEAL)
	WORKING TEMPERATURE	-40°C ÷ 120°C
	WORKING PRESSURE (RELATIVE)	0,5 - 4,5 bar
	VOLTAGE - CURRENT WORKING	4,5/13,5 V - 2 A
	OPENING - CLOSING TIME	2,45 ms - 1,9 ms

SWITCH	SQUARE
	<p>An electronic control module with the characteristic square shape whose functions are:</p> <ul style="list-style-type: none"> • gas / gasoline switch and indication fuel in use by means of two LEDs • display of the quantity of gas present in the tank using 5 LEDs. <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	OBD	CYL.	PRESSURE REGULATOR	kW	ECU	RAIL
KIT CNG EVO NG1	No	4	NG1	110	EVO	EVO
KIT CNG EVO OBD NG1	Si	4	NG1	110	EVO OBD	EVO
KIT CNG 4C.EVO NG1	No	4	NG1	110	EVO	EVO
KIT CNG 4C EVO OBD NG2	Si	4	NG2	160	EVO OBD	EVO
KIT CNG 4C.EVO OBD NG1	Si	4	NG1	110	EVO OBD	EVO
KIT CNG 6C EVO OBD NG2	Si	6	NG2	160	EVO OBD 6CYL	EVO
MINIKITCNG 4C.EVO NG1	No	4	NG1	110	EVO	EVO
MINIKIT CNG 4C.EVO OBD NG1	Si	4	NG1	110	EVO OBD	EVO
MINIKIT CNG 4C.EVO OBD NG2	Si	4	NG2	160	EVO OBD	EVO
MINIKIT CNG 6C.EVO OBD NG2	Si	6	NG2	160	EVO OBD 6CYL	EVO