

KIT OMEGAS (8 cyl.)



FEATURES

LANDIRENZO OMEGAS, for vehicles with 5- to 8-cylinder engines, is Landirengo's flagship system, and the most popular with automobile manufacturers all over the world.

Careful selection of components for speed, precision, resistance to high temperatures and impermeability allow the system to pass the strictest endurance tests, ensuring maximum efficiency over time.

The components, which represent the top of the Landirengo range, are: a 60-pin ECU with OBDII connectivity via the K and CAN protocols for complete, accurate diagnostics of the gas system; double-stage regulator with built-in pressure gauge and sensor; a lowpressure Natural Gas filter; and every accessory to ensure optimal component mounting.

Natural Gas is accurately metered by the high-precision GIRS12 injector rail (not included in the basic kit). The system is compatible with the most stringent emissions standards (Euro 6 ready).

Advanced calibration offers the highest levels of accuracy and precision when setting up the system.

COMPOSITION

KIT

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

MINIKIT

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

* uncouple wiring harness exclusion injectors not included in the kit


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 12kW to 26kW / 27kW to 45kW
 DGM (Italy) 59673 CNG aspirated systems Euro 3 - 4 for power (kW / cylinder) from 600cc a 3490cc (only GI25 injectors)

COMPONENTS

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

ECU	OMEGAS 3.0 OBD	
	CLASS IP	IP6K9K
	VOLTAGE POWER	10-16 Vdc
	WORKING TEMPERATURE	-40°C ÷ 120°C
	ENTRY CONNECTION	60 PIN
	DIMENSION	196x163x43 mm

RAIL INJECTORS	GIRS12	
	INJECTOR TYPE	Normally closed
	CLASS IP	IP54
	CONNECTOR	MTA HP6
	WORKING TEMPERATURE	-30°C ÷ 95°C
	WORKING PRESSURE (RELATIVE)	Max 3bar
	VOLTAGE - CURRENT WORKING	9/16V - 1,5A
	OPENING - CLOSING TIME	1,9 ms - 2,0 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	CYL.	KW	PRESSURE REGULATOR	ECU	RAIL
KIT CNG 5-6-8C.OMEGAS3 200KW s/R	5-8	160	NG2	OMEGAS 3.0	GIRS12
MINIKIT CNG 5-6-8C.OMEGAS3 200KW s/R	5-8	160	NG2	OMEGAS 3.0	GIRS12