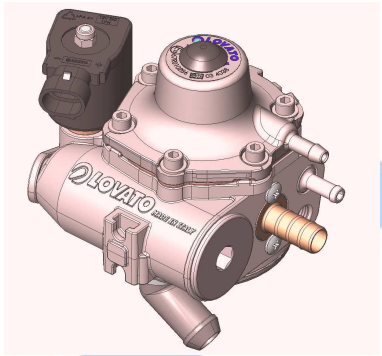
EASY FAST SMART KIT



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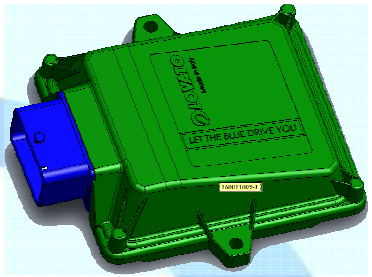
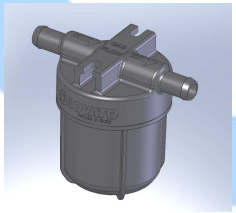


1

3



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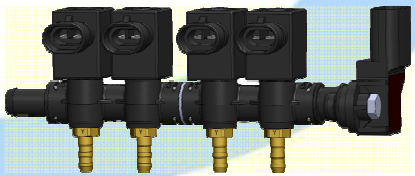

1. MONOPLUG ECU SMART
2. RIDUCER RGJ WITHOUT NTC
3. LOVATO FILTER WITHOUT SENSORS
4. LP INJECTOR (WITH MAINTENANCE) WITH PLASTIC RAIL AND P&T GAS SENSOR (BOSCH OR ELTEK)

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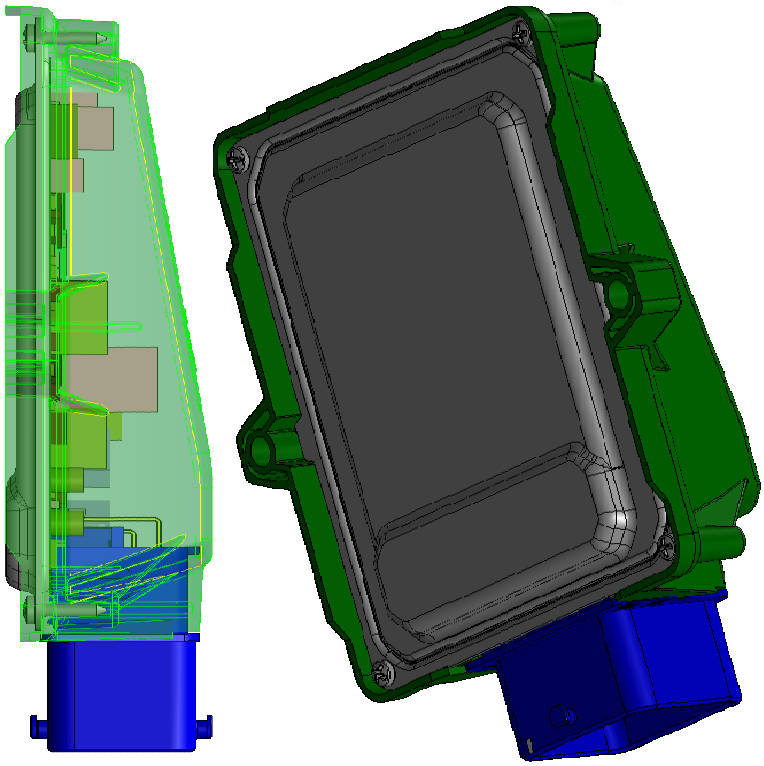
ECU



LOVATO
LET THE BLUE DRIVE YOU

LP INJECTOR

LOVATO
LET THE BLUE DRIVE YOU

Main features

- Power supply: V_{batt} = 9 ÷ 16V
- Operating temperature: -40 ÷ 110°C
- Current consumption without load: $I_{max} \leq 0.5A$
- Current consumption in stand-by: $I_{standby} \leq 5mA$
- Injectors: I_{max} = 6A, $V_{batt,max}$ = 16V
- Gas ElectroValve (2 out): P_{max} = 50W, I_{max} = 4A
- One connector 48 PIN

Sensors

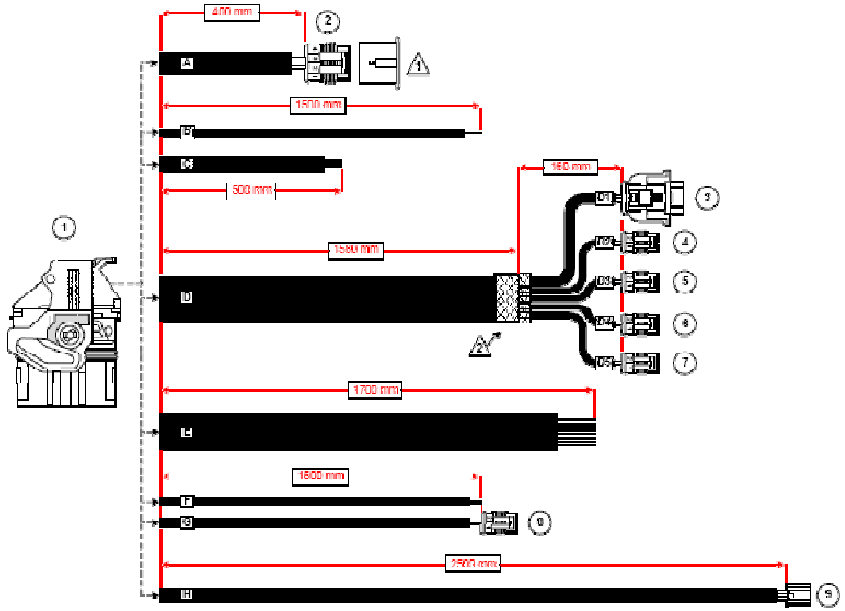
- Gas Pressure Sensor: FSU Lovato Filter, PT Bosch/Eltek
- MAP Sensor: FSU Lovato Filter, Original, Absent
- Gas Temperature Sensor: 4K7, 2k2 (PT Bosch/Eltek)
- Reducer Temperature Sensor: 4K7, Original, Absent
- Level Sensor: 1050 std, Lovato std lpg, 0-90 Ω, not std, inverse not std, std 806/807 (cng)
- Lambda probe (optional): 0-1V, 0-5V, 5-0V, 0.8-1.6V.
- Lambda Emulation (optional)

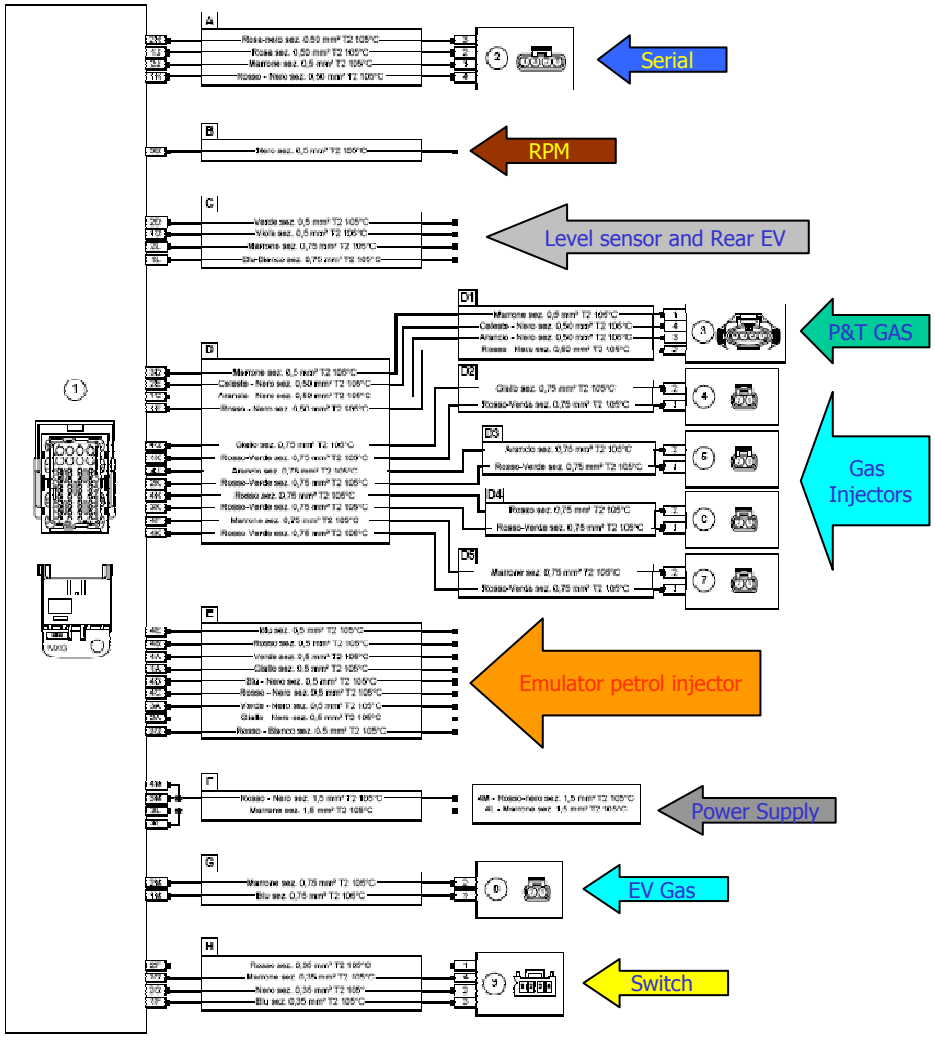
SMART vs PLUS & STD

Functions	SMART	PLUS	STD
K-Mappa 12x12	✓	X	✓
Management petrol addiction	✓	X	✓
Operation without MAP (Vector "*Threshold P_Gas*" setting by software – not visible for installators)	✓	X	X*
Operation with MAP (Note: with SMART ecu, firmware and wiring are dedicated)	✓	✓	✓
Operation without reducer NTC (Vector "*Delay time for gas switching*" setting by software)	✓	X	X*
Operation with reducer NTC (Note: for SMART ecu, wiring is dedicated)	✓	✓	✓
Lambda probe emulation for emission test (Note: for SMART ecu, firmware and wiring are dedicated)	✓	X	✓
Hardware diagnosis (EV and GAS injector)	X	X	✓
Others diagnosis (P&T GAS, switch present, injector petrol wiring, …)	✓	✓	✓
K-LINE and CAN communication (Note: for STD ecu, model OBDII is needed)	X	X	✓

*** Into standard model MAP and Reducer NTC are always presents**

LAYOUT





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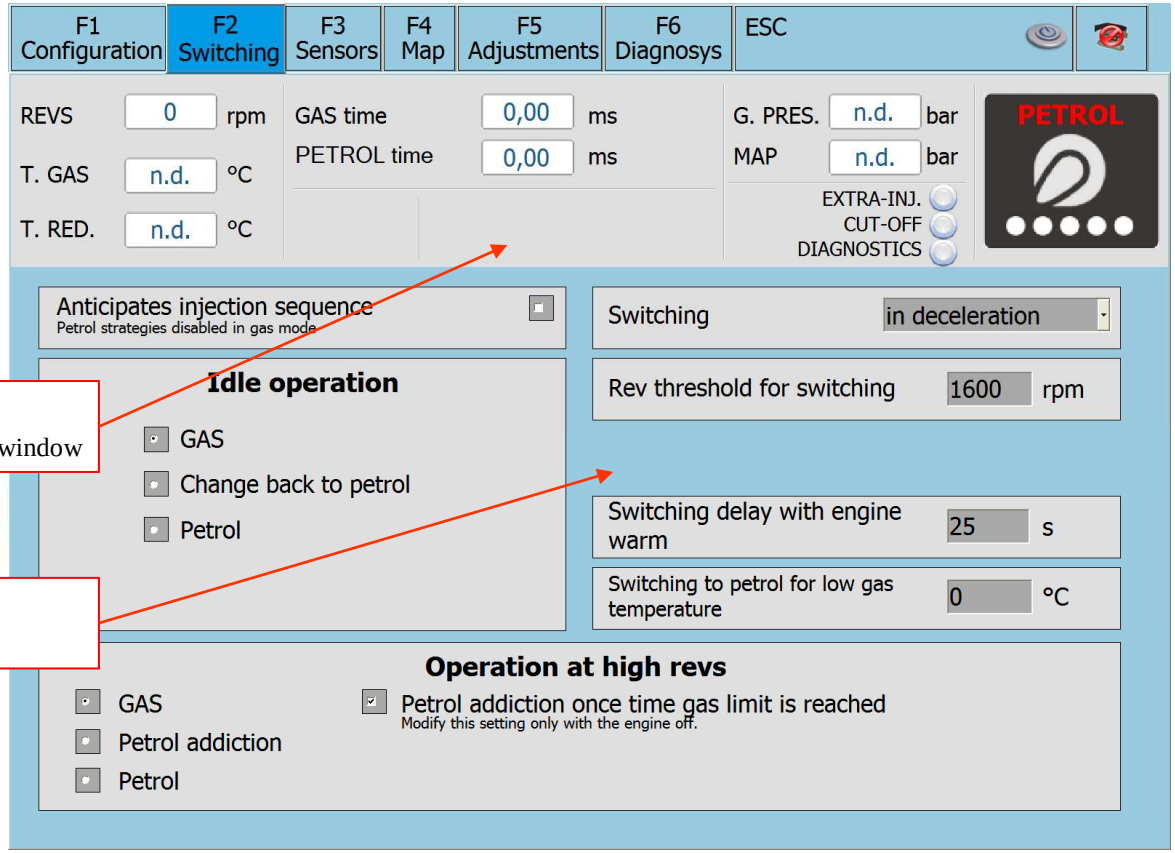
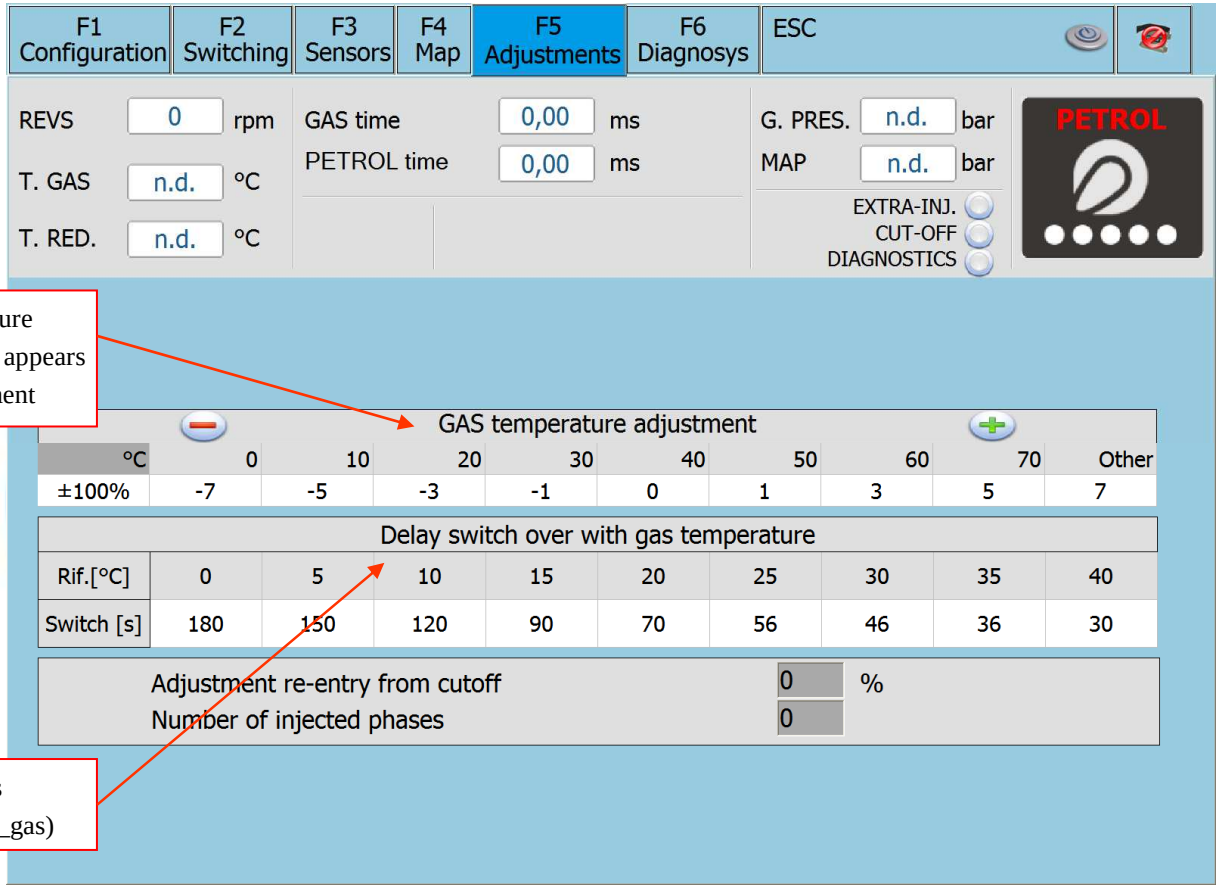
Software modify



T.RED. – MAP – LAMBDA don't appears into high part of window

The temperature threshold for swintching don't appears

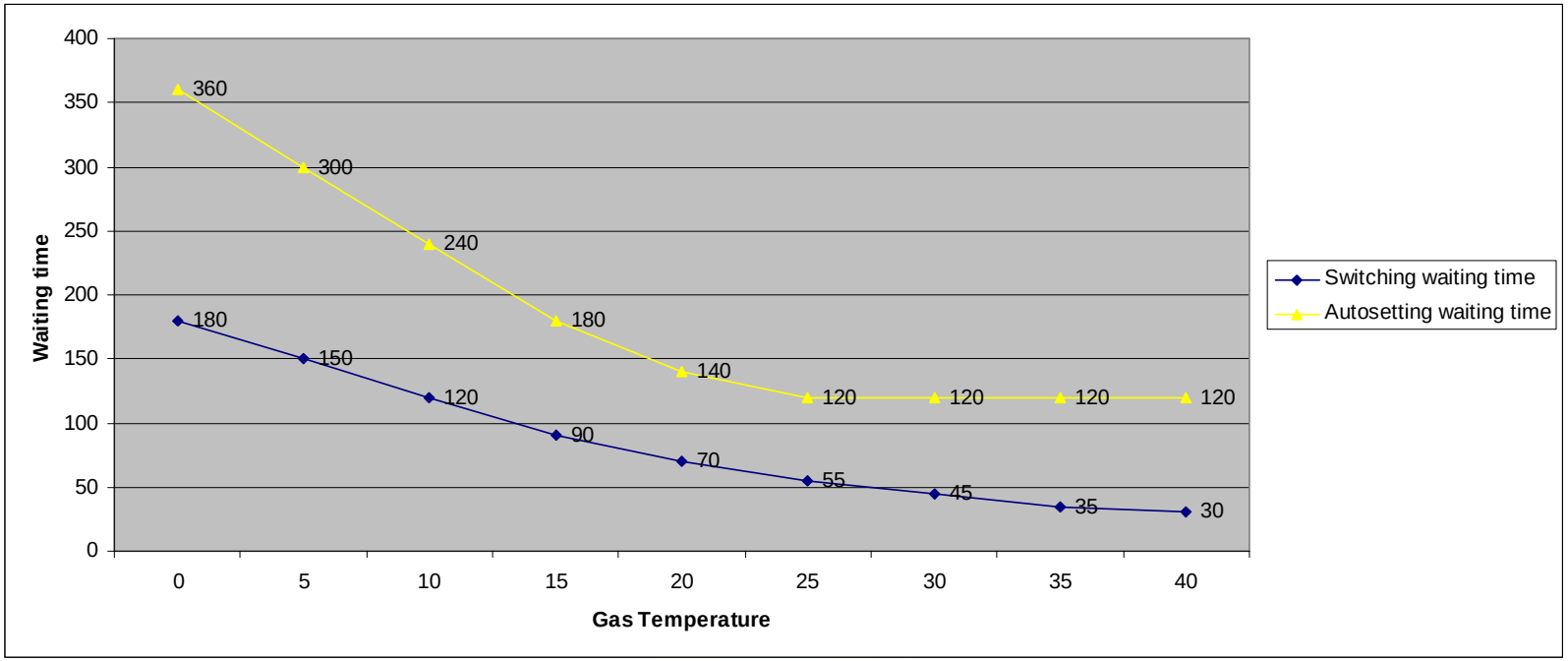
Software modify



The shape of vector for temperature adjustment is different and don't appears the Reducer temperature adjustment

The new vector for delay to gas swhitching appears (delay vs T_gas)

Switching management



Maintenance Injectors kit

1

2

SPAR PARTS

- Spring
- Seat
- O-ring

3

1. MAINTENANCE KIT
2. REVISION KIT
3. LP INJECTOR