

Read out diagnostic system for Koltec EGI / GSI.

De EGI LPG installation from Koltec has a self diagnostic-system which all disturbances will be storages in its memory for a time.

When you have a problem whit the LPG installation, the first you have to do is read out this memory.

This prevents expensive repairs, because the most auto mechanicals don't have knowledge for LPG installations.

Read out this memory is not difficult, and you don't need expensive tools.

Behind de switch for choosing LPG / petrol is a grey wire whit a connector which is not connected.

This wire has to be extended whit a other wire and connected whit the earth (chassis) of the car.

Then you turn on the car key till all light bulbs in the dashboard go on all but don't start the engine.

The light bulb in the LPG/petrol switch goes flashing now.

This flashing is the giving the disturbances if there are.

Example1: 1x flashing, waiting a moment and then 2x flashing behind each other is code 12 = no turning signal for the engine.

Note: This code is correct because we didn't start the engine.(just at older types > 1995)

Example2: 4x flashing, waiting a moment and then 5x flashing behind each other is code 45 = Gas mixture to rich.

Note: this code is coming often if the Vaporiser needs revision.

The diaphragms leaking and the Vaporiser/ pressure regulator don't working well.

Every code will be given 3 times after each other before given a next code.

Codes which can be given:

Code 12	No turning signal for the engine (<i>Vaporiser whitout temperature sensor</i>) (older type >1995)
Code 13	No Lambda sondesignal (lambdasonde or wiring is damaged)
Code 14	Temperature sensor signal to high. (Vaporiser whit temperature sensor)(newer type 1995>)
Code 15	Temperature sensor signal to low. (Vaporiser whit temperature sensor)(newer type 1995>)
Code 21	TPS-signal to high.(TPS = Throttle Position Sensor)
Code 22	TPS-signal to low.
Code 33	MAP-sensor signal to high.
Code 34	MAP-sensor signal to low.
Code 43	Divider/regulator don't working.
Code 45	Gas mixture to rich.(light bulb in switch is flashing by driving the car)

When the gas mixture is to poor, the diagnose system gives no signal because it is thinking the tank is (almost) empty.(light bulb in switch is flashing by driving the car)

If this is this is take a longer time, the system goes automatically to petrol run.

If the system is giving no disturbance code, and the light bulb in the switch doesn't flash by driving the car, the pressures don't need to be checked.