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A DEFECTIVE KNOCK SENSOR ?

The knock sensor is a pretty fragile part. The old knock sensor with the Blue Cable becoma defective on a lot of models :\ So check your knock sensor and if you have a blue cable and the date printed on the cable is somewhere between 1999-2001 (model **ZL01-18-921**) then you might consider replacing it with the **newer ZL02-18-921 model**, which will cost about 100-120€.

This piezzo-ceramical seismic „microphone“ tells the engine management if it „hears“ knocking in a cylinder and tells the EMS to vary the ignition timing in order to reach the optimum ignition which is given by the engine operation map. Therefor it's also possible to run „lower“ gas than your engine was originally made for. You can run normal gas in a premium engine and you can run with premium gas in a premium+ engine without a danger of damaging it.

If a CEL doesn't come up (starting the emergency program) a badly working/defective KS can damage your engine, ruin your gas mileage, cause loss of accelleration etc...

