

Title (en)

METHOD FOR ELECTRIC DIAGNOSIS OF AN INTERNAL COMBUSTION ENGINE OXYGEN SENSOR

Title (de)

METHODE ZUR ELEKTRISCHEN DIAGNOSE EINES SAUERSTOFFSENSORS EINES VERBRENNUNGSMOTORS

Title (fr)

PROCEDE DE DIAGNOSTIC ELECTRIQUE D'UNE SONDE A OXYGENE D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 0946868 A1 19991006 (FR)

Application

EP 97951321 A 19971212

Priority

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Abstract (en)

[origin: FR2757634A1] The invention concerns a method for electric diagnosis of an oxygen sensor of an internal combustion engine functioning on several richness values and in particular on a lean burn, characterised in that it consists in the following steps: monitoring the functioning of the engine and when predetermined functioning conditions are observed in which the richness of the carburetted mixture remains different from the stoichiometry for a sufficient time interval, measuring the voltage level of the signal emitted by said oxygen sensor; comparing this voltage value to a polarisation value and deducing therefrom if said voltage value is substantially equal to the polarisation voltage the existence of a fault in the electric connection of the sensor, or otherwise the absence of fault in the sensor electric connection.

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