

Title (en)

METHOD FOR RESETTING TWO PRESSURE SENSORS IN AN AIR-INTAKE LINE OF AN ENGINE WITH SENSOR FAULT PREVENTION

Title (de)

VERFAHREN ZUM ZURÜCKSETZEN VON ZWEI DRUCKSENSOREN IN EINER LUFTEINLASSLEITUNG EINES MOTORS MIT SENSORFEHLERVORBEUGUNG

Title (fr)

PROCÉDÉ DE RECALAGE DE DEUX CAPTEURS DE PRESSION DANS UNE LIGNE D'ADMISSION D'AIR D'UN MOTEUR AVEC PRÉVENTION D'UN DÉFAUT CAPTEUR

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Application

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Abstract (en)

[origin: WO2017134363A1] The invention concerns a method for resetting at least two pressure sensors (Capatm, Capsural, Capadmi) positioned in an air-intake line of an internal combustion engine, the resetting compensation being calculated for at least one second sensor (Capsural, Capadmi) with respect to a first pressure sensor (Capatm) acting as a reference sensor between the respective pressure measurements of same at a so-called initial temperature of the sensors when the engine is stopped. Before applying the resetting compensation to said at least one second sensor (Capsural, Capadmi), an internal diagnostic step is carried out based on the value of the resetting compensation, consisting or determining whether the resetting compensation exceeds a maximum compensation value, in which case it is diagnosed that one of said at least two sensors is faulty. In this case, application of the resetting compensation is suspended.

IPC 8 full level

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