

Title (en)

VACUUM RINSING OF AN INJECTOR FOR INTERNAL COMBUSTION ENGINES

Title (de)

VAKUUMSPÜLEN EINES INJEKTORS FÜR VERBRENNUNGSMOTOREN

Title (fr)

RINCAGE A VIDE D'UN INJECTEUR DESTINE A DES MOTEURS A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2004088125A1] The invention relates to a method for preparing for use a fuel injection valve for an internal combustion engine, for example for a system of common rail injectors which is at least partially filled with air at a starting moment and is supplied with a liquid substance by means of a connection normally used for fuel supply. The inventive method is characterised in that the internal chamber of the injection valve is brought to a pressure which is lower than the operation pressure in such a way that air bubbles increase the volume thereof with respect to a regular operation volume, and the substance inside the chamber is evacuated at a substantially constant low pressure, said method can be selectively repeated. Said method makes it possible to quickly prepare the injector for operation, notwithstanding the presence of a gaseous air in the liquid substance at the beginning of the process. A corresponding device is also disclosed.

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