Title (en)
METHOD FOR ADJUSTING THE VALVE LIFT OF AN INJECTION VALVE

Title (de)
VERFAHREN ZUR EINSTELLUNG DES VENTILHUBS EINES EINSPRITZVENTILS

Title (fr)
PROCEDE DE REGLAGE DE LA LEVEE DE LA SOUPAPE D'INJECTION

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Application
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Abstract (en)
[origin: DE19932762A1] The invention relates to a method for adjusting the valve lift of an injection valve, in particular, of a fuel-injection valve for mixture-compression, spark-ignited internal combustion engines. The valve has a fuel inlet, an excitable actuating device (1, 2, 26, 35) which is used to displace a valve needle (19) comprising a valve closure member (21), a fixed valve seat (32), configured on a valve seat element (29), with which the valve closure member (21) interacts to open and close the valve and a fuel outlet (33). The valve also has a valve seat support (16), comprising an internal longitudinal cavity (18) for accommodating the valve needle (19). The valve needle (19) executes a lifting stroke between a closed valve position and an open valve position. The valve seat support (16) is preshaped with at least one protuberance (43) which projects radially outwards. In order to adjust the lifting stroke of the valve needle (19), the protuberance (43) is plastically deformed in a radial direction in relation to the longitudinal cavity (18).

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