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mbme28desc-007b

		Aging of oxygen sensor upstream of TWC (G3/3, G/4), correction variable
1	Fault code ( Display on generic scan tool)	P200C Right oxygen sensor upstream of TWC (G3/4) (--) P207F Left oxygen sensor upstream of TWC (G3/3) (--)
2	Fault storage Activation of malfunction indicator lamp for engine diagnosis (EURO3/4) or CHECK ENGINE (MIL) (	after the end of the test period and faults no activation
3	Frequency of the test	continuous
4	Checked signal or status	Lambda control, correction variable exceeded
5	Fault setting conditions Limits for correction variable	approx. ± 1.0 s ($\pm TV$)
6	Test prerequisites	<ul style="list-style-type: none"> - engine speed approx. 750 - 2500 rpm - load approx. 20 - 60 % - Lambda controls enabled - no fault with oxygen sensor heating - three-way catalytic converter temperature greater than 380 °C - no high loading on the activated carbon filter (Lambda greater than 0.4) - no fault in three-way catalytic converter effect - no CAN fault
7		<ul style="list-style-type: none"> • If faults are detected simultaneously for the oxygen sensor upstream and downstream of the TWC, usually only the oxygen sensor downstream of the TWC is defective. • If the oxygen sensor downstream of TWC is defective to the extent that the signal remains just under the control threshold, the lambda control is enriched to a maximum TV. The monitoring device for the correction variable of the oxygen sensor upstream then incorrectly detects a defective oxygen sensor upstream of TWC. • If the correction variable of the oxygen sensor upstream of TWC is exceeded, the oxygen sensor downstream of TWC is monitored further.