

2	Knocking control error	Retarding value too large		
3	Coolant temperature implausible	Coolant temperature of LH implausible		
4	Intake manifold pressure at start implausible	Load encoder DI test value at start too small		
5	Knocking sensor signals implausible	Knocking sensors implausible		
6	Camshaft encoder faulty	Camshaft encoder path faulty		
7	Knocking control evaluation faulty	Control unit DI defective knocking control evaluation		
8	Gearbox switch error (always open)	Gearbox switch overload protection does not close		
9	Gearbox switch error (always closed)	Gearbox switch overload protection does not open		
10	CAN fault	CAN faulty		
11	ROZ coding faulty	Adjustment coupling DI path faulty		
12	TN signal faulty	TN signal path faulty		
15	Ignition power stage 1 error	Ignition power stage 1 path faulty		
16	Ignition power stage 2 error	Ignition power stage 2 path faulty		
17	Crankshaft encoder faulty	Crankshaft encoder path faulty		
18	Synchronization error	Crankshaft magnet not detected		
19	Coding error (only 12-cylinder)	Control unit code faulty		
20	EEPROM error	Control unit DI error memory faulty		
21	Intake manifold pressure in operation implausible	Control unit DI load encoder faulty		
26	DI object faulty	CAN: DI does not transmit		
27	LH object faulty	CAN: no reception from LH		
28	EGAS object faulty	CAN: no reception from EFP/TPM/LLR		
34	Primary voltage monitoring software cylinder 1 faulty	Ignition error cylinder x		
35	Primary voltage monitoring software cylinder 2 faulty	Ignition error cylinder x		
36	Primary voltage monitoring software cylinder 3 faulty	Ignition error cylinder x		
37	Primary voltage monitoring software cylinder 4 faulty	Ignition error cylinder x		
38	Primary voltage monitoring software cylinder 5 faulty	Ignition error cylinder x		
39	Primary voltage monitoring software cylinder 6 faulty	Ignition error cylinder x		
40	Primary voltage monitoring software cylinder 7 faulty	Ignition error cylinder x		
41	Primary voltage monitoring software cylinder 8 faulty	Ignition error cylinder x		
2	Retarding limit reached Bad fuel	Retarding of one or several cylinders	yes	Error permanently stored

	Combustion space coking Mechanical fault signals Damaged combustion space			
3	Coolant temperature implausible Communication with LH faulty	Substitute value	yes	Error can be reset
4	Intake manifold pressure at the start implausible Processor reset Control unit defective	Substitute value	yes	Error can be reset
5	Knocking sensor signals implausible Line break or sensor ground fault Sensor defective Control unit defective	Safety retarding	yes	Error can be reset
6	Camshaft signals implausible Camshaft magnets missing or defective Line break or camshaft encoder ground fault Camshaft encoder defective Fault signals Control unit defective	Safety retarding	yes	Error can be reset
7	Knocking control evaluation implausible Control unit defective	Safety retarding	yes	Error can be reset
8	Gearbox switch interruption Gearbox switch always open or line break Processor reset Control unit defective	Gearbox protection emergency run	yes	