

Fault overview



Note!

- ◆ The following table contains the fault codes for the DME 7.1.1 in V8 naturally aspirated and turbocharged engines and in V6 naturally aspirated engines in the USA. It also includes the codes for countries adhering to the EU4 emission standard and rest of the world countries.
- ◆ In Tiptronic vehicles, the fault memory for the Tiptronic control module may also have to be read out because the Check Engine light can also be switched on from there.

FAULT TYPES AND THEIR MEANINGS

Fault type 1:	Signal implausible/implausible operating range/malfunction (Plaus)
Fault type 2:	Open circuit/no signal (Sig)
Fault type 3:	Short to ground/lower limit value not reached/lean limit (Min)
Fault type 4:	Short to B+/upper limit value exceeded/rich limit (Max)

*: The fault types have a different meaning in the case of misfire faults.

Fault type 1:	Exhaust-related fault after engine start-up
Fault type 3:	Exhaust-related fault during driving
Fault type 4:	Fault causing damage to catalytic converter, CE flashes

STATUS OF CHECK ENGINE LIGHT AND ITS MEANING FOR USA/countries adhering to the EU4 emission standard

CE (MIL)	Check Engine light (Malfunction Indicator Light)
0	CE is off, no fault memory entry
1	CE flashes immediately, fault causing damage to catalytic converter
2	CE permanently lit, fault exhaust-related
3	CE permanently lit after 2 driving cycles
4	CE permanently lit after 5 seconds
5	CE off, fault memory entry, fault output to Scan Tool
6	CE off, fault not exhaust-related
7	Fault caused by short test
11	Fuel supply fault, CE on after 2 driving cycles, higher freeze frame priority
30	CE permanently lit after 3 driving cycles
31	CE permanently lit after 3 driving cycles with misfires or faults causing damage to the catalytic converter after start-up

- 32 CE off, fault memory entry, fault output to Scan Tool after 3 driving cycles
- 33 Fuel supply fault, CE permanently lit after 3 driving cycles, higher freeze frame priority
- 34 Major leak, CE permanently lit after 2 driving cycles, goes out immediately after OK check
Fault memory entry for diagnosis

Fault overview for V8 & V8 Turbo

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Output stage for inlet camshaft adjuster, bank 1		P0010			3/6
Inlet camshaft adjustment, bank 1	P0011				5/5
Camshaft position on bank 1 vis-a-vis crankshaft			P0016	P0016	3/6
Camshaft position on bank 2 vis-a-vis crankshaft			P0018	P0018	3/6
Output stage for inlet camshaft adjuster, bank 2		P0020			3/6
Inlet camshaft adjustment, bank 2	P0021				5/5
Output stage for oxygen sensor heater in front of catalytic converter, bank 1		P0030	P0031	P0032	3/3
Output stage for oxygen sensor heater behind catalytic converter, bank 1		P0036	P0037	P0038	3/3
Oxygen sensors in front of catalytic converter interchanged	P0040				3/3
Output stage for oxygen sensor heater in front of catalytic converter, bank 2		P0050	P0051	P0052	3/3
Output stage for oxygen sensor heater behind catalytic converter, bank 2		P0056	P0057	P0058	3/3

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Pressure sensor signal comparison: boost pressure/ambient pressure	P0069				5/5
Ambient temperature (via CAN from instrument cluster)	P0071	P0074		P0073	5/6
MAF sensor	P0101		P0102	P0103	3/5
Intake air temperature sensor	P0111		P0112	P0113	3/5
Engine temperature sensor		P0116	P0117	P0118	3/5
Accelerator pedal: potentiometer 1	P0121		P0122	P0123	5/5
Intake air temperature sensor				P0127	3/5
Oxygen sensor in front of catalytic converter, bank 1	P0130		P0133		3/3
Oxygen sensor in front of catalytic converter, bank 1, Nernst voltage wire			P0131	P0132	3/3
Oxygen sensor in front of catalytic converter, bank 1, pumping voltage wire	P0134	P0134		P0134	3/3
Oxygen sensor heater in front of catalytic converter, bank 1	P0135	P0135	P0135	P0135	3/3
Oxygen sensor behind catalytic converter, bank 1	P0136	P0140	P0137	P0138	3/3
Oxygen sensor holder behind catalytic converter, bank 1			P0139	P0139	3/3
Oxygen sensor heater behind catalytic converter, bank 1	P0141				3/5
Oxygen sensor in front of catalytic converter, bank 2	P0150		P0153		3/3

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Oxygen sensor in front of catalytic converter, bank 2, Nernst voltage wire			P0151	P0152	3/3
Oxygen sensor in front of catalytic converter, bank 2, pumping voltage wire	P0154	P0154		P0154	3/3
Oxygen sensor heater in front of catalytic converter, bank 2	P0155	P0155	P0155	P0155	3/3
Oxygen sensor behind catalytic converter, bank 2	P0156	P0160	P0157	P0158	3/3
Oxygen sensor holder behind catalytic converter, bank 2			P0159	P0159	3/3
Oxygen sensor heater behind catalytic converter, bank 2	P0161				3/5
Oil temperature sensor		P0199	P0197	P0198	6/6
Injection valve on cylinder 1		P0201			3/3
Injection valve on cylinder 2		P0202			3/3
Injection valve on cylinder 3		P0203			3/3
Injection valve on cylinder 4		P0204			3/3
Injection valve on cylinder 5		P0205			3/3
Injection valve on cylinder 6		P0206			3/3
Injection valve on cylinder 7		P0207			3/3
Injection valve on cylinder 8		P0208			3/3
Maximum speed exceeded				P0219	6/6
Accelerator pedal: potentiometer 2	P0221		P0222	P0223	5/5
Output stage for fuel pump relay 1		P0230	P0230	P0230	5/5

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Boost pressure control: control limit exceeded				P0234	5/5
Boost-pressure sensor	P0236		P0237	P0238	5/5
Output stage for boost pressure control valve		P0243	P0245	P0246	5/5
Injection valve on cylinder 1			P0261	P0262	3/3
Injection valve on cylinder 2			P0264	P0265	3/3
Injection valve on cylinder 3			P0267	P0268	3/3
Injection valve on cylinder 4			P0270	P0271	3/3
Injection valve on cylinder 5			P0273	P0274	3/3
Injection valve on cylinder 6			P0276	P0277	3/3
Injection valve on cylinder 7			P0279	P0280	3/3
Injection valve on cylinder 8			P0282	P0283	3/3
Boost pressure control deviation			P0299		5/5
Totals fault in misfire detection	P0300*		P0300*	P0300*	1 - 2 / 1 - 2
Misfire detection in cylinder 1	P0301*		P0301*	P0301*	1 - 2 / 1 - 2
Misfire detection in cylinder 2	P0302*		P0302*	P0302*	1 - 2 / 1 - 2
Misfire detection in cylinder 3	P0303*		P0303*	P0303*	1 - 2 / 1 - 2
Misfire detection in cylinder 4	P0304*		P0304*	P0304*	1 - 2 / 1 - 2
Misfire detection in cylinder 5	P0305*		P0305*	P0305*	1 - 2 / 1 - 2
Misfire detection in cylinder 6	P0306*		P0306*	P0306*	1 - 2 / 1 - 2
Misfire detection in cylinder 7	P0307*		P0307*	P0307*	1 - 2 / 1 - 2
Misfire detection in cylinder 8	P0308*		P0308*	P0308*	1 - 2 / 1 - 2

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Knock control – zero test	P0324				5/6
Knock sensor 1			P0327	P0328	5/6
Knock sensor 2			P0332	P0333	5/6
Engine speed signal transmitter		P0335			3/5
Crankshaft position sensor	P0336	P0339	P0337	P0338	3/5
Hall sender 1	P0341	P0344	P0342	P0343	3/5
Hall sender 2	P0346	P0349	P0347	P0348	3/5
Bar ignition module on cylinder 1		P0351	P0351	P0351	3/5
Bar ignition module on cylinder 2		P0352	P0352	P0352	3/5
Bar ignition module on cylinder 3		P0353	P0353	P0353	3/5
Bar ignition module on cylinder 4		P0354	P0354	P0354	3/5
Bar ignition module on cylinder 5		P0355	P0355	P0355	3/5
Bar ignition module on cylinder 6		P0356	P0356	P0356	3/5
Bar ignition module on cylinder 7		P0357	P0357	P0357	3/5
Bar ignition module on cylinder 8		P0358	P0358	P0358	3/5
Output stage for secondary air pump relay, bank 1		P0418			3/5
Output stage for secondary air pump relay, bank 2		P0419			3/5
Catalytic conversion, bank 1				P0420	3/3
Pre-catalytic conversion, bank 1				P0421	3/3
Catalytic conversion, bank 2				P0430	3/3
Pre-catalytic conversion, bank 2				P0431	3/3
Tank system			P0441	P0441	3/6

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Tank system (minor leak)				P0442	3/0
Tank valve output stage		P0444	P0445	P0445	3/3
Tank diagnosis – active carbon filter shut-off valve blocked			P0446		3/0
Output stage for active carbon filter shut-off valve		P0447	P0448	P0448	3/0
Tank system (major leak)			P0455		34
Tank system (minor leak)			P0456		3/0
Output stage for fan control 1		P0480	P0480	P0480	6/6
Output stage for fan control 2		P0481	P0481	P0481	6/6
Secondary air system, bank 1			P0491		3/5
Secondary air system, bank 2			P0492		3/5
Fan stiff		P0494	P0494	P0494	6/6
Vehicle speed signal (up to MY 04)		P0501			3/6
Vehicle speed signal (as of MY 05)	P0501	P0503	P0502	P0503	3/6
Idle speed control at stop			P0506	P0507	3/5
Immobiliser	P0513				5/5
Supply voltage	P0560		P0562	P0563	3/5
Cruise control – operating lever fault	P0564				6/6
Stop light switch	P0571				6/6
CAN timeout – Tiptronic		P0600			3/6
Checksum fault control module	P0601				4/4
Control module coded incorrectly (transmission coding)	P0602				4/4
Control module faulty	P0603				6/6
Control module faulty	P0604				5/5

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Control module faulty	P0605				5/5
Control module faulty	P0606	P0606	P0606		3/3 or 6/6
Control module faulty	P0607	P0607			5/5
Throttle adjusting unit: spring check			P0638	P0638	4/4
Main relay		P0685	P0686	P0687	5/5
CE light on as a result of transmission fault	P0700				6/6
Clutch switch	P0830				5/5
MAF sensor (HFM1): electrical fault			P1090	P1091	3/5
MAF sensor (HFM2): electrical fault			P1092	P1093	3/5
Mass air flow in front of throttle (HFM1) implausi- ble	P1095	P1096	P1097	P1098	3/5
Mass air flow in front of throttle (HFM2) implausi- ble	P1095	P1096	P1099	P1100	3/5
Oxygen sensing adapta- tion in lower load range, bank 1 (FRAU1)			P1107 (=P2178)	P1126 (=P2177)	11/11
Oxygen sensing adapta- tion in lower load range, bank 2 (FRAU2)			P1108 (=P2180)	P1133 (=P2179)	11/11
Deviation in oxygen sensing as a result of short test, bank 1			P1127	P1142	7/7
Deviation in oxygen sensing as a result of short test, bank 2			P1134	P1143	7/7
Oxygen sensor in front of catalytic converter, bank 1				P1145	3/3
Oxygen sensor in front of catalytic converter, bank 2				P1155	3/3
Intake air temperature sensor			P1175		3/5
Output stage for posi- tive crankcase ventila- tion heater		P1182	P1181	P1180	6/6

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Function monitoring of safety fuel cutoff	P1266				4/4
Offset knock control	P1385				5/6
Test pulse knock control	P1386				5/6
Output stage for brake booster pump		P1429	P1428	P1427	5/6
Brake booster system	P1431				5/6
Throttle adjusting unit: emergency air position	P1504				6/6
Throttle adjusting unit: booster compensation	P1507				6/6
Function monitoring of torque comparison	P1508				4/4
Torque limit				P1509	5/6
Throttle adjusting unit: lower mechanical stop	P1514				6/6
Throttle adjusting unit: interruption check due to violated environmental conditions			P1511	P1517	6/6
Vehicle electrical system voltage via main relay	P1525	P1525			6/6
Function monitoring of speed	P1550				4/4
Function monitoring of load sensor	P1551				4/4
Function monitoring of control module fault, group a	P1552				4/4
Function monitoring of control module fault, group b	P1553				4/4
Function monitoring of accelerator pedal module	P1554				4/4
Movement of accelerator pedal module	P1575				6/6
CAN timeout – PSM		P1600			6/6
CAN timeout – instrument		P1601			6/6

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
CAN timeout – airbag		P1603			6/6
CAN – implausible signal from airbag	P1604				6/6
CAN – all-wheel message	P1605		P1605		6/6
CAN timeout – ASR/MSR	P1606				6/6
CAN – cruise control	P1608		P1608	P1608	6/6
CAN – internal fault		P1609			6/6
CAN timeout – air-conditioning system		P1610			6/6
CAN timeout – vehicle electrical system control module		P1613			6/6
CAN timeout - steering angle sensor		P1614			6/6
CAN timeout – level control	P1615	P1615	P1615	P1615	6/6
CAN timeout, ignition lock	P1616				6/6
Monitoring of crash signal	P1620	P1620		P1620	6/6
CAN message counter – transmission fault	P1621				6/6
CAN – implausible signal from Tiptronic control module	P1622				6/6
Output stage for ambient air valve		P1657	P1659	P1658	6/6
Ambient air valve	P1666				6/6
Pressure sensor for brake booster	P1914	P1914	P1913	P1912	6/6
Relay output stage for auxiliary water pump		P1917	P1916	P1915	6/6
Inlet camshaft output stage, bank 1		P2089	P2088	P2089	3/3
Inlet camshaft output stage, bank 2		P2093	P2092	P2093	3/3
Output stage for throttle adjusting unit	P2100				4/4
Throttle adjusting unit	P2101		P2102	P2103	4/4

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Throttle adjusting unit – lower mechanical stop	P2108				4/4
Throttle adjusting unit – open spring check			P2119	P2119	4/4
Throttle adjusting unit potentiometer 1	P2121		P2122	P2123	5/5
Throttle adjusting unit potentiometer 2	P2126		P2127	P2128	5/5
Accelerator pedal module/accelerator pedal	P2135				5/5
Throttle	P2138				5/5
Recording cylinder-fill input quantities			P2174	P2172	5/5
Throttle adjusting unit (replacement detection without adaptation)	P2176				4/4
Oxygen sensing adaptation in lower load range, bank 1 (FRAU1)			P2178	P2177	11/11
Oxygen sensing adaptation in lower load range, bank 2 (FRAU2)			P2180	P2179	11/11
Thermostat blocked	P2181				3/6
Oxygen sensing adaptation in idling range, bank 1 (RKAT1)			P2188	P2187	11/11
Oxygen sensing adaptation in idling range, bank 2 (RKAT2)			P2190	P2189	11/11
Oxygen sensing adaptation in upper load range, bank 1 (FRAO1)			P2192	P2191	11/11
Oxygen sensing adaptation in upper load range, bank 2 (FRAO2)			P2194	P2193	11/11
Ambient pressure sensor	P2227	P2230	P2228	P2229	3/5
Oxygen sensor in front of catalytic converter, bank 1		P2231			3/3
Oxygen sensor in front of catalytic converter, bank 2		P2234			3/3

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Oxygen sensor in front of catalytic converter, bank 1, Nernst voltage wire		P2243	P2245	P2246	3/3
Oxygen sensor in front of catalytic converter, bank 2, Nernst voltage wire		P2247	P2249	P2250	3/3
Oxygen sensor in front of catalytic converter, bank 1, virtual ground wire		P2251	P2252	P2253	3/3
Oxygen sensor in front of catalytic converter, bank 2, virtual ground wire		P2254	P2255	P2256	3/3
Output stage for secondary air pump relay, bank 1			P2257	P2258	3/5
Output stage for secondary air pump relay, bank 2			P2259	P2260	3/5
Leak in front of throttle			P2281	P2281	6/6
Output stage for leak diagnosis pump		P2400	P2401	P2402	3/0
Reed switch for leak diagnosis pump			P2404	P2403	3/0
Oxygen sensor in front of catalytic converter, bank 1, pumping voltage wire		P2626	P2627	P2628	3/3
Oxygen sensor in front of catalytic converter, bank 2, pumping voltage wire		P2629	P2630	P2631	3/3
Output stage for fuel pump relay 2		P2632	P2632	P2632	5/5
Engine temperature sensor	P3081				3/5

Fault overview for Cayenne V6

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Output stage for inlet camshaft adjuster		P0010			3/6
Inlet camshaft adjustment	P0011		P0011	P0011	5/5
Output stage for exhaust camshaft adjuster		P0013			3/6
Exhaust camshaft adjustment	P0014		P0014	P0014	3/6
Inlet camshaft position vis-a-vis crankshaft			P0016	P0016	3/6
Exhaust camshaft position vis-a-vis crankshaft			P0017	P0017	3/6
Output stage for oxygen sensor heater in front of catalytic converter, bank 1		P0030	P0031	P0032	3/3
Output stage for oxygen sensor heater behind catalytic converter, bank 1		P0036	P0037	P0038	3/3
Oxygen sensors in front of catalytic converter interchanged	P0040				3/3
Output stage for oxygen sensor heater in front of catalytic converter, bank 2		P0050	P0051	P0052	3/3
Output stage for oxygen sensor heater behind catalytic converter, bank 2		P0056	P0057	P0058	3/3
Ambient temperature (via CAN from instrument cluster)	P0071	P0074		P0073	5/6
Intake air temperature sensor	P0111		P0112	P0113	3/5
Coolant temperature sensor		P0116	P0117	P0118	3/5
Accelerator pedal: potentiometer 1	P0121		P0122	P0123	5/5

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Intake air temperature sensor				P0127	3/5
Oxygen sensor in front of catalytic converter, bank 1	P0130		P0133		3/3
Oxygen sensor in front of catalytic converter, bank 1, Nernst voltage wire			P0131	P0132	3/3
Oxygen sensor in front of catalytic converter, bank 1, pumping voltage wire	P0134	P0134		P0134	3/3
Oxygen sensor heater in front of catalytic converter, bank 1	P0135	P0135	P0135	P0135	3/3
Oxygen sensor behind catalytic converter, bank 1	P0136	P0140	P0137	P0138	3/3
Oxygen sensor holder behind catalytic converter, bank 1			P0139	P0139	3/3
Oxygen sensor heater behind catalytic converter, bank 1	P0141				3/5
Oxygen sensor in front of catalytic converter, bank 2	P0150		P0153		3/3
Oxygen sensor in front of catalytic converter, bank 2, Nernst voltage wire			P0151	P0152	3/3
Oxygen sensor in front of catalytic converter, bank 2, pumping voltage wire	P0154	P0154		P0154	3/3
Oxygen sensor heater in front of catalytic converter, bank 2	P0155	P0155	P0155	P0155	3/3
Oxygen sensor behind catalytic converter, bank 2	P0156	P0160	P0157	P0158	3/3
Oxygen sensor holder behind catalytic converter, bank 2			P0159	P0159	3/3

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Oxygen sensor heater behind catalytic converter, bank 2	P0161				3/5
Oil temperature sensor		P0199	P0197	P0198	6/6
Injection valve on cylinder 1		P0201			3/3
Injection valve on cylinder 2		P0202			3/3
Injection valve on cylinder 3		P0203			3/3
Injection valve on cylinder 4		P0204			3/3
Injection valve on cylinder 5		P0205			3/3
Injection valve on cylinder 6		P0206			3/3
Maximum speed exceeded				P0219	6/6
Accelerator pedal: potentiometer 2	P0221		P0222	P0223	5/5
Output stage for fuel pump relay 1		P0230	P0230	P0230	5/5
Injection valve on cylinder 1			P0261	P0262	3/3
Injection valve on cylinder 2			P0264	P0265	3/3
Injection valve on cylinder 3			P0267	P0268	3/3
Injection valve on cylinder 4			P0270	P0271	3/3
Injection valve on cylinder 5			P0273	P0274	3/3
Injection valve on cylinder 6			P0276	P0277	3/3
Totals fault in misfire detection	P0300*		P0300*	P0300*	1 - 2 / 1 - 2
Misfire detection in cylinder 1	P0301*		P0301*	P0301*	1 - 2 / 1 - 2
Misfire detection in cylinder 2	P0302*		P0302*	P0302*	1 - 2 / 1 - 2
Misfire detection in cylinder 3	P0303*		P0303*	P0303*	1 - 2 / 1 - 2

Fault text	Fault type 1 Plaus	Fault type 2 Sig	Fault type 3 Min	Fault type 4 Max	CE status USA/EU4
Misfire detection in cylinder 4	P0304*		P0304*	P0304*	1 - 2 / 1 - 2
Misfire detection in cylinder 5	P0305*		P0305*	P0305*	1 - 2 / 1 - 2
Misfire detection in cylinder 6	P0306*		P0306*	P0306*	1 - 2 / 1 - 2
Knock control – zero test	P0324				5/6
Knock sensor 1			P0327	P0328	5/6
Knock sensor 2			P0332	P0333	5/6
Crankshaft sensor		P0335			3/5
Crankshaft sensor	P0336	P0339	P0337	P0338	3/5
Inlet camshaft sensor	P0341	P0344	P0342	P0343	3/5
Bar ignition module on cylinder 1		P0351	P0351	P0351	3/5
Bar ignition module on cylinder 2		P0352	P0352	P0352	3/5
Bar ignition module on cylinder 3		P0353	P0353	P0353	3/5
Bar ignition module on cylinder 4		P0354	P0354	P0354	3/5
Bar ignition module on cylinder 5		P0355	P0355	P0355	3/5
Bar ignition module on cylinder 6		P0356	P0356	P0356	3/5
Exhaust camshaft sensor	P0366	P0369	P0367	P0368	3/5
Secondary air valve	P0413	P0413	P0414	P0414	3/5
Output stage for secondary air pump relay		P0418			3/5
Pre-catalytic conversion, bank 1				P0421	3/3
Pre-catalytic conversion, bank 2				P0431	3/3
Tank system			P0441	P0441	3/6
Tank system (minor leak)				P0442	3/0
Tank valve output stage		P0444	P0445	P0445	3/3
Tank diagnosis – active carbon filter shut-off valve blocked	P0446				3/0

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Output stage for active carbon filter shut-off valve		P0447	P0448	P0448	3/0
Tank system (major leak)			P0455		34
Tank system (minor leak)			P0456		3/0
Output stage for fan control 1		P0480	P0480	P0480	6/6
Output stage for fan control 2		P0481	P0481	P0481	6/6
Secondary air system, bank 1			P0491		3/5
Secondary air system, bank 2			P0492		3/5
Fan stiff		P0494	P0494	P0494	6/6
Vehicle speed signal (up to MY 04)		P0501			3/6
Vehicle speed signal (as of MY 05)	P0501	P0503	P0502	P0503	3/6
Idle speed control at stop			P0506	P0507	3/5
Immobiliser	P0513	P0513			5/5
Supply voltage	P0560		P0562	P0563	3/5
Cruise control – operating lever fault	P0564	P0564	P0564	P0564	6/6
Stop light switch	P0571				6/6
CAN timeout – Tiptronic	P0600	P0600			3/6
Checksum fault control module	P0601				4/4
Control module coded incorrectly (transmission coding)				P0602	4/4
Control module faulty	P0603				6/6
Control module faulty	P0604				5/5
Control module faulty	P0605				5/5
Control module faulty	P0606	P0606	P0606		3/3 or 6/6
Control module faulty	P0607				5/5
Throttle adjusting unit: spring check			P0638	P0638	4/4

Fault text	Fault type 1 Plaus	Fault type 2 Sig	Fault type 3 Min	Fault type 4 Max	CE status USA/EU4
Intake pipe switch-over valve		P0660	P0661	P0662	
Main relay		P0685	P0686	P0687	5/5
CE light on as a result of transmission fault	P0700				6/6
Clutch switch		P0830			5/5
Oxygen sensors behind catalytic converter interchanged	P1009				3/6
Mass air flow sensor (MAF): electrical fault			P1090	P1091	3/5
Mass air flow in front of throttle (HFM) implausible	P1094				3/5
Mass air flow in front of throttle (HFM) implausible	P1095	P1096	P1097	P1098	3/5
Oxygen sensing adaptation in lower load range, bank 1 (FRAU1)			P1107 (=P2178)	P1126 (=P2177)	11/11
Oxygen sensing adaptation in lower load range, bank 2 (FRAU2)			P1108 (=P2180)	P1133 (=P2179)	11/11
Deviation in oxygen sensing as a result of short test, bank 1			P1127	P1142	7/7
Deviation in oxygen sensing as a result of short test, bank 2			P1134	P1143	7/7
Oxygen sensor in front of catalytic converter, bank 1				P1145	3/3
Oxygen sensor in front of catalytic converter, bank 2				P1155	3/3
Intake air temperature sensor			P1175		3/5
Output stage for positive crankcase ventilation heater		P1182	P1181	P1180	6/6
Function monitoring of safety fuel cutoff	P1266				4/4
Offset knock control	P1385				5/6

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Test pulse knock control	P1386				5/6
Brake booster system	P1431				5/6
Throttle adjusting unit: emergency air position	P1504				6/6
Throttle adjusting unit: booster compensation	P1507				6/6
Function monitoring of torque comparison	P1508				4/4
Torque limit				P1509	5/6
Throttle adjusting unit: lower mechanical stop	P1514				6/6
Throttle adjusting unit: interruption check due to violated environmental conditions			P1511	P1517	6/6
Check fuel supply system on the left side in the direction of travel				P1522	6/6
Check fuel supply system on the right side in the direction of travel				P1523	6/6
Vehicle electrical system voltage via main relay	P1525	P1525			6/6
Function monitoring of speed	P1550				4/4
Function monitoring of load sensor	P1551				4/4
Function monitoring of control module fault, group a	P1552				4/4
Function monitoring of control module fault, group b	P1553				4/4
Function monitoring of accelerator pedal module	P1554				4/4
Movement of accelerator pedal module	P1575				6/6
CAN timeout – PSM		P1600			6/6
CAN timeout – instrument		P1601			6/6

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
CAN timeout – airbag	P1603	P1603			6/6
CAN – implausible signal from airbag	P1604				6/6
CAN – all-wheel message	P1605	P1605	P1605		6/6
CAN timeout – ASR/MSR	P1606	P1606			6/6
CAN – cruise control	P1608	P1608		P1608	6/6
CAN – internal fault		P1609			6/6
CAN timeout – air-conditioning system	P1610				6/6
CAN timeout – vehicle electrical system control module	P1613				6/6
CAN timeout - steering angle sensor	P1614				6/6
CAN timeout – level control	P1615	P1615	P1615	P1615	6/6
CAN timeout – ignition lock	P1616				6/6
Monitoring of crash signal	P1620	P1620		P1620	6/6
CAN message counter – transmission fault	P1621				6/6
CAN – implausible signal from Tiptronic control module	P1622	P1622			6/6
Pressure sensor for brake booster	P1914	P1914	P1913	P1912	6/6
Relay output stage for auxiliary water pump		P1917	P1916	P1915	6/6
Output stage for inlet camshaft adjuster			P2088	P2089	3/3
Output stage for exhaust camshaft adjuster			P2090	P2091	3/3
Output stage for throttle adjusting unit	P2100				4/4
Throttle adjusting unit	P2101		P2102	P2103	4/4
Throttle adjusting unit – lower mechanical stop	P2108				4/4

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Throttle adjusting unit – open spring check			P2119	P2119	4/4
Throttle adjusting unit potentiometer 1	P2121		P2122	P2123	5/5
Throttle adjusting unit potentiometer 2	P2126		P2127	P2128	5/5
Accelerator pedal module/accelerator pedal	P2135				5/5
Throttle	P2138				5/5
Recording cylinder-fill input quantities			P2174	P2172	5/5
Throttle adjusting unit (replacement detection without adaptation)	P2176				4/4
Oxygen sensing adaptation in lower load range, bank 1 (FRAU1)			P2178	P2177	11/11
Oxygen sensing adaptation in lower load range, bank 2 (FRAU2)			P2180	P2179	11/11
Thermostat blocked	P2181				3/6
Oxygen sensing adaptation in idling range, bank 1 (RKAT1)			P2188	P2187	11/11
Oxygen sensing adaptation in idling range, bank 2 (RKAT2)			P2190	P2189	11/11
Oxygen sensing adaptation in upper load range, bank 1 (FRAO1)			P2192	P2191	11/11
Oxygen sensing adaptation in upper load range, bank 2 (FRAO2)			P2194	P2193	11/11
Ambient pressure sensor	P2227	P2230	P2228	P2229	3/5
Oxygen sensor in front of catalytic converter, bank 1		P2231			3/3
Oxygen sensor in front of catalytic converter, bank 2		P2234			3/3

<i>Fault text</i>	<i>Fault type 1 Plaus</i>	<i>Fault type 2 Sig</i>	<i>Fault type 3 Min</i>	<i>Fault type 4 Max</i>	<i>CE status USA/EU4</i>
Oxygen sensor in front of catalytic converter, bank 1, Nernst voltage wire		P2243	P2245	P2246	3/3
Oxygen sensor in front of catalytic converter, bank 2, Nernst voltage wire		P2247	P2249	P2250	3/3
Oxygen sensor in front of catalytic converter, bank 1, virtual ground wire		P2251	P2252	P2253	3/3
Oxygen sensor in front of catalytic converter, bank 2, virtual ground wire		P2254	P2255	P2256	3/3
Output stage for secondary air pump relay, bank 1			P2257	P2258	3/5
Output stage for leak diagnosis pump		P2400	P2401	P2402	3/0
Reed switch for leak diagnosis pump			P2403	P2404	3/0
Oxygen sensor in front of catalytic converter, bank 1, pumping voltage wire		P2626	P2627	P2628	3/3
Oxygen sensor in front of catalytic converter, bank 2, pumping voltage wire		P2629	P2630	P2631	3/3
Output stage for fuel pump relay 2		P2632	P2632	P2632	5/5
Engine temperature sensor	P3081				3/5