

serial No.	Functional modules	Failure path	Pcode	Type	Description of DTC
ECU FAULT "P" CODES					
1	Camshaft position sensor	DFC_EpmCa1	P0341	00	Camshaft signal error
2	Crankshaft position sensor	DFC_EpmCrs	P0322	00	Crankshaft signal error
3	Inlet pressure sensor	DFC_DSSMax	P0108	17	Manifold Absolute Pressure Circuit High
4		DFC_DSSMin	P0107	16	Manifold Absolute Pressure Circuit Low
5		DFC_DSSNpl	P0106	29	Manifold Absolute Pressure Circuit Range/Performance
6		DFC_DSSTSig	P0105	23	Manifold Absolute Pressure Circuit
7	Environmental pressure sensor	DFC_DSUMax	P006D	17	Barometric Pressure
8		DFC_DSUMin	P006D	16	Barometric Pressure
9	Inlet air temperature sensor	DFC_TAMax	P0113	17	Intake Air Temperature Sensor 1 Circuit High
10		DFC_TAMin	P0112	16	Intake Air Temperature Sensor 1 Circuit Low
11	Coolant temperature sensor	DFC_TMMMax	P0118	17	Engine Coolant Temperature Sensor 1 Circuit High
12		DFC_TMMin	P0117	16	Engine Coolant Temperature Sensor 1 Circuit Low
13		DFC_TMNpl	P0116	29	Engine Coolant Temperature Sensor 1 Circuit Range/Performance
14	Main relay	DFC_UBRSig	P0688	16	ECM/PCM Power Relay Sense Circuit/Open
15		DFC_UBRNpl	P0688	29	ECM/PCM Power Relay Sense Circuit/Open
16	MILL light control	DFC_MILLmpSCG_C	P0650	12	Malfunction Indicator Lamp (MIL) Control Circuit
17		DFC_MILLmpSCB_C	P0650	11	Malfunction Indicator Lamp (MIL) Control Circuit
18		DFC_MILLmpOL_C	P0650	13	Malfunction Indicator Lamp (MIL) Control Circuit
19	Fuel pump relay	DFC_EKPMMax	P0629	12	Fuel Pump "A" Control Circuit High
20		DFC_EKPMin	P0628	11	Fuel Pump "A" Control Circuit Low
21		DFC_EKPSTSig	P0627	13	Fuel Pump "A" Control Circuit /Open
22	Carbon canister control "purge" valve	DFC_TEVEmax	P0459	12	Evaporative Emission System Purge Control Valve Circuit High
23		DFC_TEVEmin	P0458	11	Evaporative Emission System Purge Control Valve Circuit Low
24		DFC_TEVESig	P0444	13	Evaporative Emission System Purge Control Valve Circuit Open
25	Injector	DFC_EV1Max	P0262	12	Cylinder 2 primary Injector Circuit High
26		DFC_EV1Min	P0261	11	Cylinder 2 primary Injector Circuit Low
27		DFC_EV1Sig	P0201	13	Cylinder 2 primary Injector Circuit/Open
28		DFC_EV2Max	P0268	12	Cylinder 2 secondary Injector Circuit High
29		DFC_EV2Min	P0267	11	Cylinder 2 secondary Injector Circuit Low
30		DFC_EV2Sig	P0203	13	Cylinder 2 secondary Injector Circuit/Open
31		DFC_EV3Max	P0271	12	Cylinder 1 primary Injector Circuit High
32		DFC_EV3Min	P0270	11	Cylinder 1 primary Injector Circuit Low
33		DFC_EV3Sig	P0204	13	Cylinder 1 primary Injector Circuit/Open

34		DFC_EV4Max	P0265	12	Cylinder 1 secondary Injector Circuit High
35		DFC_EV4Min	P0264	11	Cylinder 1 secondary Injector Circuit Low
36		DFC_EV4Sig	P0202	13	Cylinder 1 secondary Injector Circuit/Open
37	Engine speed	DFC_NXMax	P0219	00	Engine max speed exceeded
38	Battery voltage	DFC_UBmax	P0563	17	System Voltage High
39		DFC_UBmin	P0562	16	System Voltage Low
40		DFC_UBnpl	P0560	1C	System Voltage Not plausible
41	Misfire diagnosis ignition sequence 1- 3-4-2	DFC_MD00Max_C	P0301	00	Misfire detected on cylinder 1
42		DFC_MD00Min_C	P0301	00	Misfire detected on cylinder 1
43		DFC_MD00Npl_C	P0301	00	Misfire detected on cylinder 1
44		DFC_MD02Max_C	P0304	00	Misfire detected on cylinder 2
45		DFC_MD02Min_C	P0304	00	Misfire detected on cylinder 2
46		DFC_MD02Npl_C	P0304	00	Misfire detected on cylinder 2
47		DFC_MDMax_C	P0300	00	Misfire detected
48		DFC_MDMin_C	P0300	00	Misfire detected
49		DFC_MDNpl_C	P0300	00	Misfire detected
50	DVE	DFC_BWFnpl	P2138	00	Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation
51		DFC_DK1Pmax	P0123	17	Throttle/Pedal Position Sensor/Switch "A" Circuit High
52		DFC_DK1Pmin	P0122	16	Throttle/Pedal Position Sensor/Switch "A" Circuit Low
53		DFC_DK1Pnpl	P0121	29	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance
54		DFC_DK2Pmax	P0223	17	Throttle/Pedal Position Sensor/Switch "B" Circuit High
55		DFC_DK2Pmin	P0222	16	Throttle/Pedal Position Sensor/Switch "B" Circuit Low
56		DFC_DK2Pnpl	P0221	29	Throttle/Pedal Position Sensor/Switch "B" Circuit Range/Performance
57		DFC_DVEEmax	P2106	12	Throttle Actuator Control System Forced Limited Power
58		DFC_DVEEmin	P2106	19	Throttle Actuator Control System Forced Limited Power
59		DFC_DVEEnpl	P2106	92	Throttle Actuator Control System Forced Limited Power
60		DFC_DVEEsig	P2106	13	Throttle Actuator Control System Forced Limited Power
61		DFC_DVEFmax	P1568	00	Idle Speed Contr.Throttle Pos. mechanical Malfunction
62		DFC_DVELnpl	P1545	00	Throttle Pos.Contr. Malfunction
63		DFC_DVENnpl	P1559	00	Idle Speed Contr.Throttle Pos. Adaptation Malfunction
64		DFC_DVERmax	P1545	22	Throttle Pos.Contr. Malfunction
65		DFC_DVERmin	P1545	21	Throttle Pos.Contr. Malfunction
66		DFC_DVEUBmax	P1579	00	Idle Speed Contr.Throttle Pos. adaptation not started
67		DFC_DVEUBmin	P1564	00	Idle Speed Contr.Throttle Pos. Low Voltage During Adaptation
68		DFC_DVEUnpl	P1565	00	Idle Speed Control Throttle Position lower limit not attained
69		DFC_DVEUWnpl	P1559	29	Idle Speed Contr.Throttle Pos. Adaptation Malfunction
70		DFC_FP1Pmax	P2123	17	Throttle/Pedal Position Sensor/Switch "D" Circuit High
71		DFC_FP1Pmin	P2122	16	Throttle/Pedal Position Sensor/Switch "D" Circuit Low

72		DFC_FP1Pnpl	P2138	29	Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation
73		DFC_FP2Pmax	P2128	17	Throttle/Pedal Position Sensor/Switch "E" Circuit High
74		DFC_FP2Pmin	P2127	16	Throttle/Pedal Position Sensor/Switch "E" Circuit Low
75		DFC_MDBmax	P1336	00	Engine torque control Adaption at limit
76		DFC_UFMVnpl	P0606	94	ECM/PCM Processor
77		DFC_UFNCnpl	P0606	92	ECM/PCM Processor
78		DFC_UFRLIPnpl	P2106	29	Throttle Actuator Control System Forced Limited Power
79		DFC_UFSGAmax	P0606	64	ECM/PCM Processor
80		DFC_UFSGAmin	P0606	61	ECM/PCM Processor
81		DFC_UFSGAnpl	P0606	67	ECM/PCM Processor
82		DFC_UFSGAsig	P0606	96	ECM/PCM Processor
83		DFC_UFSGBnpl	P0606	1C	ECM/PCM Processor
84		DFC_UFSGBsig	P0606	55	ECM/PCM Processor
85		DFC_UFSKANpl	P0606	0	ECM/PCM Processor
86		DFC_UFSPSCnpl	P0606	62	ECM/PCM Processor
87		DFC_UFSTAnpl	P0606	63	ECM/PCM Processor
88	boost pressure	DFC_DSLmax	P0238	00	Boost pressure sensor voltage high
89	sensor	DFC_DSLmin	P0237	00	Boost pressure sensor voltage low
90	fan relay	DFC_LFS1Max_C	P0692	00	Fan1 high relay error
91		DFC_LFS1Min_C	P0691	00	Fan1 low relay error
92		DFC_LFS1Sig_C	P0480	00	Fan1 open relay error
93		DFC_LFS2Max_C	P0694	00	Fan2 high relay error
94		DFC_LFS2Min_C	P0693	00	Fan2 low relay error
95		DFC_LFS2Sig_C	P0481	00	Fan2 open relay error
96		DFC_LFS3Max_C	P0696	00	Fan3 high relay error
97		DFC_LFS3Min_C	P0695	00	Fan3 low relay error
98		DFC_LFS3Sig_C	P0482	00	Fan3 open relay error
99	knock sensor	DFC_KS1Max	P0328	00	Knock/Combustion Vibration Sensor 1 Circuit Range/Performance Bank 1
100		DFC_KS1Min	P0327	00	Knock/Combustion Vibration Sensor 1 Circuit Range/Performance Bank 1
101	fuel pressure	PFUELmax_C	P1211	00	Fuel pressure high
102		PFUELmin_C	P1210	00	Fuel pressure low
103	oil pressure	DFC_POILLmin_C	P0523	00	Oil pressure low
104		DFC_POILMax_C	P0522	00	Oil pressure high
105	oil temperature	DFC_TOILMax_C	P0119	00	oil temperature sensor voltage high
106		DFC_TOILMin_C	P0119	00	oil temperature sensor voltage low
107		DFC_URRAMNpl_C	P0604	00	monitoring of the controller: RAM
108		DFC_URROMNpl_C	P0605	00	monitoring of the controller: ROM
109		DFC_URRSTMax_C	P0606	00	monitoring of the controller: Reset

110	others	DFC_URRSTMin_C	P0606	00	monitoring of the controller: Reset
111		DFC_URRSTNpl_C	P0606	00	monitoring of the controller: Reset
112		DFC_URRSTSig_C	P0606	00	monitoring of the controller: Reset
113			PC073		CAN network error
114			P9001		middle cooler not working right
115			P9002		MAC valve stuck open check
NOTE:	Yellow fill indicates off				

BCM FAULT "F" CODES

serial No.	Functional modules	Failure path	Pcode	Type	Description of DTC
1	BCM	/	F7001	/	Spare, waiting to be added
2		/	F7002	/	Front axle oil temperature high ≥ 100 °C, continuous for one minute
3		/	F7003	/	Rear axle oil temperature high ≥ 100 °C, continuous for one minute
4		/	F7004	/	High beam and low beam switch output grounded, reporting a fault and only turning on low beam
5		/	F7005	/	Spare, waiting to be added
6		/	F7006	/	Spare, waiting to be added
7		/	F7007	/	Spare, waiting to be added
8		/	F7008	/	Spare, waiting to be added

DASH FAULT "C" CODES

serial No.	Functional modules	Failure path	Pcode	Type	Description of DTC
1	DASH	/	C0001	/	BCM does not store total mileage values properly or instrument failure