

LDV  
Fault Reaction Management

N u m	Fault path	Tool Description	DTC	Description FMI	Engine shut-off	Limp home		ETC on	
						Torque Lim.	Low idle speed	Flash	Solid
1	Dfp_ACCDCmpr	A/C clutch relay circuit	P 0645	Max Short circuit Min Short circuit to ground Sig Open circuit Npl Excess current					X
2	Dfp_ADCMon	ECU Analogic/Digital Converter Error	P 1602	Max ECU analogic/digital converter error Max ECU analogic/digital converter error Max ECU analogic/digital converter error Max ECU analogic/digital converter error	X			X	
3	Dfp_APP1	ACC Pedal Position Sensor 1	P 0120	Max Voltage too high Min Voltage too low Sig Not used Npl Not used					X
4	Dfp_APP2	ACC Pedal Position Sensor 2	P 0220	Max Voltage too high Min Voltage too low Sig Not used Npl Not used					X
5	Dfp_APPSyc	ACC Pedal Position Sensor SYNC	P 0221	NPL Dev. Between sen.1e2 volt. Too high					X
6	Dfp_APSCD	Barometric Pressure Sensor	P2226	Max Voltage too high Min Voltage too low Sig Not used Npl Not plausible with boost pressure					
7	Dfp_AccPedPlausBrk	ACC Pedal Position /Brake not plausible	P 2299	Npl Not plausible			X		
8	Dfp_BPSCD	Boost pressure sensor	P 0235	Max Voltage too high Min Voltage too low Npl Not used Npl Not plausible with barometr.press. sens.		X		X	
9	Dfp_BattCD	ECU voltage	P 0560	Max Voltage too high Min Voltage too low Sig Not used Npl Not used				X	

## LDV

## Fault Reaction Management

10	Dfp_BrkCD	Brake signal	P 0504	Sig Breake signal is defective					X
				Npl Breake signal not plausible					
11	Dfp_CTSCD	Engine coolant temperature sensor	P 0115	Max Voltage too high		X		X	
				Min Voltage too low					
				Sig Not used					
				Npl Not used					
12	Dfp_CTSCDOut	Engine coolant temperature sensor output	P 1603	Max Short circuit					
				Min Short circuit					
				Sig Short circuit to ground					
				Npl Open circuit					
13	Dfp_EGRCD_Max	EGR solenoid circuit short circuit to battery	P 0406	Max Short circuit to battery		X			X
14	Dfp_EGRCD_Min	EGR solenoid circuit short circuit to ground	P 0405	Min Short circuit to ground		X			X
15	Dfp_EGRCD_SigNpl	EGR solenoid circuit	P 0404	Sig Open circuit		X			X
				Npl Excessive current					
16	Dfp_EngMCaS1	Camshaft position sensor circuit	P 0340	Max No camshaft signal					
				Min Wrong camshaft signal					
17	Dfp_EngMCrS1	Crankshaft position sensor circuit	P 0335	Max No crankshaft signal	X			X	
				Min Wrong crankshaft signal					
18	Dfp_EngMOfsCaSCrS	Camshaft/Crankshaft position sensor offset	P 0008	Max Value out of limits					X
19	Dfp_FTSCD	Fuel temperature sensor	P 0180	Max Voltage too high					X
				Min Voltage too low					
20	Dfp_FanCD_F1Max	Fan control -relay 1 short circuit to battery	P 0692	Max Short circuit					X
21	Dfp_FanCD_F1Min	Fan control -relay 1 short circuit to ground	P 0691	Min Short circuit to ground					X
22	Dfp_FanCD_F1SigNpl	Fan control -relay 1 short circuit	P 0480	Sig Open circuit					X
				Npl Excessive current					
23	Dfp_FanCD_F2	Fan control -relay 2 short circuit	P 0481	Max Short circuit					X
				Min Short circuit to ground					
				Sig Open circuit					
				Npl Excess current					

**LDV**  
**Fault Reaction Management**

24	Dfp_FanCD_F3	Fan control -relay 3 short circuit	P 0482	Max Short circuit					X
				Min Short circuit to ground					
				Sig Open circuit					
				Npl Excess current					
24	Dfp_FIFCD_Htg	Fuel filter heating relay circuit	P 2030	Max Short circuit					
				Min Short circuit to ground					
				Sig Open circuit					
				Npl Excess current					
25	Dfp_GlwCD_Actr	Glow control relay circuit	P 0380	Max Short circuit					X
				Min Short circuit to ground					
				Sig Open circuit					
				Npl Excess current					
26	Dfp_GlwCD_Lamp	Glow display lamp circuit	P 0381	Max Short circuit					
				Min Short circuit to ground					
				Sig Open circuit					
				Npl Excess current					
27	Dfp_GlwCtl	Glow plug module	P 0670	Max Failure of glow plug,relay failure,overc.					X
				Min Short circuit in glow plug					
28	Dfp_HWEMonCom	ECU communication error	P 0600	Max ECU internal EEPROM malfunction					X
29	Dfp_HWEMonEEPROM	ECU internal error	P 1611	Max Not used					X
				Min ECU internal EEPROM malfunction					
				Sig ECU internal EEPROM malfunction					
				Npl ECU internal EEPROM					
30	Dfp_HWEMonRecoveryLocked	ECU processor	P 1612	Npl ECU processor	X				X
32	Dfp_HWEMonRecoveryVisible	ECU processor	P 161C	Npl ECU processor					X
33	Dfp_HWEMonUMaxSupply	ECU internal supply voltage high	P 1613	Max ECU internal supply voltage high					X
34	Dfp_HWEMonUMinSupply	ECU internal supply voltage low	P 1614	Max ECU internal supply voltage low					X
35	Dfp_IATSCD	Intake air temperature sensor	P 0110	Max Voltage too high		X			X
				Min Voltage too low					
36	Dfp_Immctl	Immobilizer system error	P 0513	Max No fuel release	X				X
37	Dfp_ImmctlCommErr	Immobilizer system communication error	P 0167	Max Communication error - time out	X			X	
				Min Communication error - checksum					

## LDV

## Fault Reaction Management

38	Dfp_ImmctIEEPROMErr	Immobilizer system EEPROM error	P 0426	Max EEPROM read error	X				X
				Min EEPROM write error					
39	Dfp_InjVlvBnk1A	Injector bank 1 short circuit	P 2148	Max Short circuit	X			X	
				Min Short circuit on side to ground					
				Sig Depending on application					
				Npl Injection control circuit					
40	Dfp_InjVlvBnk1B	Injector bank 1 open circuit	P 2147	Max Not used	X			X	
				Min Not used					
				Sig Open circuit					
				Npl Not used					
41	Dfp_InjVlvBnk2A	Injector bank 2 short circuit	P 2151	Max Short circuit	X			X	
				Min Short circuit on side to ground					
				Sig Not used					
				Npl Injection control circuit					
42	Dfp_InjVlvBnk2B	Injector bank 2 open circuit	P 2150	Max Not used	X			X	
				Min Not used					
				Sig Open circuit					
				Npl Not used					
43	Dfp_InjVlvChipA	ECU fuel injector control module A performance	P 1616	Max Fuel injector control module	X			X	
				Min Fuel injector control module					
				Sig Fuel injector control module					
				Npl Fuel injector control module					
44	Dfp_InjVlvChipB	ECU fuel injector control module B performance	P 1617	Max Fuel injector control module	X			X	
				Min Fuel injector control module					
				Sig Fuel injector control module					
				Npl Fuel injector control module					
45	Dfp_InjVlvCyl1A	Cylinder 1 - injector circuit	P 0262	Max Short circuit on low side to battery	X			X	
				Min Not used					
				Sig Short circuit low side to high side					
				Npl Injector control circuit					
46	Dfp_InjVlvCyl1B	Cylinder 1 - injector circuit open load	P 0201	Max Not used		X		X	
				Min Not used					
				Sig Open circuit					
				Npl Not used					
47	Dfp_InjVlvCyl2A	Cylinder 2 - injector circuit	P 0265	Max Short circuit on low side to battery	X			X	
				Min Not used					
				Sig Short circuit low side to high side					
				Npl Injector control circuit					

## LDV

## Fault Reaction Management

48	Dfp_InjVlvCyl2B	Cylinder 2 - injector circuit open load	P 0202	Max Not used		X		X	
				Min Not used					
				Sig Open circuit					
				Npl Not used					
49	Dfp_InjVlvCyl3A	Cylinder 3 - injector circuit	P 0268	Max Short circuit on low side to battery	X			X	
				Min Not used					
				Sig Short circuit low side to high side					
				Npl Injector control circuit					
50	Dfp_InjVlvCyl3B	Cylinder 3 - injector circuit open load	P 0203	Max Not used		X		X	
				Min Not used					
				Sig Open circuit					
				Npl Not used					
51	Dfp_InjVlvCyl4A	Cylinder 4 - injector circuit	P 0271	Max Short circuit on low side to battery	X			X	
				Min Not used					
				Sig Short circuit low side to high side					
				Npl Injector control circuit					
52	Dfp_InjVlvCyl4B	Cylinder 4 - injector circuit open load	P 0204	Max Not used		X		X	
				Min Not used					
				Sig Open circuit					
				Npl Not used					
53	Dfp_MRlyCD	Main relay control	P 0685	Max Main relay not open in time					X
				Min Main relay open too early					
54	Dfp_MeUnCDNoLoad	Fuel pressure solenoid	P 0252	Sig Open circuit	X			X	
				Npl Excessive current					
55	Dfp_MeUnCDSCBat	Fuel pressure solenoid	P 0254	Max Short circuit to battery	X			X	
56	Dfp_MeUnCDSCGnd	Fuel pressure solenoid	P 0253	Min Short circuit to ground	X			X	
57	Dfp_Montr	ECU internal error	P 0607	Npl ECU internal watchdog error	X			X	
58	Dfp_OvRMon	ECU overrun monitoring error	P 1619	Max ECU overrun monitoring error	X			X	
59	Dfp_OvRMonSigA	ECU redundant engine speed monitoring error	P 161A	Max ECU redundant engine speed monitoring error	X			X	
60	Dfp_RailCD	Fuel pressure sensor	P 0190	Max Voltage too high	X			X	
				Min Voltage too low					
61	Dfp_RailMeUn0	Fuel rail pressure malfunction	P 0088	Max Positive pressure deviation	X			X	
62	Dfp_RailMeUn1	Fuel rail pressure malfunction	P 0092	Max Positive volume deviation	X			X	
63	Dfp_RailMeUn2	Fuel rail pressure malfunction	P 0091	Max Negative pressure deviation	X			X	

LDV  
Fault Reaction Management

64	Dfp_RailMeUn3	Fuel rail pressure malfunction	P 0087	Max Rail pressure is too low	X			X	
65	Dfp_RailMeUn4	Fuel rail pressure malfunction	P 0090	MaxRail pressure is too high	X			X	
66	Dfp_RailMeUn7	Fuel rail pressure malfunction	P 0089	Max Pressure drop in overrun	X			X	
67	Dfp_SOPTst	ECU internal shut off	P 1620	Max		X		X	
				Min ECU internal Shut-off path watchdog					
				Sig ECU internal Shut-off High voltage					
				Npl ECU internal Shut-off path low voltage					
68	Dfp_SSpMon1	Sensor supply voltage 1	P 0641	Max Voltage above upper limit		X		X	
				Min Voltage below lower limit					
69	Dfp_SSpMon2	Sensor supply voltage 2	P 0651	Max Voltage above upper limit		X		X	
				Min Voltage below lower limit					
70	Dfp_SSpMon3	Sensor supply voltage 3	P 0697	Max Voltage above upper limit		X			X
				Min Voltage below lower limit					
71	Dfp_StrCD	Starter relay circuit	P 0615	Max Short circuit					X
				Min Short circuit to ground					
				Sig Open circuit					
				Npl Excessive current					
72	Dfp_SysLamp	System lamp circuit	P 1650	Max Short circuit					X
				Min Short circuit to ground					
				Sig Open circuit					
				Npl Excessive current					
73	Dfp_T15CD	T 15 circuit	P 1605	Sig No terminal 15 signal detect				X	
74	Dfp_TPUMon	ECU internal malfunction	P 0606	Npl ECU internal malfunction TPU	X			X	
75	Dfp_VSSCD1	Vehicle speed sensor	P 0500	Max Exceeding of the max, vehicle speed					X
				Min					
				Sig HW signal for vehicle speed not valid					
				Npl Vehicle speed not plausible					
76	Dfp_VarMngCodDs	Dataset variant coding	P 1628	Sig Signal fault					X
				Npl Not plausible					
77	Dfp_WdCom	ECU internal malfunction watchdog	P1627	Npl ECU internal malfunction watchdog	X				X