

(Trouble Codes)

TROUBLE CODES ()

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
29	3	Accelerator Position 2	Voltage Too High	ON	P1228
	4		Voltage Too Low	ON	P1227
	2		Not Plausible	ON	P1225
51	3	Throttle Position Sensor 1	Voltage Too High	ON	P0123
	4		Voltage Too Low	ON	P0122
	2		Signal Out of Range (Not Plausible)	ON	P0121
	0		Voltage Above Critical Level	ON	P1123
	1		Voltage Below Critical Level	ON	P1122
	10		Abnormal Rate of Change	ON	P0120
	13		Calibration / Adaption Failure	ON	P1120
84	0	Vehicle Speed Signal	Vehicle Speed Too High	ON	P0500
				ON	C1057
	1		Vehicle Speed Too Low	ON	P0502
	2		Data Erratic or Intermittent (or Missing)	ON	P0503
				ON	C1058
	8		Sensor Frequency Outside Normal Range	ON	P0501
	9		Abnormal Update Rate	ON	P160A
19	Received Vehicle Speed has error	ON	C1069		
		ON	P106B		
91	3	Accelerator Position 1	Voltage Too High	ON	P0228
	4		Voltage Too Low	ON	P0227
	2		Not Plausible	ON	P0225
96	3	Fuel Level Signal	Voltage Too High	ON	P0463
	4		Voltage Too Low	ON	P0462
	16		Above Normal Operating Range	ON	P1462
	18		Below Normal Operating Range	ON	P1463
	2		Signal Fault	ON	P0461
98	3	Engine Oil Level Sensor Switch	Pressure Too High	ON	P1527
	4		Pressure Too Low	ON	P1526
	17		Oil Level Low	OFF	P250F
102	3	Manifold Absolute Pressure Sensor	Voltage Too High	ON	P0108
	4		Voltage Too Low	ON	P0107
	2		Signal Out of Range	ON	P0106
	10		Abnormal Rate of Change	ON	P0109
	7		Pneumatic Fault	ON	P1106
105	3	Intake Air Temperature Sensor	Voltage Too High	ON	P0113
	4		Voltage Too Low	ON	P0112

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
	10		Abnormal Rate of Change	ON	P0114
	2		Signal Out of Range	ON	P0111
110	3	Engine Temperature Sensor	Voltage Too High	ON	P0118
	4		Voltage Too Low	ON	P0117
	2		Signal Out of Range	ON	P0116
	10		Abnormal Rate of Change	ON	P0119
	16		Temperature Too High	OFF	P0217
	0		Engine Overheat Shutdown	OFF	P1217
	15		Temperature Above Normal Range	OFF	P1116
	17		Temperature Too Low	ON	P0128
	168		3	System Power (Battery Potential / Power Input)	Voltage Too High
ON		C1063			
4		Voltage Too Low	OFF		P0562
			ON		C1064
0		Voltage Above Critical Level	ON		P1562
16		Voltage Above Warning Level	ON		P1564
1		Voltage Below Critical Level	ON		P1563
18	Voltage Below Warning Level	OFF	P1565		
190	0	Engine Speed	Speed Exceeded Max Limit	ON	P0219
	0		Engine Speed Too High	OFF	C1059
	1		Engine Speed Too Low	OFF	C1060
	2		Data Erratic or Intermittent (or Missing)	OFF	C1061
	7		CVT Threshold Exceeded	ON	P1219
	31		Error in Engine Speed Computation	ON	P121C
	19		Received Engine Speed has Error	OFF	C1066
523	3	Gear Sensor Signal	Voltage Too High	ON	P0917
	4		Voltage Too Low	ON	P0916
	9		Abnormal Update Rate	ON	P1914
	2		Signal Fault	ON	P0914
527	31	Cruise Control Panel Switches	Switch/Switches Stuck	ON	P153D
596	31	Cruise Control Enable Switch	Switch Stuck	ON	P1590
598	2	Clutch Switch Signal	Signal Fault	ON	P0704
599	31	Cruise Control Set/Decel Switch	Switch Stuck	ON	P1591
601	31	Cruise Control Resume/Accel Switch	Switch Stuck	ON	P1592
628	12	ECU Memory	EEPROM Read / Write Failure	ON	P1602
636	8	Crankshaft Position Sensor	Circuit Fault	ON	P0336
	2		Plausibility Fault	ON	P0335

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
651	5	Injector 1	Driver Circuit Open/Grounded	ON	P0261
	3		Driver Circuit Short to B+	ON	P0262
	4		Driver Circuit Grounded	ON	P1262
652	5	Injector 2	Driver Circuit Open/Grounded	ON	P0264
	3		Driver Circuit Short to B+	ON	P0265
	4		Driver Circuit Grounded	ON	P1265
677	5	Starter Solenoid Driver Circuit	Driver Circuit Open/Grounded	ON	P0615
	3		Driver Circuit Short to B+	ON	P0617
	4		Driver Circuit Grounded	ON	P0616
731	4	Knock Sensor 1	Voltage Too Low	ON	P0327
904	5	Wheel Speed Sensor (Front)	Open / Short	ON	C1030
	2		Input Abnormal / Signal Failure	ON	C1031
907	2	Wheel Speed Sensor (Rear)	Plausibility Fault	ON	C103D
	3		Short to B+	ON	C113D
	4		Open/Short to GND	ON	C123D
	5		Open/Short	ON	C1036
	8		Abnormal Frequency	ON	C133D
	14		Incorrect Sensor / Improper Mounting	ON	C143D
1023	5	Trip Sudden Decelerations	Open / Short	ON	C1045
1071	5	Fan Relay Driver	Driver Circuit Open/Grounded	ON	P1481
	3		Driver Circuit Short to B+	ON	P1482
	4		Driver Circuit Grounded	ON	P1483
1268	5	Ignition Coil Primary Driver 1	Driver Circuit Open/Grounded	ON	P1351
	3		Driver Circuit Short to B+	ON	P1353
	4		Driver Circuit Grounded	ON	P1361
1269	5	Ignition Coil Primary Driver 2	Driver Circuit Open/Grounded	ON	P1352
	3		Driver Circuit Short to B+	ON	P1354
	4		Driver Circuit Grounded	ON	P1362
1347	5	Fuel Pump Driver Circuit	Driver Circuit Open/Grounded	ON	P0230
	3		Driver Circuit Short to B+	ON	P0232
	4		Driver Circuit Grounded	ON	P0231
2348	5	High Beam Lamp	Open Circuit / Short to B+	ON	C107E
	6		Grounded Circuit	ON	C107F
2350	5	Low Beam Lamp	Open Circuit / Short to B+	ON	C107B
	6		Grounded Circuit	ON	C107C
2367	5	Left Turn Indicator Driver Circuit	Driver Circuit Open/Grounded	OFF	P1714
	3		Driver Circuit Short to B+	OFF	P1715
	4		Driver Circuit Grounded	OFF	P1716

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
2369	5	Right Turn Indicator Driver Circuit	Driver Circuit Open/Grounded	OFF	P1710
	3		Driver Circuit Short to B+	OFF	P1711
	4		Driver Circuit Grounded	OFF	P1712
3056	2	Oxygen Sensor 1 (Front)	Signal Fault	ON	P0130
	12		Bad Component	ON	P113A
	3		Voltage High	ON	P0132
	4		Voltage Low	ON	P0131
3597	3	ECU Output Supply Voltage 1	Voltage Too High	ON	P16A2
	4		Voltage Too Low	ON	P16A1
	0		Voltage Above Critical Level	ON	P16A3
	16		Voltage Above Warning Level	ON	P16A5
	1		Voltage Below Critical Level	ON	P16A6
	18		Voltage Below Warning Level	ON	P16A7
3598	3	ECU Output Supply Voltage 2	Voltage Too High	ON	P16A9
	4		Voltage Too Low	ON	P16A8
	0		Voltage Above Critical Level	ON	P16AA
	16		Voltage Above Warning Level	ON	P16AB
	1		Voltage Below Critical Level	ON	P16AC
	18		Voltage Below Warning Level	ON	P16AD
3599	3	ECU Output Supply Voltage 3	Voltage Too High	ON	P17AA
	4		Voltage Too Low	ON	P17AB
	0		Voltage Above Critical Level	ON	P17AC
	16		Voltage Above Warning Level	ON	P17AD
	1		Voltage Below Critical Level	ON	P17AE
	18		Voltage Below Warning Level	ON	P17AF
5582	9	Static Roll Angle	Abnormal Update Rate	ON	P1062
65590	7	Cylinder Not Identified	Misfire Detected	ON	P0314
65591	7	Cylinder 1	Misfire Detected	ON	P0301
65592	7	Cylinder 2	Misfire Detected	ON	P0302
65613	2	ETC Accelerator Position Sensor Outputs 1 & 2 Correlation	Correlation Fault	ON	P1135
520198	3	Throttle Position Sensor 2	Voltage Too High	ON	P0223
	4		Voltage Too Low	ON	P0222
	0		Voltage Above Critical Level	ON	P1223
	1		Voltage Below Critical Level	ON	P1222
	2		Signal Out of Range (Not Plausible)	ON	P0221
	10		Abnormal Rate of Change	ON	P0220

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
	13		Calibration / Adaption Failure	ON	P1220
520267	31	Kickstand Switch	Condition Exists (engine disabled due to extended kickstand)	ON	P181C
520200	2	Tipover Sensor	Signal Fault	ON	P1501
	3		Voltage High	ON	P1503
	4		Voltage Low	ON	P1502
	14		Condition Exists (tip over condition detected)	ON	P1504
520202	5	Canister Purge Valve	Driver Circuit Open/Grounded	ON	P0444
	3		Driver Circuit Short to B+	ON	P0443
	4		Driver Circuit Grounded	ON	P0445
520204	17	Fuel Correction	System Too Lean 1 (Front) (Pre)	ON	P0171
	15		System Too Rich 1 (Front) (Pre)	ON	P0172
520205	17	Fuel Correction	System Too Lean 2 (Rear) (Post)	ON	P0174
	15		System Too Rich 2 (Rear) (Post)	ON	P0175
520208	5	Chassis/Acc Relay	Driver Circuit Open/Grounded	ON	P1611
	3		Driver Circuit Short to B+	ON	P1614
	4		Driver Circuit Grounded	ON	P1613
520209	2	Oxygen Sensor Heater 1 (pre) (front)	Plausibility Fault	ON	P0135
	5		Driver Circuit Open/Grounded	ON	P0030
	3		Driver Circuit Short to B+	ON	P0032
	4		Driver Circuit Grounded	ON	P0031
520210	2	Oxygen Sensor Heater 2 (post) (rear)	Plausibility Fault	ON	P0141
	5		Driver Circuit Open/Grounded	ON	P0036
	3		Driver Circuit Short to B+	ON	P0038
	4		Driver Circuit Grounded	ON	P0037
520250	7	ABS Pulsar (front)	COG Chip	ON	C1022
520251	7	ABS Pulsar (rear)	COG Chip	ON	C1023
520252	5	ABS Solenoid (RRI)	Open / Short	ON	C1024
520253	5	ABS Solenoid (RRO)	Open / Short	ON	C1025
520254	5	ABS Solenoid (FFI)	Open/Short	ON	C1026
520255	5	ABS Solenoid (FFO)	Open/Short	ON	C1027
520256	5	ABS Solenoid (RFI)	Open/Short	ON	C1028
520257	5	ABS Solenoid (RFO)	Open/Short	ON	C1029
520258	11	ABS Actuator (front)	Wheel Lock (or VSS failure) ABS On	ON	C1032
520259	11	ABS Actuator (rear)	Wheel Lock (or VSS failure) ABS On	ON	C1033
520260	8	ABS Motor	Motor Lock	ON	C0020
	3		Off Stick	ON	C1020
	4		On Stick	ON	C1021

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
520261	7	ABS Fail Safe Relay	On/Off Stick	ON	C1034
520262	4	ABS Source Voltage	Drop	ON	C1038
	3		Raise	ON	C1039
520263	31	ABS Tire	Irregular Tire Size	ON	C1040
520264	12	ABS ECU	ECU Error	ON	C1041
520265	7	ABS Module	Incomplete Evacuation and Fill	ON	C1042
520275	31	Accelerator Position/Brake Position Interaction	Condition Exists	ON	P150A
520276	12	Throttle Position Sensor(1 or 2 Indeterminable)	Neither Position Sensor Passed Test	ON	P150B
	2		Position Sensor Correlation Fault (One okay, one failed)	ON	P150C
520277	3	Throttle Body Control - Power Stage	Maximum	ON	P150D
	4		Minimum	ON	P150E
	2		Not Plausible	ON	P151A
	8		Signal Error	ON	P151B
	31		Deactivated power stages due to 5V sensor supply error	ON	P153F
520278	31	Throttle Body Control - Return Spring Check Failed	Condition Exists	ON	P151C
520279	31	Throttle Body Control - Adaption Aborted	Condition Exists	ON	P151D
520280	31	Throttle Body Control - Limp Home Position Check Failed	Condition Exists	ON	P151E
520281	31	Throttle Body Control - Mechanical Stop Adaptation Failure	Condition Exists	ON	P15A
520282	31	Throttle Body Control	Condition Exists	ON	P152B
520283	3	Throttle Body Control	Maximum	ON	P152C
	4		Minimum	ON	P152D
	2		Outside of Pedal Range(Level 1)	ON	P152F
520284	31	Throttle Body Control - Position Deviation Fault	Condition Exists	ON	P152E
520285	2	Brake Switch (1 or 2 Indeterminable)	Brake Switch Correlation Fault	ON	P153E
520226	31	ECU Monitoring Error	Condition Exists	ON	P1540
520287	31	ECU Monitoring Error (Level 3)	Condition Exists	ON	P1541
520288	31	ECU Monitoring of Injection Cut Off(Level 1)	Condition Exists	ON	P1542
520289	31	ECU Monitoring of Injection Cut Off(Level 2)	Condition Exists	ON	P1543
520290	31	Controller Option Settings not Programmed	Condition Exists	ON	P1544
520291	5	Left Fog Lamp	Open Circuit / Short to B+	ON	C1075
	6		Grounded Circuit	ON	C1076
520292	5	Right Fog Lamp	Open Circuit / Short to B+	ON	C1078

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
	6		Grounded Circuit	ON	C1079
520293	5	Horn	Open Circuit / Short to B+	ON	C122A
	6		Grounded Circuit	ON	C122B
520294	5	Windshield Motor Driver	Open Circuit / Short to B+	ON	C1222
	6		Grounded Circuit	ON	C1223
520295	2	Windshield Motor Switch	Both inputs are closed	ON	C1225
520296	12	Accelerometer	Bad Component	ON	C1125
520297	31	System On Button	Switch Stuck	ON	C1530
520298	5	Heated Grips	Open Circuit / Short to B+	ON	C1047
	6		Grounded Circuit	ON	C1048
520299	5	Power Lock Motor	Open Circuit / Short to B+	ON	C1226
	6		Grounded Circuit	ON	C1227
520300	12	Tire Pressure Sensor (Front)	Battery Voltage too Low (Replace)	OFF	C1083
	17		Pressure to Low	OFF	C1084
	9		Abnormal Update Rate	OFF	C1085
520302	12	Tire Pressure Sensor (Rear)	Battery Voltage too Low (Replace)	OFF	C1088
	17		Pressure to Low	OFF	C1089
	9		Abnormal Update Rate	OFF	C1090
520304	12	Key Fob	Battery Voltage too Low (Replace)	OFF	P1633
520305	31	Throttle Body Control - requested throttle angle not plausible	Condition Exists	ON	P1530
520311	31	ECU Fault - Hardware Disruption	Condition Exists	ON	P1537
520312	31	Power Lock Motor Switch	Switch Stuck	ON	C1229
520313	11	ABS Actuator (front)	Wheel Lock (or VSS failure) ABS Off	ON	C103A
520314	11	ABS Actuator (rear)	Wheel Lock (or VSS failure) ABS Off	ON	C103B
520320	5	Brake Light	Open Circuit	ON	P1593
	3		Shorted to Battery	ON	P1594
	4		Shorted to Ground	ON	P1595
520321	5	Tail Light	Open Circuit	ON	P1596
	3		Shorted to Battery	ON	P1597
	4		Shorted to Ground	ON	P1598
520322	3	Front Brake Switch	Voltage Too High	ON	P1599
	4		Voltage Too Low	ON	P159A
	2		Signal Fault	ON	P159B
520323	3	Rear Brake Switch	Voltage Too High	ON	P159C
	4		Voltage Too Low	ON	P159D
	2		Signal Fault	ON	P159E

SPN	FMI	COMPONENT	CONDITION	MIL	P-CODE
520329	9	Operator Switch Status (pOSS1)	Abnormal Update Rate	ON	P1063
520330	13	Immobilizer	Out of Calibration	ON	P1064
	9		Abnormal Update Rate	ON	P106A
520331	3	Knock Sensor Positive Line	Voltage Too High	ON	P1327
	4		Voltage Too Low	ON	P1328
520332	3	Knock Sensor Negative Line	Voltage Too High	ON	P132A
	4		Voltage Too Low	ON	P132B
520333	2	Oxygen Sensor (Pre) (BANK 2)	Signal Fault	ON	P1136
	12		Bad Component	ON	P1139
	3		Voltage High	ON	P1137
	4		Voltage Low	ON	P1138
520336	31	ECU Monitoring (Pedal Map Mismatch)	Condition Exists	ON	P1545
524046	31	Start Button	Switch Stuck	ON	C1512
524079	31	Cruise Control Input Checksum	Checksum does not match	ON	U0405
524080	31	Cruise Control Input Message Counter	Counter not incremented	ON	U1405
524083	5	Secondary Air Control Valve	Open Circuit	ON	P1075
	3		Shorted to Battery	ON	P1076
	4		Shorted to Ground	ON	P1077

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1. Left-Toggle "Ck ENG"
Left-Toggle
2. (1) Error Code Number (0~9)
(2) Suspect Parameter Number (SPN)
(3) Failure Mode Indicator (FMI)

