

DTCs	CONTENT
10	Memory calibration error, or PCM Keep ALive RAM reset
11	MIL lamp circuit, or EEPROM failure
12	No timing/injector reference signal received by PCM while engine cranking
13	Oxygen Sensor circuit (voltage stays between 0.35-5.5 volts) during closed loop, or left O2 sensor failure
14	Coolant Temperature Sensor reading too high
15	Coolant Temperature Sensor circuit reading too low
16	Battery voltage out of range (too high or too low)
17	Oxygen sensor voltage not changing (stays between 0.3 and 0.6 v), or left O2 sensors, or crankshaft position sensor
18	Fuel injector driver circuit, or camshaft position sensor, or loop overrun
19	Fuel pump circuit, or ignition control signal fault
20	Fuel pump circuit
21	Throttle Position Sensor (TPS) voltage too high or shorted
22	Throttle Position Sensor (TPS) voltage too low or open
23	Manifold Air Temperature (MAT) Sensor open or reading low, or Electronic Spark Timing (EST) bypass circuit, or feedback carburetor mixture control solenoid
24	Vehicle Speed Sensor (VSS) circuit
25	Manifold or Intake Air Temperature (MAT or IAT) sensor reading high, or bypass monitor Electronic Spark Timing enable
26	Quad-driver module fault, or no throttle switch input
27	Quad driver module #2 circuit fault, or open throttle switch
28	Quad driver module #3 circuit fault, or 3/4 gear switch
29	Secondary air injection pump circuit or 3/4 gear switch
30	Idle Speed Control circuit, or Throttle Position Sensor (TPS) reading out of range
31	Manifold Absolute Pressure (MAP) sensor voltage high, or fuel injector malfunction, or P/N switch, or wastegate overboost
32	Exhaust Gas Recirculation (EGR) problem, or Manifold Absolute Pressure (MAP) sensor voltage low

33	Mass Airflow (MAE) Sensor circuit voltage high, or Manifold Absolute Pressure (MAP) sensor high
34	Mass Airflow (MAE) sensor circuit low, or Manifold Absolute Pressure (MAP) Sensor circuit low voltage
35	Idle Air Control (IAC) circuit, or short in throttle switch
36	Transmission shift/solenoid, or improper timing signal
37	Manifold Air Temperature (MAT) reading high or shorted
38	Manifold Air Temperature (MAT) reading low or open
39	Torque Converter Clutch (TCC) fault
40	Power steering switch circuit, or 02 sensor voltage not changing
41	Camshaft sensor circuit, or electronic spark timing (EST) circuit error
42	Electronic Spark Timing (EST) bypass circuit (no change in signal), or left 02 sensor reading lean
43	Electronic Spark Control (ESC) bypass circuit, or Knock sensor open or grounded, or left 02 sensor reading rich
44	Oxygen Sensor reads lean (low voltage of 0.2 or less), or left 02 sensor reading lean
45	Oxygen Sensor reads rich (high voltage of 0.75 or more), or left 02 sensor reading rich
46	PASS Key circuit, or fuel enable failure
47	No Knock sensor signal, or ECM data link problem
48	No mass airflow sensor (MAF) signal when engine on, or EGR not responding to off idle open command
49	AIR management system or vacuum leak
50	Low ignition voltage (below 8.0 volts)
51	Program Read Only Memory (PROM) or ECM error, or mixture control solenoid on feedback carburetor circuit
52	Fuel CALPAK missing, ECM has lost primary battery power, or engine oil temperature sensor circuit
53	No distributor reference pulses, or EGR solenoid circuit, or high battery voltage (over 17v), or Passkey circuit
54	Carburetor mixture control solenoid, or idle speed control circuit, or fuel pump

	circuit
55	ECM fault, or Throttle Position Sensor misadjusted, or EGR #3 solenoid
56	Bad coolant, or injector fault, or variable fuel sensor, or 3/4 gear switch/solenoid
57	Boost control error, or 3-4 gear switch/solenoid, or transmission fluid too hot
58	Anti-theft system, or transmission temperature too high
59	Transmission Fluid temperature less than -31degrees F
60	Transmission not in drive
61	O2 sensor degraded, or cruise control vent solenoid
62	Engine oil temperature too high, or cruise control vacuum solenoid
63	No change in right oxygen sensor signal, or cruise control servo
64	Right O2 sensor reading lean (low voltage below 0.2v), or cruise control system
65	Right O2 sensor reading rich (high voltage over 0.7v), or cruise control servo position sensor
66	A/C pressure sensor circuit open or shorted, or cruise control circuit
67	No change in A/C system pressure when clutch engages (low refrigerant or failed compressor), or cruise control
68	A/C clutch relay circuit stuck on, or cruise control system
69	A/C clutch relay stuck open or not working, or traction control remained active with cruise control on
70	A/C clutch relay circuit voltage out of range, or throttle position sensor signal intermittent
71	A/C evaporator temperature sensor
72	intermittent coolant temperature reading, or erratic Manifold Absolute Pressure (MAP)sensor signal
73	Coolant temperature sensor signal intermittent
74	intermittent Manifold Air Temperature (MAT), or oil temperature sensor
75	Ignition system voltage low, or air temperature sensor, or vehicle speed sensor circuit
76	Manifold Absolute Pressure (MAP) out of range, or transmission fluid too hot
77	Cooling fan relay #1 control circuit, or EGR #3 solenoid

78	Cooling fan relay #2 and #3 control circuits
79	Transmission fluid temperature too hot
80	Fuel system rich, or Throttle Position Sensor Idle Learn” not complete after an EPROM reset
81	Transmission 2-3 shift solenoid circuit
82	Transmission 1-2 shift solenoid circuit
83	Torque Converter Clutch PWM solenoid circuit, or Crankshaft position signal not received with cam pulses
84	Transmission 3-2 shift solenoid circuit
85	Torque converter Clutch solenoid stuck on, or “idle learned” throttle angle was more than 3.9 degrees
86	Torque Converter Clutch Solenoid B stuck on, or transmission input and output speed did not agree
87	Torque Converter Clutch Solenoid B stuck off
88	ECM reset, or Torque converter clutch did not disengage when commanded OFF
89	Transmission gear shift time too long
90	Brake switch input circuit
91	Park/Neutral switch circuit, or PRND321 indicator problem
92	Heat windshield request
93	Traction control system signals were not received by PCM
94	Transmission gear selected did not match with the gear commanded
95	Engine stall
96	Torque Converter Clutch overstress (large throttle angle applied with transmission in gear and brakes on)
97	Shift from P/N to Drive/Reverse at high throttle angle
98	Shift from P/N to Drive/Reverse at high throttle angle, or Tach output voltage signal out of range
99	Cruise control servo
106	Sudden vehicle deceleration without brake switch being activated
108	Program Read Only Memory (PROM) error

109	PCM has lost primary battery power
110	Generator remained OFF after being commanded ON
112	EPROM error. Replace PCM PROM
117	Shift "A" or "B" solenoid output out of range
119	Open or shorted fuel injector circuit
120	A/C low side temperature sensor out of range
121	A/C high side temperature sensor out of range
122	A/C coolant temperature sensor out of range
123	Low A/C refrigerant pressure
124	A/C compressor circuit failed to engage
125	A/C high pressure switch staying on
126	A/C high pressure switch disabling A/C compressor clutch
128	A/C disabled because of high refrigerant pressure
131	No knock sensor signal.
132	Knock sensor voltage out of range
133	Loss of communication between PCM and ABS module
134	Loss of communication between PCM and instrument panel cluster (PIC)
135	Loss of communication between PCM and HVAC module
136	Loss of communication between PCM and air bag diagnostic energy reserve module (DERM)
137	Loss of ABS/traction control data