

EMISSION CONTROL SYSTEM

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DIAGNOSTIC TROUBLE CODES—FUEL SYSTEMS CALIBRATED FOR LEADED FUEL 1

GENERAL INFORMATION

Exhaust Gas Recirculation (EGR) system is turned off, the codes that are related to those systems are not displayed by the PCM.

DIAGNOSTIC TROUBLE CODES—FUEL SYSTEMS CALIBRATED FOR LEADED FUEL

Since vehicles with fuel systems calibrated for leaded fuel do not have oxygen sensors, and the

DIAGNOSTIC TROUBLE CODE DESCRIPTIONS—LEADED FUEL SYSTEMS

MIL CODE	SAE SCAN TOOL J2012 CODE	HEX CODE	DRB SCAN TOOL DISPLAY	DESCRIPTION OF DIAGNOSTIC TROUBLE CODE
11		28	No Crank Reference Signal at PCM	No crank reference signal detected during engine cranking.
12*			Battery Disconnect	Direct battery input to PCM was disconnected within the last 50 key-on cycles.
13**		26	MAP Pneumatic Signal	No difference recognized between the engine MAP reading and the barometric (atmospheric) pressure reading from start-up.
	1297	27	No Change in MAP From Start to Run	
14**	P0107	24	MAP Sensor Voltage Too Low	MAP sensor input below minimum acceptable voltage.
	or P0108	25	MAP Sensor Voltage Too High	MAP sensor input above maximum acceptable voltage.
15**	P0500	23	No Vehicle Speed Sensor Signal	No vehicle speed sensor signal detected during road load conditions.
17		21	Engine too Cold too Long	Engine did not reach operating temperature within acceptable limits.
22**	P0117	1E	ECT Sensor Voltage Too Low	Engine coolant temperature sensor input below minimum acceptable voltage.
	or P0118	1F	ECT Sensor Voltage Too High	Engine coolant temperature sensor input above maximum acceptable voltage.

GENERAL INFORMATION (Continued)

MIL CODE	SAE SCAN TOOL J2012 CODE	HEX CODE	DRB SCAN TOOL DISPLAY	DESCRIPTION OF DIAGNOSTIC TROUBLE CODE
23**	P0112	39	Intake Air Temp Sensor Voltage Low	Intake air temperature sensor input below the maximum acceptable voltage.
24	P0122 or P0123	1A 1B	Throttle Position Sensor Voltage Low Throttle Position Sensor Voltage High	Throttle position sensor input below the minimum acceptable voltage. Throttle position sensor input above the maximum acceptable voltage.
25**	P0505	19	Idle Air Control Motor Circuits	A shorted or open condition detected in one or more of the idle air control motor circuits.
27**	P0201 or P0202 or P0203	15 14 13	Injector #1 Control Circuit Injector #2 Control Circuit Injector #3 Control Circuit	Injector #1 output driver does not respond properly to the control signal. Injector #2 output driver does not respond properly to the control signal. Injector #3 output driver does not respond properly to the control signal.
31*	P0443	12	EVAP Purge Solenoid Circuit	An open or shorted condition detected in the duty cycle purge solenoid circuit.
33*		10	A/C Clutch Relay Circuit	An open or shorted condition detected in the A/C clutch relay circuit.
34*		0F	Speed Control Solenoid Circuits	An open or shorted condition detected in the Speed Control vacuum or vent solenoid circuits.
35**	P1489 or P1490	5D 5C	High Spd Fan Relay Circuit Check Low Spd Fan Relay Circuit Check	An open or shorted condition detected in the high speed radiator fan relay control circuit. An open or shorted condition detected in the low speed radiator fan relay control circuit.
41***		0B	Generator Field Not Switching Properly	An open or shorted condition detected in the generator field control circuit.
42*		0A	Auto Shutdown Relay Control Circuit	An open or shorted condition detected in the auto shutdown relay circuit.
43**	P0351	2B	Ignition Coil #1 Primary Circuit	Peak primary circuit current not achieved with maximum dwell time.
44**	P1492 or P1493	9A 99	Battery Temp Sensor Voltage Too High Battery Temp Sensor Voltage Too Low	Battery temperature sensor input voltage above an acceptable range. Battery temperature sensor input voltage below an acceptable range.
46***		06	Charging System Voltage Too High	Battery voltage sense input above target charging voltage during engine operation.

GENERAL INFORMATION (Continued)

MIL CODE	SAE SCAN TOOL J2012 CODE	HEX CODE	DRB SCAN TOOL DISPLAY	DESCRIPTION OF DIAGNOSTIC TROUBLE CODE
47***		05	Charging System Voltage Too Low	Battery voltage sense input below target charging during engine operation. Also, no significant change detected in battery voltage during active test of generator output circuit.
53**	P0601	02	Internal Controller Failure	PCM Internal fault condition detected.
54**	P0340	01	No Cam Signal at PCM	No camshaft signal detected during engine cranking.
62	P1697	30	PCM Failure SRI Mile Not Stored	Unsuccessful attempt to update EMR mileage in the PCM EEPROM.
63**	P1696	31	PCM Failure EEPROM Write Denied	Unsuccessful attempt to write to an EEPROM location by the PCM.
66		61	No Body CCD Message	No communication from body control module.
71**	P1496	92	5 Volts Output Low	Intrenal PCM check for 5 volts.
77		52	S/C Power Relay Circuit	Malfunction detected with power feed to speed control servo solenoids.

* Check Engine Lamp (MIL) will not illuminate if this Diagnostic Trouble Code was recorded. Cycle Ignition key as described in manual and observe code flashed by Check Engine lamp.

** Check Engine Lamp (MIL) will illuminate during engine operation if this Diagnostic Trouble Code was recorded.

*** Generator Lamp illuminated.

