

DTC	SYS	FAULT DESCRIPTION	MONITORING CONDITIONS	CK ENG	OTHER	DEFAULT ACTION	CM PIN	POSSIBLE CAUSES
P0171	EMS OBD II	Bank 1 combustion too lean	Start engine and bring to normal operating temperature > 82 °C (180 °F) Idle for 10 minutes	2	A	ECM Default: - Bank 1 catalyst warm-up ignition retard inhibited - Bank 1 closed loop fuel metering inhibited - Canister purge inhibited - Maximum engine speed reduced	—	Engine misfire Air intake leak between MAF Sensor and throttle Fuel filter / system restriction Fuel injector restriction Fuel pressure sensor failure (low fuel pressure) Low fuel pump output HO2 Sensor(s) (1/1, 1/2) harness wiring condition fault Exhaust leak (before catalyst) ECM receiving incorrect signal from one or more of the following components: ECT Sensor, MAF Sensor, IAT Sensor, IP Sensor, EFT Sensor, TP Sensor
P0174	EMS OBD II	Bank 2 combustion too lean	Start engine and bring to normal operating temperature > 82 °C (180 °F) Idle for 10 minutes	2	A	ECM Default: - Bank 2 catalyst warm-up ignition retard inhibited - Bank 2 closed loop fuel metering inhibited - Canister purge inhibited - Maximum engine speed reduced	—	Engine misfire Air intake leak between MAF Sensor and throttle Fuel filter / system restriction Fuel injector restriction Fuel pressure sensor failure (low fuel pressure) Low fuel pump output HO2 Sensor(s) (2/1, 2/2) harness wiring condition fault Exhaust leak (before catalyst) ECM receiving incorrect signal from one or more of the following components: ECT Sensor, MAF Sensor, IAT Sensor, IP Sensor, EFT Sensor, TP Sensor
P0300	EMS OBD II	Random misfire detected *Refer to Misfire Note, page 5	Misfire monitor drive cycle – page 5	1 or 2*	N	None	—	Cylinder compression low Worn camshaft / broken valve spring(s) Fuel delivery pressure (low / high) Fuel injector(s) restricted / leaking Fuel injector(s) continuously open Fuel contamination Fuel injector circuit fault(s) (Injector DTCs also flagged) Spark plug failure / fouled / incorrect gap ECM to ignition coil primary circuit fault (Cylinder misfire detected DTC also flagged) Ignition coil failure
P0430	EMS OBD II	Catalytic converter system efficiency below threshold – bank 2	Catalyst efficiency monitor drive cycle – page 5	2	N	None	—	HO2 Sensor disconnected HO2 Sensor to ECM wiring fault HO2 Sensor heater to ECM wiring fault HO2 Sensor heater failure Upstream HO2 Sensor failure Downstream HO2 Sensor failure Catalyst failure
P1699	EMS OBD II	CAN ECM / A/CCM network malfunction	Ignition ON 10 seconds	2	N	None	EN16 -123 -124	CAN open circuit fault – A/CCM to ECM CAN short circuit fault A/CCM failure ECM failure