

code	description	severity	recommended_action
P0101	Mass Air Flow (MAF) Circuit Range/Performance	Medium	Inspect/replace MAF sensor
P0110	Intake Air Temperature Sensor Circuit	Low	Check intake air temp sensor
P0128	Coolant Thermostat Below Regulating Temp	Medium	Replace thermostat, check coolant flow
P0171	System Too Lean (Bank 1)	High	Check for vacuum leaks, fuel trim
P0174	System Too Lean (Bank 2)	High	Check for vacuum leaks, fuel trim
P0300	Random/Multiple Cylinder Misfire Detected	High	Inspect spark plugs/ignition coils
P0301	Cylinder 1 Misfire Detected	High	Inspect spark plug, ignition coil, compression
P0302	Cylinder 2 Misfire Detected	High	Inspect spark plug, ignition coil, compression
P0420	Catalyst System Efficiency Below Threshold	High	Check catalytic converter, O2 sensors
P0401	Exhaust Gas Recirculation (EGR) Flow Insufficient	Medium	Inspect EGR valve
P0442	Evaporative Emission Control System Leak Detected (small)	Low	Check fuel cap and EVAP lines
P0455	Evaporative Emission Control System Leak Detected (gross)	Medium	Check EVAP system for leaks
P0500	Vehicle Speed Sensor Malfunction	Medium	Inspect VSS and wiring
P0505	Idle Control System Malfunction	Low	Check idle air control valve
P0620	Generator Control Circuit Malfunction	High	Inspect alternator/regulator
P0700	Transmission Control System Malfunction	High	Scan transmission, check fluid
P0715	Input/Turbine Speed Sensor Circuit	Medium	Check transmission speed sensor
P0720	Output Speed Sensor Circuit Malfunction	Medium	Inspect output sensor
P0740	Torque Converter Clutch Circuit Malfunction	High	Inspect TCC solenoid and transmission
P0750	Shift Solenoid A Malfunction	Medium	Check shift solenoid and wiring
P0760	Shift Solenoid C Malfunction	Medium	Check shift solenoid and wiring
P0780	Shift Malfunction	High	Scan transmission for faults
P1000	OBD Systems Readiness Test Not Complete	Low	Perform drive cycle
P1101	MAF Sensor Intermittent/Erratic	Medium	Inspect/clean MAF sensor
P1210	Fuel Pump/Subsystem Malfunction	High	Inspect fuel pump
P1226	Turbocharger Boost Sensor A Circuit	High	Check turbocharger boost sensor
P1234	Fuel Pressure Regulator Malfunction	High	Check fuel pressure regulator
P1300	Ignition Coil Primary/Secondary Circuit Malfunction	High	Check ignition coils
P1400	EVAP Control System Vent Valve Circuit Malfunction	Medium	Inspect EVAP vent valve
P1506	Throttle Actuator Control Motor Current Range/Performance	High	Inspect throttle actuator

P1600	ECM Processor Fault	High	ECM diagnostics required
P1700	Transmission Trending Fault	High	Detailed transmission diagnosis
P2002	Intake Manifold Runner Control Stuck Open	Medium	Inspect intake manifold runner
P2100	Throttle Actuator Control System	High	Throttle system check
P2138	Throttle/Pedal Position Sensor/Switch 'A'/'B' Correlation	High	Inspect throttle pedal and sensors
P2187	System Too Lean at Idle	Medium	Check for vacuum leaks and idle control
P2195	O2 Sensor Signal Biased/Lean (Bank 1 Sensor 1)	Medium	Inspect O2 sensor and fuel delivery
P2196	O2 Sensor Signal Biased/Rich (Bank 1 Sensor 1)	Medium	Inspect O2 sensor and fuel delivery
P2197	O2 Sensor Signal Biased/Lean (Bank 2 Sensor 1)	Medium	Inspect O2 sensor and fuel delivery
P2198	O2 Sensor Signal Biased/Rich (Bank 2 Sensor 1)	Medium	Inspect O2 sensor and fuel delivery
P2201	O2 Sensor Heater Circuit Malfunction	Medium	Check heater circuit and wiring
P2501	Glow Plug Circuit/Open (diesel)	Medium	Inspect glow plug circuit
P2563	Turbocharger Boost Sensor Range/Performance	High	Inspect turbocharger system
P2610	ECM/PCM Internal Engine Off Timer Performance	Low	ECM update/inspection
P2630	Injector Control Circuit/Open	High	Inspect injectors and wiring
P3000	Random/Multiple Cylinder Misfire Detected	High	Inspect spark and fuel system
P3100	Ignition Monitor Circuit Malfunction	High	Inspect ignition monitoring circuits