

Car Diagnostic Codes List

Code	Description
P0128	Coolant thermostat (coolant temperature below thermostat)
P0171	System too lean
P0174	System too lean
P0300	Random/multiple cylinder misfire detected
P0401	Exhaust gas recirculation "A" flow insufficient detected
P0420	Catalyst system efficiency below threshold
P0440	Evaporative emission system

P0442	Evaporative emission system leak detected (small leak)
B0022	Left Curtain Deployment Control 2 (Subfault)
B0028	Right Side Airbag Deployment Control (Subfault)
B0081	First Row Center Seatbelt Load Limiter Deployment Control (Subfault)
B0083	Second Row Left Seatbelt Load Limiter Deployment Control (Subfault)
B0090	Left Frontal Restraints Sensor (Subfault)
C0031	Left Front Wheel Speed Sensor (Subfault)
C0035	Right Front Wheel Speed Sensor Supply (Subfault)
C0036	Left Rear Tone Wheel (Subfault)

C0040	Right Front Wheel Speed Sensor Circuit
C0045	Brake Pressure Sensor "B" (Subfault)
P0010	"A" Camshaft Position Actuator Circuit/Open
P0011	"A" Camshaft Position - Timing Over-Advanced or System
P0012	"A" Camshaft Position - Timing Over-Retarded
P0013	"B" Camshaft Position - Actuator Circuit/Open
P0014	"B" Camshaft Position - Timing Over-Advanced or System
P0101	Mass or Volume Air Flow "A" Circuit Range/Performance
P0102	Mass or Volume Air Flow "A" Circuit Low

P0113	Intake Air Temperature Sensor 1 Circuit High
P0128	Coolant Thermostat (Coolant Temperature Below Thermostat
P0135	O2 Sensor Heater Circuit
P0200	Injector Circuit/Open
P0201	Injector Circuit/Open - Cylinder 1
P0202	Injector Circuit/Open - Cylinder 2
P0203	Injector Circuit/Open - Cylinder 3
P0205	Injector Circuit/Open - Cylinder 5
P0300	Random/Multiple Cylinder Misfire Detected

P0301	Cylinder 1 Misfire Detected
P0302	Cylinder 2 Misfire Detected
P0303	Cylinder 3 Misfire Detected
P0304	Cylinder 4 Misfire Detected
P0401	Exhaust Gas Recirculation "A" Flow Insufficient Detected
P0420	Catalyst System Efficiency Below Threshold
P0430	Catalyst System Efficiency Below Threshold
P0440	Evaporative Emission System
P0441	Evaporative Emission System Incorrect Purge Flow

P0500	Vehicle Speed Sensor "A"
P0501	Vehicle Speed Sensor "A" Range/Performance
P0505	Idle Air Control System
P0506	Idle Air Control System RPM Lower Than Expected
P0507	Idle Air Control System RPM Higher Than Expected
P0600	Serial Communication Link
P0601	Internal Control Module Memory Check Sum Error
P0602	Control Module Programming Error
P0603	Internal Control Module Keep Alive Memory (KAM) Error

P060	P0605
P0700	Transmission Control System (MIL Request)
P0705	Transmission Range Sensor "A" Circuit (PRNDL Input)
P0706	Transmission Range Sensor "A" Circuit Range/Performance
P0720	Output Speed Sensor Circuit
P0730	Incorrect Gear Ratio
P0841	Transmission Fluid Pressure Sensor/Switch "A" Circuit
P0842	Transmission Fluid Pressure Sensor/Switch "A" Circuit Low
P0845	Transmission Fluid Pressure Sensor/Switch "B" Circuit

P0846	Transmission Fluid Pressure Sensor/Switch "B" Circuit
P0847	Transmission Fluid Pressure Sensor/Switch "B" Circuit Low
P0901	Clutch Actuator Circuit Range/Performance
P0935	Hydraulic Pressure Sensor Circuit High
P0942	Hydraulic Pressure Unit
P0944	Hydraulic Pressure Unit Loss of Pressure
P0961	Pressure Control Solenoid "A" Control Circuit Range/Performance
P0A08	DC/DC Converter Status Circuit
P0A0D	High Voltage System Interlock Circuit High

P0A0F	Engine Failed to Start
P0A7F	Hybrid Battery Pack Deterioration
P0A80	Replace Hybrid Battery Pack
P0B22	Hybrid Battery Pack Voltage Sense "D" Circuit Intermittent/Erratic
P0B24	Hybrid Battery "A" Voltage Unstable
P0B26	Hybrid Battery "A" Voltage High
P0B28	Hybrid Battery "B" Voltage Unstable
P0B30	Hybrid Battery "D" Voltage Unstable
P0C00	Drive Motor "A" Current Low

P0C09	Drive Motor "B" Phase U-V-W Circuit Low
P0C11	Drive Motor "A" Inverter Phase U Over Temperature
P0C14	Drive Motor "B" Inverter Phase U Over Temperature
P0C15	Drive Motor "B" Inverter Phase V Over Temperature
P1000	Manufacturer Controlled DTC
P2000	nox Adsorber Efficiency Below Threshold
P2002	Diesel Particulate Filter Efficiency Below Threshold
P2004	Intake Manifold Runner Control Stuck Open
P2006	Intake Manifold Runner Control Stuck Closed

P2022	Intake Manifold Runner Position Sensor/Switch Circuit High
P2101	Throttle Actuator "A" Control Motor Circuit Range/Performance
P2122	Throttle/Pedal Position Sensor/Switch "D" Circuit Low
P2135	Throttle/Pedal Position Sensor/Switch "A"/"B" Voltage Correlation
P2138	Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation
P2181	Cooling System Performance
P2210	nox Sensor Heater Sense Circuit Low
P2213	nox Sensor Circuit
P2237	O2 Sensor Positive Current Control Circuit/Open

P2238	O2 Sensor Positive Current Control Circuit Low
P2251	O2 Sensor Negative Current Control Circuit/Open
P2302	Ignition Coil "A" Secondary Circuit
P2303	Ignition Coil "B" Primary Control Circuit Low
P2305	Ignition Coil "B" Secondary Circuit
P2308	Ignition Coil "C" Secondary
P2401	Evaporative Emission System Leak Detection Pump Control Circuit
P2402	Evaporative Emission System Leak Detection Pump Control Circuit
P2422	Evaporative Emission System Vent Valve Stuck Closed

P2431	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2432	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2500	Generator Lamp/L-Terminal Circuit Low
P2501	Generator Lamp/L-Terminal Circuit High
P2503	Charging System Voltage Low
P2509	ECM/PCM Power Input Signal Intermittent
P250C	Engine Oil Level Sensor Circuit Low
P2601	Coolant Pump "A" Control Circuit Range/Performance
P2607	Intake Air Heater "B" Circuit Low

P2609	Intake Air Heater System Performance
P2610	ECM/PCM Internal Engine Off Timer Performance
P2614	Camshaft Position Signal Output Circuit/Open
P2706	Shift Solenoid "F"
P2711	Unexpected Mechanical Gear Disengagement
P2714	Pressure Control Solenoid "D" Performance/Stuck Off
P2716	Pressure Control Solenoid "D" Electrical
P2723	Pressure Control Solenoid "E" Performance/Stuck Off
P2803	Transmission Range Sensor "B" Circuit High

P2806	Transmission Range Sensor Alignment
P2809	Pressure Control Solenoid "G" Stuck On
P2810	Pressure Control Solenoid "G" Electrical
P2815	Pressure Control Solenoid "G" Control Circuit High
P2A00	O2 Sensor Circuit Range/Performance
P2A01	O2 Sensor Circuit Range/Performance
P2A03	O2 Sensor Circuit Range/Performance
P2A04	O2 Sensor Circuit Range/Performance
P2BA8	nox Exceedence - Interruption of Reagent Dosing Activity

P2BA9	nox Exceedence - Insufficient Reagent Quality
P2BAA	nox Exceedence - Low Reagent Consumption
P2BAB	nox Exceedence - Incorrect EGR Flow
P2BAC	nox Exceedence - Deactivation of EGR
P3000	Manufacturer Controlled DTC
P3100	Manufacturer Controlled DTC
P3200	Manufacturer Controlled DTC
P3400	Cylinder Deactivation System
P3401	Cylinder 1 Deactivation/Intake Valve Control Circuit/Open

U0001	High Speed CAN Communication Bus
U0073	Control Module Communication Bus "A" Off
U0100	Lost Communication With ECM/PCM "A"
U0107	Lost Communication With Throttle Actuator Control Module
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control

Here are the detailed descriptions for all the provided error codes:

P0128 - Coolant thermostat (coolant temperature below thermostat): This code indicates that the engine coolant temperature is below the desired operating temperature as determined by the thermostat.

P0171 - System too lean: This code suggests that the engine is receiving too little fuel in relation to the amount of air being drawn into the engine cylinders.

P0174 - System too lean: Similar to P0171, this code indicates a lean condition in the fuel-to-air mixture, but specifically in bank 2 of the engine.

P0300 - Random/multiple cylinder misfire detected: This code indicates that the engine is experiencing misfires in multiple cylinders, which means that the cylinders are not firing properly.

P0401 - Exhaust gas recirculation "A" flow insufficient detected: This code suggests that the exhaust gas recirculation (EGR) system is not delivering enough recirculated exhaust gas to the intake manifold.

P0420 - Catalyst system efficiency below threshold: This code indicates that the efficiency of the catalytic converter is below the predetermined threshold, suggesting a potential issue with the converter's ability to reduce emissions effectively.

P0440 - Evaporative emission system: This code points to a problem in the evaporative emission control system, which is responsible for preventing the escape of fuel vapors into the atmosphere.

P0442 - Evaporative emission system leak detected (small leak): This code suggests that there is a small leak in the evaporative emission system, allowing fuel vapors to escape.

B0022 - Left Curtain Deployment Control 2 (Subfault): This code refers to a subfault within the left curtain airbag deployment control system.

B0028 - Right Side Airbag Deployment Control (Subfault): This code refers to a subfault within the right side airbag deployment control system.

B0081 - First Row Center Seatbelt Load Limiter Deployment Control (Subfault): This code indicates a subfault within the deployment control system of the load limiter for the first row center seatbelt.

B0083 - Second Row Left Seatbelt Load Limiter Deployment Control (Subfault): This code suggests a subfault within the deployment control system of the load limiter for the second row left seatbelt.

B0090 - Left Frontal Restraints Sensor (Subfault): This code indicates a subfault within the left frontal restraints sensor system, which is responsible for monitoring and detecting impacts for the airbag deployment system.

C0031 - Left Front Wheel Speed Sensor (Subfault): This code points to a subfault within the left front wheel speed sensor circuit, which is responsible for monitoring the rotational speed of the wheel.

C0035 - Right Front Wheel Speed Sensor Supply (Subfault): This code suggests a subfault within the supply circuit for the right front wheel speed sensor.

C0036 - Left Rear Tone Wheel (Subfault): This code indicates a subfault within the tone wheel of the left rear wheel speed sensor, which is used to measure the rotational speed of the wheel.

C0040 - Right Front Wheel Speed Sensor Circuit: This code points to a problem in the circuitry of the right front wheel speed sensor, which monitors the rotational speed of the wheel.

C0045 - Brake Pressure Sensor "B" (Subfault): This code indicates a subfault within the brake pressure sensor "B" circuit, which measures the hydraulic pressure in the brake system.

P0010 - "A" Camshaft Position Actuator Circuit/Open: This code suggests a problem in the circuit or open circuit condition of the "A" camshaft position actuator, which controls the timing of the engine's intake and exhaust valves.

P0011 - "A" Camshaft Position - Timing Over-Advanced or System: This code indicates that the engine's "A" camshaft position is over-advanced or that there is a problem in the system controlling the camshaft timing.

P0012 - "A" Camshaft Position - Timing Over-Retarded: This code suggests that the engine's "A" camshaft position is over-retarded or that there is a problem in the system controlling the camshaft timing.

P0013 - "B" Camshaft Position - Actuator Circuit/Open: This code indicates a problem in the circuit or open circuit condition of the "B" camshaft position actuator, which controls the timing of the engine's intake and exhaust valves.

P0014 - "B" Camshaft Position - Timing Over-Advanced or System: This code suggests that the engine's "B" camshaft position is over-advanced or that there is a problem in the system controlling the camshaft timing.

P0101 - Mass or Volume Air Flow "A" Circuit Range/Performance: This code indicates that the mass or volume air flow sensor circuit is experiencing a range or performance issue, potentially affecting the measurement of incoming air to the engine.

P0102 - Mass or Volume Air Flow "A" Circuit Low: This code suggests that the mass or volume air flow sensor circuit is detecting a low input signal, indicating a potential problem with the sensor or its wiring.

P0113 - Intake Air Temperature Sensor 1 Circuit High: This code indicates that the intake air temperature sensor is reporting a high voltage signal, which may imply a fault in the sensor or its circuitry.

P0135 - O2 Sensor Heater Circuit: This code suggests a problem in the heater circuit of the oxygen (O2) sensor, which is responsible for warming up the sensor quickly for optimal performance.

P0200 - Injector Circuit/Open: This code indicates a problem in the circuit or an open circuit condition of the fuel injector, which may result in fuel delivery issues to the engine cylinders.

P0201 - Injector Circuit/Open - Cylinder 1: This code specifically points to a problem in the circuit or an open circuit condition of the fuel injector for cylinder 1.

P0202 - Injector Circuit/Open - Cylinder 2: This code specifically points to a problem in the circuit or an open circuit condition of the fuel injector for cylinder 2.

P0203 - Injector Circuit/Open - Cylinder 3: This code specifically points to a problem in the circuit or an open circuit condition of the fuel injector for cylinder 3.

P0205 - Injector Circuit/Open - Cylinder 5: This code specifically points to a problem in the circuit or an open circuit condition of the fuel injector for cylinder 5.

P0301 - Cylinder 1 Misfire Detected: This code indicates that cylinder 1 is experiencing a misfire, which means that the cylinder is not firing properly.

P0302 - Cylinder 2 Misfire Detected: This code indicates that cylinder 2 is experiencing a misfire, which means that the cylinder is not firing properly.

P0303 - Cylinder 3 Misfire Detected: This code indicates that cylinder 3 is experiencing a misfire, which means that the cylinder is not firing properly.

P0304 - Cylinder 4 Misfire Detected: This code indicates that cylinder 4 is experiencing a misfire, which means that the cylinder is not firing properly.

P0430 - Catalyst System Efficiency Below Threshold: Similar to P0420, this code indicates that the efficiency of the catalytic converter is below the predetermined threshold, suggesting a potential issue with the converter's ability to reduce emissions effectively.

P0441 - Evaporative Emission System Incorrect Purge Flow: This code suggests that there is an incorrect flow of vapor in the evaporative emission system during the purge cycle.

P0500 - Vehicle Speed Sensor "A": This code indicates a problem with the vehicle speed sensor "A," which measures the rotational speed of the vehicle's wheels.

P0501 - Vehicle Speed Sensor "A" Range/Performance: This code suggests that the vehicle speed sensor "A" is reporting a range or performance issue, potentially affecting the accurate measurement of the vehicle's speed.

P0505 - Idle Air Control System: This code indicates a problem with the idle air control (IAC) system, which is responsible for maintaining the engine's idle speed.

P0506 - Idle Air Control System RPM Lower Than Expected: This code suggests that the engine's idle speed is lower than the expected RPM range, potentially indicating a problem with the idle air control system.

P0507 - Idle Air Control System RPM Higher Than Expected: This code suggests that the engine's idle speed is higher than the expected RPM range, potentially indicating a problem with the idle air control system.

P0600 - Serial Communication Link: This code indicates a problem in the serial communication link between the vehicle's control modules.

P0601 - Internal Control Module Memory Check Sum Error: This code suggests an error in the control module's internal memory check sum, indicating a potential problem with the control module itself.

P0602 - Control Module Programming Error: This code indicates a programming error or inconsistency in the vehicle's control module.

P0603 - Internal Control Module Keep Alive Memory (KAM) Error: This code suggests an error in the control module's keep alive memory, which stores critical information even when the vehicle is turned off.

P0605 - Internal Control Module ROM Error: This code suggests an error in the control module's read-only memory (ROM), potentially indicating a problem with the module itself.

P0700 - Transmission Control System (MIL Request): This code indicates that there is a problem with the vehicle's transmission control system and requests the illumination of the malfunction indicator lamp (MIL) or check engine light.

P0705 - Transmission Range Sensor "A" Circuit (PRNDL Input): This code suggests a problem in the circuit or signal from the transmission range sensor, which detects the position of the gear selector (PRNDL).

P0706 - Transmission Range Sensor "A" Circuit Range/Performance: This code indicates that the transmission range sensor "A" is reporting a range or performance issue, potentially affecting the accurate detection of the gear selector position.

P0720 - Output Speed Sensor Circuit: This code indicates a problem in the circuit or signal from the output speed sensor, which measures the rotational speed of the transmission's output shaft.

P0730 - Incorrect Gear Ratio: This code indicates that the transmission is operating in an incorrect gear ratio, potentially suggesting a problem with the transmission's internal components or sensors.

P0841 - Transmission Fluid Pressure Sensor/Switch "A" Circuit: This code indicates a problem in the circuit or signal from the transmission fluid pressure sensor/switch "A," which monitors the hydraulic pressure in the transmission.

P0842 - Transmission Fluid Pressure Sensor/Switch "A" Circuit Low: This code suggests that the transmission fluid pressure sensor/switch "A" is reporting a low voltage signal, indicating a potential problem with the sensor or its circuit.

P0845 - Transmission Fluid Pressure Sensor/Switch "B" Circuit: This code indicates a problem in the circuit or signal from the transmission fluid pressure sensor/switch "B," which monitors the hydraulic pressure in the transmission.

P0846 - Transmission Fluid Pressure Sensor/Switch "B" Circuit: This code indicates a problem in the circuit or signal from the transmission fluid pressure sensor/switch "B," which monitors the hydraulic pressure in the transmission.

P0847 - Transmission Fluid Pressure Sensor/Switch "B" Circuit Low: This code suggests that the transmission fluid pressure sensor/switch "B" is reporting a low voltage signal, indicating a potential problem with the sensor or its circuit.

P0901 - Clutch Actuator Circuit Range/Performance: This code indicates a range or performance issue in the circuit of the clutch actuator, which is responsible for engaging and disengaging the clutch in manual transmissions.

P0935 - Hydraulic Pressure Sensor Circuit High: This code suggests that the hydraulic pressure sensor circuit is reporting a high voltage signal, indicating a potential fault in the sensor or its circuitry.

P0942 - Hydraulic Pressure Unit: This code indicates a problem with the hydraulic pressure unit, which is responsible for maintaining the correct pressure in the hydraulic system.

P0944 - Hydraulic Pressure Unit Loss of Pressure: This code suggests that the hydraulic pressure unit is experiencing a loss of pressure, potentially indicating a leak or malfunction in the system.

P0961 - Pressure Control Solenoid "A" Control Circuit Range/Performance: This code indicates a range or performance issue in the control circuit of pressure control solenoid "A," which regulates the hydraulic pressure in the transmission.

P0A08 - DC/DC Converter Status Circuit: This code indicates a problem in the circuit or signal from the DC/DC converter, which converts high voltage from the hybrid battery to a lower voltage for auxiliary systems.

P0A0D - High Voltage System Interlock Circuit High: This code suggests that the high voltage system interlock circuit is reporting a high voltage signal, indicating a potential problem with the interlock circuitry.

P0A0F - Engine Failed to Start: This code indicates that the engine failed to start, potentially due to a problem in the hybrid system or related components.

P0A7F - Hybrid Battery Pack Deterioration: This code suggests that the hybrid battery pack is experiencing deterioration or reduced performance.

P0A80 - Replace Hybrid Battery Pack: This code indicates that the hybrid battery pack needs to be replaced due to deterioration or failure.

P0B22 - Hybrid Battery Pack Voltage Sense "D" Circuit Intermittent/Erratic: This code suggests an intermittent or erratic voltage signal in the hybrid battery pack voltage sense "D" circuit.

P0B24 - Hybrid Battery "A" Voltage Unstable: This code indicates that the voltage of hybrid battery "A" is unstable or fluctuating, potentially indicating a problem with the battery or its control circuitry.

P0B26 - Hybrid Battery "A" Voltage High: This code suggests that the voltage of hybrid battery "A" is too high, indicating a potential problem with the battery or its control circuitry.

P0B28 - Hybrid Battery "B" Voltage Unstable: This code indicates that the voltage of hybrid battery "B" is unstable or fluctuating, potentially indicating a problem with the battery or its control circuitry.

P0B30 - Hybrid Battery "D" Voltage Unstable: This code indicates that the voltage of hybrid battery "D" is unstable or fluctuating, potentially indicating a problem with the battery or its control circuitry.

P0C00 - Drive Motor "A" Current Low: This code suggests that the current flowing through drive motor "A" is lower than expected, indicating a potential problem with the motor or its control circuitry.

P0C09 - Drive Motor "B" Phase U-V-W Circuit Low: This code indicates a low voltage condition in the U-V-W phase circuit of drive motor "B," potentially suggesting a fault in the motor or its control circuitry.

P0C11 - Drive Motor "A" Inverter Phase U Over Temperature: This code indicates that phase U of the inverter for drive motor "A" is experiencing an over-temperature condition, potentially indicating a problem with the inverter or motor.

P0C14 - Drive Motor "B" Inverter Phase U Over Temperature: This code indicates that phase U of the inverter for drive motor "B" is experiencing an over-temperature condition, potentially indicating a problem with the inverter or motor.

P0C15 - Drive Motor "B" Inverter Phase V Over Temperature: This code indicates that phase V of the inverter for drive motor "B" is experiencing an over-temperature condition, potentially indicating a problem with the inverter or motor.

P1000 - Manufacturer Controlled DTC: This code indicates that there are no significant issues or faults detected by the manufacturer's diagnostic system.

P2000 - NOx Adsorber Efficiency Below Threshold: This code suggests that the efficiency of the NOx adsorber, a component responsible for reducing nitrogen oxide emissions, is below the predetermined threshold.

P2002 - Diesel Particulate Filter Efficiency Below Threshold: This code indicates that the efficiency of the diesel particulate filter, which captures and removes soot from the exhaust gases, is below the predetermined threshold.

P2004 - Intake Manifold Runner Control Stuck Open: This code suggests that the intake manifold runner control, which regulates the airflow in the intake manifold, is stuck in the open position.

P2006 - Intake Manifold Runner Control Stuck Closed: This code suggests that the intake manifold runner control is stuck in the closed position, potentially affecting the airflow in the intake manifold.

P2022 - Intake Manifold Runner Position Sensor/Switch Circuit High: This code indicates that the circuit for the intake manifold runner position sensor/switch is reporting a high voltage signal, indicating a potential problem with the sensor or its circuitry.

P2101 - Throttle Actuator "A" Control Motor Circuit Range/Performance: This code suggests a range or performance issue in the circuit of the throttle actuator control motor "A," which controls the opening and closing of the throttle valve.

P2122 - Throttle/Pedal Position Sensor/Switch "D" Circuit Low: This code suggests that the circuit for throttle/pedal position sensor/switch "D" is reporting a low voltage signal, indicating a potential problem with the sensor or its circuitry.

P2135 - Throttle/Pedal Position Sensor/Switch "A"/"B" Voltage Correlation: This code indicates a voltage correlation problem between throttle/pedal position sensor/switch "A" and "B," suggesting a potential fault in the sensors or their circuitry.

P2138 - Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation: This code indicates a voltage correlation problem between throttle/pedal position sensor/switch "D" and "E," suggesting a potential fault in the sensors or their circuitry.

P2181 - Cooling System Performance: This code suggests a problem with the performance of the vehicle's cooling system, which may include issues with the radiator, thermostat, or coolant flow.

P2210 - NOx Sensor Heater Sense Circuit Low: This code indicates that the NOx sensor heater sense circuit is reporting a low voltage signal, indicating a potential problem with the sensor or its circuitry.

P2213 - NOx Sensor Circuit: This code suggests a problem with the circuit or signal from the NOx sensor, which measures the level of nitrogen oxide emissions in the exhaust gases.

P2237 - O2 Sensor Positive Current Control Circuit/Open: This code indicates a problem in the circuit or open circuit condition of the O2 sensor positive current control, which is responsible for controlling the current flow in the oxygen sensor.

P2238 - O2 Sensor Positive Current Control Circuit Low: This code suggests that the O2 sensor positive current control circuit is reporting a low voltage signal, indicating a potential problem with the sensor or its circuitry.

P2251 - O2 Sensor Negative Current Control Circuit/Open: This code indicates a problem in the circuit or open circuit condition of the O2 sensor negative current control, which is responsible for controlling the current flow in the oxygen sensor.

P2302 - Ignition Coil "A" Secondary Circuit: This code suggests a problem in the secondary circuit of ignition coil "A," potentially indicating a fault in the coil or its circuitry.

P2303 - Ignition Coil "B" Primary Control Circuit Low: This code indicates that the primary control circuit of ignition coil "B" is reporting a low voltage signal, potentially indicating a problem with the coil or its circuitry.

P2305 - Ignition Coil "B" Secondary Circuit: This code suggests a problem in the secondary circuit of ignition coil "B," potentially indicating a fault in the coil or its circuitry.

P2308 - Ignition Coil "C" Secondary: This code suggests a problem in the secondary circuit of ignition coil "C," potentially indicating a fault in the coil or its circuitry.

P2401 - Evaporative Emission System Leak Detection Pump Control Circuit: This code indicates a problem in the circuit or signal from the evaporative emission system leak detection pump control, which controls the operation of the pump.

P2402 - Evaporative Emission System Leak Detection Pump Control Circuit: This code indicates a problem in the circuit or signal from the evaporative emission system leak detection pump control, which controls the operation of the pump.

P2422 - Evaporative Emission System Vent Valve Stuck Closed: This code suggests that the vent valve in the evaporative emission system is stuck in the closed position, potentially causing a restriction in the system.

P2431 - Secondary Air Injection System Air Flow/Pressure Sensor Circuit: This code indicates a problem with the circuit or signal from the secondary air injection system air flow/pressure sensor, which measures the airflow or pressure in the system.

P2432 - Secondary Air Injection System Air Flow/Pressure Sensor Circuit: This code indicates a problem with the circuit or signal from the secondary air injection system air flow/pressure sensor, which measures the airflow or pressure in the system.

P2500 - Generator Lamp/L-Terminal Circuit Low: This code suggests that the generator lamp or L-terminal circuit is reporting a low voltage signal, indicating a potential problem with the circuit or wiring.

P2501 - Generator Lamp/L-Terminal Circuit High: This code suggests that the generator lamp or L-terminal circuit is reporting a high voltage signal, indicating a potential problem with the circuit or wiring.

P2503 - Charging System Voltage Low: This code indicates that the vehicle's charging system voltage is below the expected range, potentially indicating a problem with the battery, alternator, or related components.

P2509 - ECM/PCM Power Input Signal Intermittent: This code suggests that the power input signal to the engine control module (ECM) or powertrain control module (PCM) is experiencing intermittent interruptions, potentially indicating a problem with the electrical connection or wiring.

P250C - Engine Oil Level Sensor Circuit Low: This code suggests that the engine oil level sensor circuit is reporting a low voltage signal, indicating a potential problem with the sensor or its circuitry.

P2601 - Coolant Pump "A" Control Circuit Range/Performance: This code suggests a range or performance issue in the control circuit of coolant pump "A," which regulates the flow of coolant through the engine.

P2607 - Intake Air Heater "B" Circuit Low: This code indicates a low voltage condition in the circuit of intake air heater "B," which helps warm up the incoming air in cold conditions.

P2609 - Intake Air Heater System Performance: This code indicates a performance issue in the intake air heater system, potentially affecting its ability to warm up the incoming air properly.

P2610 - ECM/PCM Internal Engine Off Timer Performance: This code suggests a performance issue with the internal engine off timer in the ECM or PCM, potentially affecting the timing and operation of certain engine functions.

P2614 - Camshaft Position Signal Output Circuit/Open: This code suggests a problem in the circuit or open circuit condition of the camshaft position signal output, potentially indicating a fault in the sensor or its circuitry.

P2706 - Shift Solenoid "F": This code indicates a problem with shift solenoid "F," which is responsible for controlling the shifting of gears in the transmission.

P2711 - Unexpected Mechanical Gear Disengagement: This code suggests an unexpected disengagement of a mechanical gear in the transmission, potentially indicating a problem with the transmission's internal components.

P2714 - Pressure Control Solenoid "D" Performance/Stuck Off: This code suggests a performance issue or being stuck in the off position with pressure control solenoid "D," which controls the hydraulic pressure in the transmission.

P2716 - Pressure Control Solenoid "D" Electrical: This code indicates an electrical problem with pressure control solenoid "D," potentially affecting its ability to control the hydraulic pressure in the transmission.

P2723 - Pressure Control Solenoid "E" Performance/Stuck Off: This code suggests a performance issue or being stuck in the off position with pressure control solenoid "E," which controls the hydraulic pressure in the transmission.

P2803 - Transmission Range Sensor "B" Circuit High: This code indicates that the circuit for transmission range sensor "B" is reporting a high voltage signal, potentially indicating a problem with the sensor or its circuitry.

P2806 - Transmission Range Sensor Alignment: This code indicates a misalignment or incorrect configuration of the transmission range sensor, potentially affecting the accurate detection of the gear selector position.

P2809 - Pressure Control Solenoid "G" Stuck On: This code suggests that pressure control solenoid "G" is stuck in the on position, potentially causing abnormal hydraulic pressure in the transmission.

P2810 - Pressure Control Solenoid "G" Electrical: This code indicates an electrical problem with pressure control solenoid "G," potentially affecting its ability to control the hydraulic pressure in the transmission.

P2815 - Pressure Control Solenoid "G" Control Circuit High: This code indicates that the control circuit for pressure control solenoid "G" is reporting a high voltage signal, potentially indicating a problem with the solenoid or its circuitry.

P2A00 - O2 Sensor Circuit Range/Performance: This code suggests a range or performance issue in the circuit or operation of the oxygen sensor, which measures the oxygen content in the exhaust gases.

P2A01 - O2 Sensor Circuit Range/Performance: Similar to P2A00, this code indicates a range or performance issue in the circuit or operation of another oxygen sensor.

P2A03 - O2 Sensor Circuit Range/Performance: Similar to P2A00, this code indicates a range or performance issue in the circuit or operation of another oxygen sensor.

P2A04 - O2 Sensor Circuit Range/Performance: Similar to P2A00, this code indicates a range or performance issue in the circuit or operation of another oxygen sensor.

P2BA8 - NOx Exceedence - Interruption of Reagent Dosing Activity: This code indicates an exceedence of NOx emissions and suggests an interruption in the dosing activity of the reagent used in NOx reduction.

P2BA9 - NOx Exceedence - Insufficient Reagent Quality: This code suggests an exceedence of NOx emissions due to insufficient quality or concentration of the reagent used in NOx reduction.

P2BAA - NOx Exceedence - Low Reagent Consumption: This code indicates an exceedence of NOx emissions and suggests that the reagent used in NOx reduction is being consumed at a lower rate than expected.

P2BAB - NOx Exceedence - Incorrect EGR Flow: This code suggests an exceedence of NOx emissions due to incorrect flow of exhaust gas recirculation (EGR), potentially indicating a problem with the EGR system.

P2BAC - NOx Exceedence - Deactivation of EGR: This code indicates an exceedence of NOx emissions due to the deactivation or failure of the exhaust gas recirculation (EGR) system.

P3000 - Manufacturer Controlled DTC: This code indicates that there are no significant issues or faults detected by the manufacturer's diagnostic system.

P3100 - Manufacturer Controlled DTC: This code indicates that there are no significant issues or faults detected by the manufacturer's diagnostic system.

P3200 - Manufacturer Controlled DTC: This code indicates that there are no significant issues or faults detected by the manufacturer's diagnostic system.

P3400 - Cylinder Deactivation System: This code suggests a problem with the cylinder deactivation system, which allows the engine to deactivate certain cylinders to improve fuel efficiency.

P3401 - Cylinder 1 Deactivation/Intake Valve Control Circuit/Open: This code specifically points to a problem in the circuit or open circuit condition of the intake valve control for cylinder 1 in the cylinder deactivation system.

U0001 - High Speed CAN Communication Bus: This code indicates a problem with the high-speed CAN (Controller Area Network) communication bus, which is used by various control modules in the vehicle to exchange data.

U0073 - Control Module Communication Bus "A" Off: This code suggests that the communication bus "A" for control modules is not operational or has been turned off.

U0100 - Lost Communication With ECM/PCM "A": This code indicates a loss of communication with the ECM (Engine Control Module) or PCM (Powertrain Control Module), potentially due to a problem with the module itself or the communication network.

U0107 - Lost Communication With Throttle Actuator Control Module: This code indicates a loss of communication with the throttle actuator control module, potentially due to a problem with the module itself or the communication network.

U0121 - Lost Communication With Anti-Lock Brake System (ABS) Control: This code suggests a loss of communication with the ABS control module, potentially due to a problem with the module itself or the communication network.

END