



P2xxx OBD2 Codes List

Code	Definition
P2000	nox Adsorber Efficiency Below Threshold
P2001	nox Adsorber Efficiency Below Threshold
P2002	Diesel Particulate Filter Efficiency Below Threshold
P2003	Diesel Particulate Filter Efficiency Below Threshold
P2004	Intake Manifold Runner Control Stuck Open
P2005	Intake Manifold Runner Control Stuck Open
P2006	Intake Manifold Runner Control Stuck Closed
P2007	Intake Manifold Runner Control Stuck Closed
P2008	Intake Manifold Runner Control Circuit/Open
P2009	Intake Manifold Runner Control Circuit Low
P200A	Intake Manifold Runner Performance
P200B	Intake Manifold Runner Performance
P200C	Diesel Particulate Filter Over Temperature
P200D	Diesel Particulate Filter Over Temperature
P200E	Catalyst System Over Temperature
P200F	Catalyst System Over Temperature
P2010	Intake Manifold Runner Control Circuit High
P2011	Intake Manifold Runner Control Circuit/Open
P2012	Intake Manifold Runner Control Circuit Low
P2013	Intake Manifold Runner Control Circuit High
P2014	Intake Manifold Runner Position Sensor/Switch Circuit
P2015	Intake Manifold Runner Position Sensor/Switch Circuit
P2016	Intake Manifold Runner Position Sensor/Switch Circuit Low
P2017	Intake Manifold Runner Position Sensor/Switch Circuit High
P2018	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent
P2019	Intake Manifold Runner Position Sensor/Switch Circuit
P201A	Reductant Injection Valve Circuit Range/Performance
P2020	Intake Manifold Runner Position Sensor/Switch Circuit
P2021	Intake Manifold Runner Position Sensor/Switch Circuit Low
P2022	Intake Manifold Runner Position Sensor/Switch Circuit High
P2023	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent
P2024	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor
P2025	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor
P2026	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor
P2027	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor
P2028	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor
P2029	Fuel Fired Heater Disabled
P202A	Reductant Tank Heater Control Circuit/Open
P202B	Reductant Tank Heater Control Circuit Low
P202C	Reductant Tank Heater Control Circuit High
P202D	Reductant Leakage
P202E	Reductant Injection Valve Circuit Range/Performance
P202F	Reductant/Regeneration Supply Control Circuit Range/Performance

P2030	Fuel Fired Heater Performance
P2031	Exhaust Gas Temperature Sensor Circuit
P2032	Exhaust Gas Temperature Sensor Circuit Low
P2033	Exhaust Gas Temperature Sensor Circuit High
P2034	Exhaust Gas Temperature Sensor Circuit
P2035	Exhaust Gas Temperature Sensor Circuit Low
P2036	Exhaust Gas Temperature Sensor Circuit High
P2037	Reductant Injection Air Pressure Sensor "A" Circuit
P2038	Reductant Injection Air Pressure Sensor "A" Circuit
P2039	Reductant Injection Air Pressure Sensor "A" Circuit Low
P203A	Reductant Level Sensor Circuit
P203B	Reductant Level Sensor Circuit Range/Performance
P203C	Reductant Level Sensor Circuit Low
P203D	Reductant Level Sensor Circuit High
P203E	Reductant Level Sensor Circuit Intermittent/Erratic
P203F	Reductant Level Too Low
P2040	Reductant Injection Air Pressure Sensor "A" Circuit High
P2041	Reductant Injection Air Pressure Sensor "A" Circuit Intermittent
P2042	Reductant Temperature Sensor Circuit
P2043	Reductant Temperature Sensor Circuit Range/Performance
P2044	Reductant Temperature Sensor Circuit Low
P2045	Reductant Temperature Sensor Circuit High
P2046	Reductant Temperature Sensor Circuit Intermittent
P2047	Reductant Injection Valve Circuit/Open
P2048	Reductant Injection Valve Circuit Low
P2049	Reductant Injection Valve Circuit High
P204A	Reductant Pressure Sensor Circuit
P204B	Reductant Pressure Sensor Circuit Range/Performance
P204C	Reductant Pressure Sensor Circuit Low
P204D	Reductant Pressure Sensor Circuit High
P204E	Reductant Pressure Sensor Circuit Intermittent/Erratic
P204F	Reductant System Performance
P2050	Reductant Injection Valve Circuit/Open
P2051	Reductant Injection Valve Circuit Low
P2052	Reductant Injection Valve Circuit High
P2053	Reductant Injection Valve Circuit/Open
P2054	Reductant Injection Valve Circuit Low
P2055	Reductant Injection Valve Circuit High
P2056	Reductant Injection Valve Circuit/Open
P2057	Reductant Injection Valve Circuit Low
P2058	Reductant Injection Valve Circuit High
P2059	Reductant Injection Air Pump Control Circuit/Open
P205A	Reductant Tank Temperature Sensor Circuit
P205B	Reductant Tank Temperature Sensor Circuit Range/Performance
P205C	Reductant Tank Temperature Sensor Circuit Low
P205D	Reductant Tank Temperature Sensor Circuit High
P205E	Reductant Tank Temperature Sensor Circuit Intermittent/Erratic
P205F	Reductant System Performance

P2060	Reductant Injection Air Pump Control Circuit Low
P2061	Reductant Injection Air Pump Control Circuit High
P2062	Reductant/Regeneration Supply Control Circuit/Open
P2063	Reductant/Regeneration Supply Control Circuit Low
P2064	Reductant/Regeneration Supply Control Circuit High
P2065	Fuel Level Sensor "B" Circuit
P2066	Fuel Level Sensor "B" Performance
P2067	Fuel Level Sensor "B" Circuit Low
P2068	Fuel Level Sensor "B" Circuit High
P2069	Fuel Level Sensor "B" Circuit Intermittent
P206A	Reductant Quality Sensor Circuit
P206B	Reductant Quality Sensor Circuit Range/Performance
P206C	Reductant Quality Sensor Circuit Low
P206D	Reductant Quality Sensor Circuit High
P206E	Intake Manifold Tuning (IMT) Valve Stuck Open
P206F	Intake Manifold Tuning (IMT) Valve Stuck Closed
P2070	Intake Manifold Tuning (IMT) Valve Stuck Open
P2071	Intake Manifold Tuning (IMT) Valve Stuck Closed
P2072	Throttle Actuator Control System - Ice Blockage
P2073	Manifold Absolute Pressure/Mass Air Flow - Throttle Position
P2074	Manifold Absolute Pressure/Mass Air Flow - Throttle Position
P2075	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P2076	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P2077	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P2078	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P2079	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P207A	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P207B	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P207C	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P207D	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P207E	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P207F	Reductant Quality Performance
P2080	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2081	Exhaust Gas Temperature Sensor Circuit Intermittent
P2082	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2083	Exhaust Gas Temperature Sensor Circuit Intermittent
P2084	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2085	Exhaust Gas Temperature Sensor Circuit Intermittent
P2086	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2087	Exhaust Gas Temperature Sensor Circuit Intermittent
P2088	"A" Camshaft Position Actuator Control Circuit Low
P2089	"A" Camshaft Position Actuator Control Circuit High
P208A	Reductant Pump Control Circuit/Open
P208B	Reductant Pump Control Range/Performance
P208C	Reductant Pump Control Circuit Low
P208D	Reductant Pump Control Circuit High
P208E	Reductant Injection Valve Stuck Closed
P208F	Reductant Injection Valve Stuck Closed

P2090	"B" Camshaft Position Actuator Control Circuit Low
P2091	"B" Camshaft Position Actuator Control Circuit High
P2092	"A" Camshaft Position Actuator Control Circuit Low
P2093	"A" Camshaft Position Actuator Control Circuit High
P2094	"B" Camshaft Position Actuator Control Circuit Low
P2095	"B" Camshaft Position Actuator Control Circuit High
P2096	Post Catalyst Fuel Trim System Too Lean
P2097	Post Catalyst Fuel Trim System Too Rich
P2098	Post Catalyst Fuel Trim System Too Lean
P2099	Post Catalyst Fuel Trim System Too Rich
P209A	Reductant Injection Air Pressure Sensor "B" Circuit
P209B	Reductant Injection Air Pressure Sensor "B" Circuit
P209C	Reductant Injection Air Pressure Sensor "B" Circuit Low
P209D	Reductant Injection Air Pressure Sensor "B" Circuit High
P209E	Reductant Injection Air Pressure Sensor "A"/"B" Correlation
P209F	Reductant Tank Heater Control Circuit Performance
P20A0	Reductant Purge Control Valve Circuit /Open
P20A1	Reductant Purge Control Valve Performance
P20A2	Reductant Purge Control Valve Circuit Low
P20A3	Reductant Purge Control Valve Circuit High
P20A4	Reductant Purge Control Valve Stuck Open
P20A5	Reductant Purge Control Valve Stuck Closed
P20A6	Reductant Injection Air Pressure Control Valve Circuit/Open
P20A7	Reductant Injection Air Pressure Control Valve Performance
P20A8	Reductant Injection Air Pressure Control Valve Circuit Low
P20A9	Reductant Injection Air Pressure Control Valve Circuit High
P20AA	Reductant Injection Air Pressure Control Valve Stuck Open
P20AB	Reductant Injection Air Pressure Control Valve Stuck Closed
P20AC	Reductant Metering Unit Temperature Sensor Circuit
P20AD	Reductant Metering Unit Temperature Sensor Circuit
P20AE	Reductant Metering Unit Temperature Sensor Circuit Low
P20AF	Reductant Metering Unit Temperature Sensor Circuit High
P20B0	Reductant Metering Unit Temperature Sensor Circuit
P20B1	Reductant Heater Coolant Control Valve Circuit/Open
P20B2	Reductant Heater Coolant Control Valve Performance
P20B3	Reductant Heater Coolant Control Valve Circuit Low
P20B4	Reductant Heater Coolant Control Valve Circuit High
P20B5	Reductant Metering Unit Heater Control Circuit/Open
P20B6	Reductant Metering Unit Heater Control Circuit Performance
P20B7	Reductant Metering Unit Heater Control Circuit Low
P20B8	Reductant Metering Unit Heater Control Circuit High
P20B9	Reductant Heater "A" Control Circuit/Open
P20BA	Reductant Heater "A" Control Circuit Performance
P20BB	Reductant Heater "A" Control Circuit Low
P20BC	Reductant Heater "A" Control Circuit High
P20BD	Reductant Heater "B" Control Circuit/Open
P20BE	Reductant Heater "B" Control Circuit Performance
P20BF	Reductant Heater "B" Control Circuit Low

P20C0	Reductant Heater "B" Control Circuit High
P20C1	Reductant Heater "C" Control Circuit/Open
P20C2	Reductant Heater "C" Control Circuit Performance
P20C3	Reductant Heater "C" Control Circuit Low
P20C4	Reductant Heater "C" Control Circuit High
P20C5	Reductant Heater "D" Control Circuit/Open
P20C6	Reductant Heater "D" Control Circuit Performance
P20C7	Reductant Heater "D" Control Circuit Low
P20C8	Reductant Heater "D" Control Circuit High
P20C9	Reductant Control Module Requested MIL Illumination
P20CA	Reductant Injection Air Pressure Leakage
P20CB	Exhaust Aftertreatment Fuel Injector "A" Control Circuit/Open
P20CC	Exhaust Aftertreatment Fuel Injector "A" Control Performance
P20CD	Exhaust Aftertreatment Fuel Injector "A" Control Circuit Low
P20CE	Exhaust Aftertreatment Fuel Injector "A" Control Circuit High
P20CF	Exhaust Aftertreatment Fuel Injector "A" Stuck Open
P20D0	Exhaust Aftertreatment Fuel Injector "A" Stuck Closed
P20D1	Exhaust Aftertreatment Fuel Injector "B" Control Circuit/Open
P20D2	Exhaust Aftertreatment Fuel Injector "B" Control Performance
P20D3	Exhaust Aftertreatment Fuel Injector "B" Control Circuit Low
P20D4	Exhaust Aftertreatment Fuel Injector "B" Control Circuit High
P20D5	Exhaust Aftertreatment Fuel Injector "B" Stuck Open
P20D6	Exhaust Aftertreatment Fuel Injector "B" Stuck Closed
P20D7	Exhaust Aftertreatment Fuel Supply Control Circuit/Open
P20D8	Exhaust Aftertreatment Fuel Supply Control Performance
P20D9	Exhaust Aftertreatment Fuel Supply Control Circuit Low
P20DA	Exhaust Aftertreatment Fuel Supply Control Circuit High
P20DB	Exhaust Aftertreatment Fuel Supply Control Stuck Open
P20DC	Exhaust Aftertreatment Fuel Supply Control Stuck Closed
P20DD	Exhaust Aftertreatment Fuel Pressure Sensor Circuit
P20DE	Exhaust Aftertreatment Fuel Pressure Sensor Circuit
P20DF	Exhaust Aftertreatment Fuel Pressure Sensor Circuit Low
P20E0	Exhaust Aftertreatment Fuel Pressure Sensor Circuit High
P20E1	Exhaust Aftertreatment Fuel Pressure Sensor Circuit
P20E2	Exhaust Gas Temperature Sensor 1/2 Correlation
P20E3	Exhaust Gas Temperature Sensor 1/3 Correlation
P20E4	Exhaust Gas Temperature Sensor 2/3 Correlation
P20E5	Exhaust Gas Temperature Sensor 1/2 Correlation
P20E6	Reductant Injection Air Pressure Too Low
P20E7	Reductant Injection Air Pressure Too High
P20E8	Reductant Pressure Too Low
P20E9	Reductant Pressure Too High
P20EA	Reductant Control Module Power Relay De-Energized Performance
P20EB	Reductant Control Module Power Relay De-Energized Performance
P20EC	SCR nox Catalyst - Over Temperature
P20ED	SCR nox Pre-Catalyst - Over Temperature
P20EE	SCR nox Catalyst Efficiency Below Threshold
P20EF	SCR nox Pre- Catalyst Efficiency Below Threshold

P20F0	SCR nox Catalyst - Over Temperature
P20F1	SCR nox Pre-Catalyst - Over Temperature
P20F2	SCR nox Catalyst Efficiency Below Threshold
P20F3	SCR nox Pre- Catalyst Efficiency Below Threshold
P20F4	Reductant Consumption Too Low
P20F5	Reductant Consumption Too High
P20F6	Reductant Injection Valve Stuck Open
P20F7	Reductant Injection Valve Stuck Open
P2100	Throttle Actuator "A" Control Motor Circuit/Open
P2101	Throttle Actuator "A" Control Motor Circuit Range/Performance
P2102	Throttle Actuator "A" Control Motor Circuit Low
P2103	Throttle Actuator "A" Control Motor Circuit High
P2104	Throttle Actuator Control System - Forced Idle
P2105	Throttle Actuator Control System - Forced Engine Shutdown
P2106	Throttle Actuator Control System - Forced Limited Power
P2107	Throttle Actuator Control Module Processor
P2108	Throttle Actuator Control Module Performance
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance
P210A	Throttle Actuator "B" Control Motor Circuit/Open
P210B	Throttle Actuator "B" Control Motor Circuit Range/Performance
P210C	Throttle Actuator "B" Control Motor Circuit Low
P210D	Throttle Actuator "B" Control Motor Circuit High
P210E	Throttle/Pedal Position Sensor/Switch "C"/"F" Voltage Correlation
P2110	Throttle Actuator Control System - Forced Limited RPM
P2111	Throttle Actuator Control System - Stuck Open
P2112	Throttle Actuator Control System - Stuck Closed
P2113	Throttle/Pedal Position Sensor "B" Minimum Stop Performance
P2114	Throttle/Pedal Position Sensor "C" Minimum Stop Performance
P2115	Throttle/Pedal Position Sensor "D" Minimum Stop Performance
P2116	Throttle/Pedal Position Sensor "E" Minimum Stop Performance
P2117	Throttle/Pedal Position Sensor "F" Minimum Stop Performance
P2118	Throttle Actuator Control Motor Current Range/Performance
P2119	Throttle Actuator Control Throttle Body Range/Performance
P2120	Throttle/Pedal Position Sensor/Switch "D" Circuit
P2121	Throttle/Pedal Position Sensor/Switch "D" Circuit
P2122	Throttle/Pedal Position Sensor/Switch "D" Circuit Low
P2123	Throttle/Pedal Position Sensor/Switch "D" Circuit High
P2124	Throttle/Pedal Position Sensor/Switch "D" Circuit Intermittent
P2125	Throttle/Pedal Position Sensor/Switch "E" Circuit
P2126	Throttle/Pedal Position Sensor/Switch "E" Circuit
P2127	Throttle/Pedal Position Sensor/Switch "E" Circuit Low
P2128	Throttle/Pedal Position Sensor/Switch "E" Circuit High
P2129	Throttle/Pedal Position Sensor/Switch "E" Circuit Intermittent
P212A	Throttle Position Sensor/Switch "G" Circuit
P212B	Throttle Position Sensor/Switch "G" Circuit Range/Performance
P212C	Throttle Position Sensor/Switch "G" Circuit Low
P212D	Throttle Position Sensor/Switch "G" Circuit High
P212E	Throttle Position Sensor/Switch "G" Circuit Intermittent

P2130	Throttle/Pedal Position Sensor/Switch "F" Circuit
P2131	Throttle/Pedal Position Sensor/Switch "F" Circuit
P2132	Throttle/Pedal Position Sensor/Switch "F" Circuit Low
P2133	Throttle/Pedal Position Sensor/Switch "F" Circuit High
P2134	Throttle/Pedal Position Sensor/Switch "F" Circuit Intermittent
P2135	Throttle/Pedal Position Sensor/Switch "A"/"B" Voltage Correlation
P2136	Throttle/Pedal Position Sensor/Switch "A"/"C" Voltage Correlation
P2137	Throttle/Pedal Position Sensor/Switch "B"/"C" Voltage Correlation
P2138	Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation
P2139	Throttle/Pedal Position Sensor/Switch "D"/"F" Voltage Correlation
P213A	Exhaust Gas Recirculation Throttle Control Circuit "B" /Open
P213B	Exhaust Gas Recirculation Throttle Control Circuit "B"
P213C	Exhaust Gas Recirculation Throttle Control Circuit "B" Low
P213D	Exhaust Gas Recirculation Throttle Control Circuit "B" High
P213E	Fuel Injection System Fault - Forced Engine Shutdown
P213F	Fuel Pump System Fault - Forced Engine Shutdown
P2140	Throttle/Pedal Position Sensor/Switch "E"/"F" Voltage Correlation
P2141	Exhaust Gas Recirculation Throttle Control Circuit "A" Low
P2142	Exhaust Gas Recirculation Throttle Control Circuit "A" High
P2143	Exhaust Gas Recirculation Vent Control Circuit/Open
P2144	Exhaust Gas Recirculation Vent Control Circuit Low
P2145	Exhaust Gas Recirculation Vent Control Circuit High
P2146	Fuel Injector Group "A" Supply Voltage Circuit/Open
P2147	Fuel Injector Group "A" Supply Voltage Circuit Low
P2148	Fuel Injector Group "A" Supply Voltage Circuit High
P2149	Fuel Injector Group "B" Supply Voltage Circuit/Open
P2150	Fuel Injector Group "B" Supply Voltage Circuit Low
P2151	Fuel Injector Group "B" Supply Voltage Circuit High
P2152	Fuel Injector Group "C" Supply Voltage Circuit/Open
P2153	Fuel Injector Group "C" Supply Voltage Circuit Low
P2154	Fuel Injector Group "C" Supply Voltage Circuit High
P2155	Fuel Injector Group "D" Supply Voltage Circuit/Open
P2156	Fuel Injector Group "D" Supply Voltage Circuit Low
P2157	Fuel Injector Group "D" Supply Voltage Circuit High
P2158	Vehicle Speed Sensor "B"
P2159	Vehicle Speed Sensor "B" Range/Performance
P215A	Vehicle Speed - Wheel Speed Correlation
P215B	Vehicle Speed - Output Shaft Speed Correlation
P215C	Output Shaft Speed - Wheel Speed Correlation
P2160	Vehicle Speed Sensor "B" Circuit Low
P2161	Vehicle Speed Sensor "B" Intermittent/Erratic/High
P2162	Vehicle Speed Sensor "A"/"B" Correlation
P2163	Throttle/Pedal Position Sensor "A" Maximum Stop Performance
P2164	Throttle/Pedal Position Sensor "B" Maximum Stop Performance
P2165	Throttle/Pedal Position Sensor "C" Maximum Stop Performance
P2166	Throttle/Pedal Position Sensor "D" Maximum Stop Performance
P2167	Throttle/Pedal Position Sensor "E" Maximum Stop Performance
P2168	Throttle/Pedal Position Sensor "F" Maximum Stop Performance

P2169	Exhaust Pressure Regulator Vent Solenoid Control Circuit/Open
P216A	Fuel Injector Group "E" Supply Voltage Circuit/Open
P216B	Fuel Injector Group "E" Supply Voltage Circuit Low
P216C	Fuel Injector Group "E" Supply Voltage Circuit High
P216D	Fuel Injector Group "F" Supply Voltage Circuit/Open
P216E	Fuel Injector Group "F" Supply Voltage Circuit Low
P216F	Fuel Injector Group "F" Supply Voltage Circuit High
P2170	Exhaust Pressure Regulator Vent Solenoid Control Circuit Low
P2171	Exhaust Pressure Regulator Vent Solenoid Control Circuit High
P2172	Throttle Actuator Control System - Sudden High Air Flow Detected
P2173	Throttle Actuator Control System - High Air Flow Detected
P2174	Throttle Actuator Control System - Sudden Low Air Flow Detected
P2175	Throttle Actuator Control System - Low Air Flow Detected
P2176	Throttle Actuator Control System - Idle Position not Learned
P2177	System Too Lean Off Idle
P2178	System Too Rich Off Idle
P2179	System Too Lean Off Idle
P217A	Fuel Injector Group "G" Supply Voltage Circuit/Open
P217B	Fuel Injector Group "G" Supply Voltage Circuit Low
P217C	Fuel Injector Group "G" Supply Voltage Circuit High
P217D	Fuel Injector Group "H" Supply Voltage Circuit/Open
P217E	Fuel Injector Group "H" Supply Voltage Circuit Low
P217F	Fuel Injector Group "H" Supply Voltage Circuit High
P2180	System Too Rich Off Idle
P2181	Cooling System Performance
P2182	Engine Coolant Temperature Sensor 2 Circuit
P2183	Engine Coolant Temperature Sensor 2 Circuit Range/Performance
P2184	Engine Coolant Temperature Sensor 2 Circuit Low
P2185	Engine Coolant Temperature Sensor 2 Circuit High
P2186	Engine Coolant Temperature Sensor 2 Circuit Intermittent/Erratic
P2187	System Too Lean at Idle
P2188	System Too Rich at Idle
P2189	System Too Lean at Idle
P2190	System Too Rich at Idle
P2191	System Too Lean at Higher Load
P2192	System Too Rich at Higher Load
P2193	System Too Lean at Higher Load
P2194	System Too Rich at Higher Load
P2195	O2 Sensor Signal Biased/Stuck Lean
P2196	O2 Sensor Signal Biased/Stuck Rich
P2197	O2 Sensor Signal Biased/Stuck Lean
P2198	O2 Sensor Signal Biased/Stuck Rich
P2199	Intake Air Temperature Sensor 1/2 Correlation
P2200	nox Sensor Circuit
P2201	nox Sensor Circuit Range/Performance
P2202	nox Sensor Circuit Low
P2203	nox Sensor Circuit High
P2204	nox Sensor Circuit Intermittent

P2205	nox Sensor Heater Control Circuit/Open
P2206	nox Sensor Heater Control Circuit Low
P2207	nox Sensor Heater Control Circuit High
P2208	nox Sensor Heater Sense Circuit
P2209	nox Sensor Heater Sense Circuit Range/Performance
P2210	nox Sensor Heater Sense Circuit Low
P2211	nox Sensor Heater Sense Circuit High
P2212	nox Sensor Heater Sense Circuit Intermittent
P2213	nox Sensor Circuit
P2214	nox Sensor Circuit Range/Performance
P2215	nox Sensor Circuit Low
P2216	nox Sensor Circuit High
P2217	nox Sensor Circuit Intermittent
P2218	nox Sensor Heater Control Circuit/Open
P2219	nox Sensor Heater Control Circuit Low
P2220	nox Sensor Heater Control Circuit High
P2221	nox Sensor Heater Sense Circuit
P2222	nox Sensor Heater Sense Circuit Range/Performance
P2223	nox Sensor Heater Sense Circuit Low
P2224	nox Sensor Heater Sense Circuit High
P2225	nox Sensor Heater Sense Circuit Intermittent
P2226	Barometric Pressure Sensor "A" Circuit
P2227	Barometric Pressure Sensor "A" Circuit Range/Performance
P2228	Barometric Pressure Sensor "A" Circuit Low
P2229	Barometric Pressure Sensor "A" Circuit High
P222A	Barometric Pressure Sensor "B" Circuit
P222B	Barometric Pressure Sensor "B" Circuit Range/Performance
P222C	Barometric Pressure Sensor "B" Circuit Low
P222D	Barometric Pressure Sensor "B" Circuit High
P222E	Barometric Pressure Sensor "B" Circuit Intermittent/Erratic
P222F	Barometric Pressure Sensor "A"/"B" Correlation
P2230	Barometric Pressure Sensor "A" Circuit Intermittent/Erratic
P2231	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2232	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2233	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2234	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2235	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2236	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2237	O2 Sensor Positive Current Control Circuit/Open
P2238	O2 Sensor Positive Current Control Circuit Low
P2239	O2 Sensor Positive Current Control Circuit High
P2240	O2 Sensor Positive Current Control Circuit/Open
P2241	O2 Sensor Positive Current Control Circuit Low
P2242	O2 Sensor Positive Current Control Circuit High
P2243	O2 Sensor Reference Voltage Circuit/Open
P2244	O2 Sensor Reference Voltage Performance
P2245	O2 Sensor Reference Voltage Circuit Low
P2246	O2 Sensor Reference Voltage Circuit High

P2247	O2 Sensor Reference Voltage Circuit/Open
P2248	O2 Sensor Reference Voltage Performance
P2249	O2 Sensor Reference Voltage Circuit Low
P2250	O2 Sensor Reference Voltage Circuit High
P2251	O2 Sensor Negative Current Control Circuit/Open
P2252	O2 Sensor Negative Current Control Circuit Low
P2253	O2 Sensor Negative Current Control Circuit High
P2254	O2 Sensor Negative Current Control Circuit/Open
P2255	O2 Sensor Negative Current Control Circuit Low
P2256	O2 Sensor Negative Current Control Circuit High
P2257	Secondary Air Injection System Control "A" Circuit Low
P2258	Secondary Air Injection System Control "A" Circuit High
P2259	Secondary Air Injection System Control "B" Circuit Low
P2260	Secondary Air Injection System Control "B" Circuit High
P2261	Turbocharger/Supercharger Bypass Valve - Mechanical
P2262	Turbocharger/Supercharger Boost Pressure not Detected -
P2263	Turbocharger/Supercharger Boost System Performance
P2264	Water in Fuel Sensor Circuit
P2265	Water in Fuel Sensor Circuit Range/Performance
P2266	Water in Fuel Sensor Circuit Low
P2267	Water in Fuel Sensor Circuit High
P2268	Water in Fuel Sensor Circuit Intermittent
P2269	Water in Fuel Condition
P226A	Water in Fuel Lamp Control Circuit
P226B	Turbocharger/Supercharger Boost Pressure Too High - Mechanical
P2270	O2 Sensor Signal Biased/Stuck Lean
P2271	O2 Sensor Signal Biased/Stuck Rich
P2272	O2 Sensor Signal Biased/Stuck Lean
P2273	O2 Sensor Signal Biased/Stuck Rich
P2274	O2 Sensor Signal Biased/Stuck Lean
P2275	O2 Sensor Signal Biased/Stuck Rich
P2276	O2 Sensor Signal Biased/Stuck Lean
P2277	O2 Sensor Signal Biased/Stuck Rich
P2278	O2 Sensor Signals Swapped Bank 1 Sensor 3/Bank 2 Sensor 3
P2279	Intake Air System Leak
P2280	Air Flow Restriction/Air Leak Between Air Filter and MAF
P2281	Air Leak Between MAF and Throttle Body
P2282	Air Leak Between Throttle Body and Intake Valves
P2283	Injector Control Pressure Sensor Circuit
P2284	Injector Control Pressure Sensor Circuit Range/Performance
P2285	Injector Control Pressure Sensor Circuit Low
P2286	Injector Control Pressure Sensor Circuit High
P2287	Injector Control Pressure Sensor Circuit Intermittent
P2288	Injector Control Pressure Too High
P2289	Injector Control Pressure Too High - Engine Off
P228A	Fuel Pressure Regulator 1 - Forced Engine Shutdown
P228B	Fuel Pressure Regulator 2 - Forced Engine Shutdown
P228C	Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too

P228D	Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too
P228E	Fuel Pressure Regulator 1 Exceeded Learning Limits - Too Low
P228F	Fuel Pressure Regulator 1 Exceeded Learning Limits - Too High
P2290	Injector Control Pressure Too Low
P2291	Injector Control Pressure Too Low - Engine Cranking
P2292	Injector Control Pressure Erratic
P2293	Fuel Pressure Regulator 2 Performance
P2294	Fuel Pressure Regulator 2 Control Circuit/Open
P2295	Fuel Pressure Regulator 2 Control Circuit Low
P2296	Fuel Pressure Regulator 2 Control Circuit High
P2297	O2 Sensor Out of Range During Deceleration
P2298	O2 Sensor Out of Range During Deceleration
P2299	Brake Pedal Position/Accelerator Pedal Position Incompatible
P229A	Fuel Pressure Regulator 2 Exceeded Control Limits - Pressure Too
P229B	Fuel Pressure Regulator 2 Exceeded Control Limits - Pressure Too
P229C	Fuel Pressure Regulator 2 Exceeded Learning Limits - Too Low
P229D	Fuel Pressure Regulator 2 Exceeded Learning Limits - Too High
P2400	Evaporative Emission System Leak Detection Pump Control
P2401	Evaporative Emission System Leak Detection Pump Control Circuit
P2402	Evaporative Emission System Leak Detection Pump Control Circuit
P2403	Evaporative Emission System Leak Detection Pump Sense
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit
P2405	Evaporative Emission System Leak Detection Pump Sense Circuit
P2406	Evaporative Emission System Leak Detection Pump Sense Circuit
P2407	Evaporative Emission System Leak Detection Pump Sense Circuit
P2408	Fuel Cap Sensor/Switch Circuit
P2409	Fuel Cap Sensor/Switch Circuit Range/Performance
P240A	Evaporative Emission System Leak Detection Pump Heater Control
P240B	Evaporative Emission System Leak Detection Pump Heater Control
P240C	Evaporative Emission System Leak Detection Pump Heater Control
P2410	Fuel Cap Sensor/Switch Circuit Low
P2411	Fuel Cap Sensor/Switch Circuit High
P2412	Fuel Cap Sensor/Switch Circuit Intermittent/Erratic
P2413	Exhaust Gas Recirculation System Performance
P2414	O2 Sensor Exhaust Sample Error
P2415	O2 Sensor Exhaust Sample Error
P2416	O2 Sensor Signals Swapped Bank 1 Sensor 2/Bank 1 Sensor 3
P2417	O2 Sensor Signals Swapped Bank 2 Sensor 2/Bank 2 Sensor 3
P2418	Evaporative Emission System Switching Valve Control Circuit/Open
P2419	Evaporative Emission System Switching Valve Control Circuit Low
P2420	Evaporative Emission System Switching Valve Control Circuit High
P2421	Evaporative Emission System Vent Valve Stuck Open
P2422	Evaporative Emission System Vent Valve Stuck Closed
P2423	HC Adsorption Catalyst Efficiency Below Threshold
P2424	HC Adsorption Catalyst Efficiency Below Threshold
P2425	Exhaust Gas Recirculation Cooling Valve Control Circuit/Open
P2426	Exhaust Gas Recirculation Cooling Valve Control Circuit Low
P2427	Exhaust Gas Recirculation Cooling Valve Control Circuit High

P2428	Exhaust Gas Temperature Too High
P2429	Exhaust Gas Temperature Too High
P242A	Exhaust Gas Temperature Sensor Circuit
P242B	Exhaust Gas Temperature Sensor Circuit Range/Performance
P242C	Exhaust Gas Temperature Sensor Circuit Low
P242D	Exhaust Gas Temperature Sensor Circuit High
P242E	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic
P242F	Diesel Particulate Filter Restriction - Ash Accumulation
P2430	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2431	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2432	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2433	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2434	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2435	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2436	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2437	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2438	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2439	Secondary Air Injection System Air Flow/Pressure Sensor Circuit
P2440	Secondary Air Injection System Switching Valve Stuck Open
P2441	Secondary Air Injection System Switching Valve Stuck Closed
P2442	Secondary Air Injection System Switching Valve Stuck Open
P2443	Secondary Air Injection System Switching Valve Stuck Closed
P2444	Secondary Air Injection System Pump Stuck On
P2445	Secondary Air Injection System Pump Stuck Off
P2446	Secondary Air Injection System Pump Stuck On
P2447	Secondary Air Injection System Pump Stuck Off
P2448	Secondary Air Injection System High Air Flow
P2449	Secondary Air Injection System High Air Flow
P244A	Diesel Particulate Filter Differential Pressure Too Low
P244B	Diesel Particulate Filter Differential Pressure Too High
P244C	Exhaust Temperature Too Low For Particulate Filter Regeneration
P244D	Exhaust Temperature Too High For Particulate Filter Regeneration
P244E	Exhaust Temperature Too Low For Particulate Filter Regeneration
P244F	Exhaust Temperature Too High For Particulate Filter Regeneration
P2450	Evaporative Emission System Switching Valve Performance/Stuck
P2451	Evaporative Emission System Switching Valve Stuck Closed
P2452	Diesel Particulate Filter Pressure Sensor "A" Circuit
P2453	Diesel Particulate Filter Pressure Sensor "A" Circuit
P2454	Diesel Particulate Filter Pressure Sensor "A" Circuit Low
P2455	Diesel Particulate Filter Pressure Sensor "A" Circuit High
P2456	Diesel Particulate Filter Pressure Sensor "A" Circuit
P2457	Exhaust Gas Recirculation Cooling System Performance
P2458	Diesel Particulate Filter Regeneration Duration
P2459	Diesel Particulate Filter Regeneration Frequency
P245A	Exhaust Gas Recirculation Cooler Bypass Control Circuit/Open
P245B	Exhaust Gas Recirculation Cooler Bypass Control Circuit
P245C	Exhaust Gas Recirculation Cooler Bypass Control Circuit Low
P245D	Exhaust Gas Recirculation Cooler Bypass Control Circuit High

P245E	Diesel Particulate Filter Pressure Sensor "B" Circuit
P245F	Diesel Particulate Filter Pressure Sensor "B" Circuit
P2460	Diesel Particulate Filter Pressure Sensor "B" Circuit Low
P2461	Diesel Particulate Filter Pressure Sensor "B" Circuit High
P2462	Diesel Particulate Filter Pressure Sensor "B" Circuit
P2463	Diesel Particulate Filter Restriction - Soot Accumulation
P2464	Diesel Particulate Filter Differential Pressure Too Low
P2465	Diesel Particulate Filter Differential Pressure Too High
P2466	Exhaust Gas Temperature Sensor Circuit
P2467	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2468	Exhaust Gas Temperature Sensor Circuit Low
P2469	Exhaust Gas Temperature Sensor Circuit High
P246A	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic
P246B	Vehicle Conditions Incorrect for Diesel Particulate Filter
P246C	Diesel Particulate Filter Restriction - Forced Limited Power
P246D	Diesel Particulate Filter Pressure Sensor "A"/"B" Correlation
P246E	Exhaust Gas Temperature Sensor Circuit
P246F	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2470	Exhaust Gas Temperature Sensor Circuit Low
P2471	Exhaust Gas Temperature Sensor Circuit High
P2472	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic
P2473	Exhaust Gas Temperature Sensor Circuit
P2474	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2475	Exhaust Gas Temperature Sensor Circuit Low
P2476	Exhaust Gas Temperature Sensor Circuit High
P2477	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic
P2478	Exhaust Gas Temperature Out of Range
P2479	Exhaust Gas Temperature Out of Range
P247A	Exhaust Gas Temperature Out of Range
P247B	Exhaust Gas Temperature Out of Range
P247C	Exhaust Gas Temperature Out of Range
P247D	Exhaust Gas Temperature Out of Range
P247E	Exhaust Gas Temperature Out of Range
P247F	Exhaust Gas Temperature Out of Range
P2480	Exhaust Gas Temperature Sensor Circuit/Open
P2481	Exhaust Gas Temperature Sensor Circuit Low
P2482	Exhaust Gas Temperature Sensor Circuit High
P2483	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2484	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic
P2485	Exhaust Gas Temperature Sensor Circuit/Open
P2486	Exhaust Gas Temperature Sensor Circuit Low
P2487	Exhaust Gas Temperature Sensor Circuit High
P2488	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2489	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic
P2500	Generator Lamp/L-Terminal Circuit Low
P2501	Generator Lamp/L-Terminal Circuit High
P2502	Charging System Voltage
P2503	Charging System Voltage Low

P2504	Charging System Voltage High
P2505	ECM/PCM Power Input Signal
P2506	ECM/PCM Power Input Signal Range/Performance
P2507	ECM/PCM Power Input Signal Low
P2508	ECM/PCM Power Input Signal High
P2509	ECM/PCM Power Input Signal Intermittent
P250A	Engine Oil Level Sensor Circuit
P250B	Engine Oil Level Sensor Circuit Range/Performance
P250C	Engine Oil Level Sensor Circuit Low
P250D	Engine Oil Level Sensor Circuit High
P250E	Engine Oil Level Sensor Circuit Intermittent/Erratic
P250F	Engine Oil Level Too Low
P2510	ECM/PCM Power Relay Sense Circuit Range/Performance
P2511	ECM/PCM Power Relay Sense Circuit Intermittent
P2512	Event Data Recorder Request Circuit/ Open
P2513	Event Data Recorder Request Circuit Low
P2514	Event Data Recorder Request Circuit High
P2515	A/C Refrigerant Pressure Sensor "B" Circuit
P2516	A/C Refrigerant Pressure Sensor "B" Circuit Range/Performance
P2517	A/C Refrigerant Pressure Sensor "B" Circuit Low
P2518	A/C Refrigerant Pressure Sensor "B" Circuit High
P2519	A/C Request "A" Circuit
P251A	PTO Enable Switch Circuit/Open
P251B	PTO Enable Switch Circuit Low
P251C	PTO Enable Switch Circuit High
P251D	PTO Engine Shutdown Circuit/Open
P251E	PTO Engine Shutdown Circuit Low
P251F	PTO Engine Shutdown Circuit High
P2520	A/C Request "A" Circuit Low
P2521	A/C Request "A" Circuit High
P2522	A/C Request "B" Circuit
P2523	A/C Request "B" Circuit Low
P2524	A/C Request "B" Circuit High
P2525	Vacuum Reservoir Pressure Sensor Circuit
P2526	Vacuum Reservoir Pressure Sensor Circuit Range/Performance
P2527	Vacuum Reservoir Pressure Sensor Circuit Low
P2528	Vacuum Reservoir Pressure Sensor Circuit High
P2529	Vacuum Reservoir Pressure Sensor Circuit Intermittent
P252A	Engine Oil Quality Sensor Circuit
P252B	Engine Oil Quality Sensor Circuit Range/Performance
P252C	Engine Oil Quality Sensor Circuit Low
P252D	Engine Oil Quality Sensor Circuit High
P252E	Engine Oil Quality Circuit Intermittent/Erratic
P252F	Engine Oil Level Too High
P2530	Ignition Switch Run Position Circuit
P2531	Ignition Switch Run Position Circuit Low
P2532	Ignition Switch Run Position Circuit High
P2533	Ignition Switch Run/Start Position Circuit

P2534	Ignition Switch Run/Start Position Circuit Low
P2535	Ignition Switch Run/Start Position Circuit High
P2536	Ignition Switch Accessory Position Circuit
P2537	Ignition Switch Accessory Position Circuit Low
P2538	Ignition Switch Accessory Position Circuit High
P2539	Low Pressure Fuel System Sensor Circuit
P253A	PTO Sense Circuit/Open
P253B	PTO Sense Circuit Range/Performance
P253C	PTO Sense Circuit Low
P253D	PTO Sense Circuit High
P253E	PTO Sense Circuit Intermittent/Erratic
P253F	Engine Oil Deteriorated
P2540	Low Pressure Fuel System Sensor Circuit Range/Performance
P2541	Low Pressure Fuel System Sensor Circuit Low
P2542	Low Pressure Fuel System Sensor Circuit High
P2543	Low Pressure Fuel System Sensor Circuit Intermittent
P2544	Torque Management Request Input Signal "A"
P2545	Torque Management Request Input Signal "A" Range/Performance
P2546	Torque Management Request Input Signal "A" Low
P2547	Torque Management Request Input Signal "A" High
P2548	Torque Management Request Input Signal "B"
P2549	Torque Management Request Input Signal "B" Range/Performance
P254A	PTO Speed Selector Sensor/Switch 1 Circuit/Open
P254B	PTO Speed Selector Sensor/Switch 1 Range/Performance
P254C	PTO Speed Selector Sensor/Switch 1 Circuit Low
P254D	PTO Speed Selector Sensor/Switch 1 Circuit High
P254E	PTO Speed Selector Sensor/Switch 1 Circuit Intermittent/Erratic
P254F	Engine Hood Switch Circuit
P2550	Torque Management Request Input Signal "B" Low
P2551	Torque Management Request Input Signal "B" High
P2552	Throttle/Fuel Inhibit Circuit
P2553	Throttle/Fuel Inhibit Circuit Range/Performance
P2554	Throttle/Fuel Inhibit Circuit Low
P2555	Throttle/Fuel Inhibit Circuit High
P2556	Engine Coolant Level Sensor/Switch Circuit
P2557	Engine Coolant Level Sensor/Switch Circuit Range/Performance
P2558	Engine Coolant Level Sensor/Switch Circuit Low
P2559	Engine Coolant Level Sensor/Switch Circuit High
P255A	PTO Speed Selector Sensor/Switch 2 Circuit/Open
P255B	PTO Speed Selector Sensor/Switch 2 Range/Performance
P255C	PTO Speed Selector Sensor/Switch 2 Circuit Low
P255D	PTO Speed Selector Sensor/Switch 2 Circuit High
P255E	PTO Speed Selector Sensor/Switch 2 Circuit Intermittent/Erratic
P255F	A/C Request "A" Circuit Range/Performance
P2560	Engine Coolant Level Low
P2561	A/C Control Module Requested MIL Illumination
P2562	Turbocharger Boost Control Position Sensor "A" Circuit
P2563	Turbocharger Boost Control Position Sensor "A" Circuit

P2564	Turbocharger Boost Control Position Sensor "A" Circuit Low
P2565	Turbocharger Boost Control Position Sensor "A" Circuit High
P2566	Turbocharger Boost Control Position Sensor "A" Circuit Intermittent
P2567	Direct Ozone Reduction Catalyst Temperature Sensor Circuit
P2568	Direct Ozone Reduction Catalyst Temperature Sensor Circuit
P2569	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Low
P256A	Engine Idle Speed Selector Sensor/Switch Circuit/Open
P256B	Engine Idle Speed Selector Sensor/Switch Range/Performance
P256C	Engine Idle Speed Selector Sensor/Switch Circuit Low
P256D	Engine Idle Speed Selector Sensor/Switch Circuit High
P256E	Engine Idle Speed Selector Sensor/Switch Circuit
P256F	A/C Request "B" Circuit Range/Performance
P2570	Direct Ozone Reduction Catalyst Temperature Sensor Circuit High
P2571	Direct Ozone Reduction Catalyst Temperature Sensor Circuit
P2572	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit
P2573	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit
P2574	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Low
P2575	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit High
P2576	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit
P2577	Direct Ozone Reduction Catalyst Efficiency Below Threshold
P2578	Turbocharger Speed Sensor Circuit
P2579	Turbocharger Speed Sensor Circuit Range/Performance
P257A	Vacuum Reservoir Control Circuit/Open
P257B	Vacuum Reservoir Control Circuit Low
P257C	Vacuum Reservoir Control Circuit High
P257D	Engine Hood Switch Circuit Range/Performance
P257E	Engine Hood Switch Circuit Low
P257F	Engine Hood Switch Circuit High
P2580	Turbocharger Speed Sensor Circuit Low
P2581	Turbocharger Speed Sensor Circuit High
P2582	Turbocharger Speed Sensor Circuit Intermittent
P2583	Cruise Control Front Distance Range Sensor
P2584	Fuel Additive Control Module Requested MIL Illumination
P2585	Fuel Additive Control Module Warning Lamp Request
P2586	Turbocharger Boost Control Position Sensor "B" Circuit
P2587	Turbocharger Boost Control Position Sensor "B" Circuit
P2588	Turbocharger Boost Control Position Sensor "B" Circuit Low
P2589	Turbocharger Boost Control Position Sensor "B" Circuit High
P258A	Vacuum Pump Control Circuit/Open
P258B	Vacuum Pump Control Range/Performance
P258C	Vacuum Pump Control Circuit Low
P258D	Vacuum Pump Control Circuit High
P258E	PTO Enable Switch Performance
P258F	Torque Management Request Output Signal
P2590	Turbocharger Boost Control Position Sensor "B" Circuit
P2591	Cruise Control Front Distance Range Sensor
P2592	Cruise Control Front Distance Range Sensor
P2700	Transmission Friction Element "A" Apply Time Range/Performance

P2701	Transmission Friction Element "B" Apply Time Range/Performance
P2702	Transmission Friction Element "C" Apply Time Range/Performance
P2703	Transmission Friction Element "D" Apply Time Range/Performance
P2704	Transmission Friction Element "E" Apply Time Range/Performance
P2705	Transmission Friction Element "F" Apply Time Range/Performance
P2706	Shift Solenoid "F"
P2707	Shift Solenoid "F" Performance/Stuck Off
P2708	Shift Solenoid "F" Stuck On
P2709	Shift Solenoid "F" Electrical
P2710	Shift Solenoid "F" Intermittent
P2711	Unexpected Mechanical Gear Disengagement
P2712	Hydraulic Power Unit Leakage
P2713	Pressure Control Solenoid "D"
P2714	Pressure Control Solenoid "D" Performance/Stuck Off
P2715	Pressure Control Solenoid "D" Stuck On
P2716	Pressure Control Solenoid "D" Electrical
P2717	Pressure Control Solenoid "D" Intermittent
P2718	Pressure Control Solenoid "D" Control Circuit/Open
P2719	Pressure Control Solenoid "D" Control Circuit Range/Performance
P2720	Pressure Control Solenoid "D" Control Circuit Low
P2721	Pressure Control Solenoid "D" Control Circuit High
P2722	Pressure Control Solenoid "E"
P2723	Pressure Control Solenoid "E" Performance/Stuck Off
P2724	Pressure Control Solenoid "E" Stuck On
P2725	Pressure Control Solenoid "E" Electrical
P2726	Pressure Control Solenoid "E" Intermittent
P2727	Pressure Control Solenoid "E" Control Circuit/Open
P2728	Pressure Control Solenoid "E" Control Circuit Range/Performance
P2729	Pressure Control Solenoid "E" Control Circuit Low
P2730	Pressure Control Solenoid "E" Control Circuit High
P2731	Pressure Control Solenoid "F"
P2732	Pressure Control Solenoid "F" Performance/Stuck Off
P2733	Pressure Control Solenoid "F" Stuck On
P2734	Pressure Control Solenoid "F" Electrical
P2735	Pressure Control Solenoid "F" Intermittent
P2736	Pressure Control Solenoid "F" Control Circuit/Open
P2737	Pressure Control Solenoid "F" Control Circuit Range/Performance
P2738	Pressure Control Solenoid "F" Control Circuit Low
P2739	Pressure Control Solenoid "F" Control Circuit High
P273A	Transmission Friction Element "G" Apply Time Range/Performance
P273B	Transmission Friction Element "H" Apply Time Range/Performance
P2740	Transmission Fluid Temperature Sensor "B" Circuit"
P2741	Transmission Fluid Temperature Sensor "B" Circuit
P2742	Transmission Fluid Temperature Sensor "B" Circuit Low
P2743	Transmission Fluid Temperature Sensor "B" Circuit High
P2744	Transmission Fluid Temperature Sensor "B" Circuit Intermittent
P2745	Intermediate Shaft Speed Sensor "B" Circuit
P2746	Intermediate Shaft Speed Sensor "B" Circuit Range/Performance

P2747	Intermediate Shaft Speed Sensor "B" Circuit no Signal
P2748	Intermediate Shaft Speed Sensor "B" Circuit Intermittent
P2749	Intermediate Shaft Speed Sensor "C" Circuit
P2750	Intermediate Shaft Speed Sensor "C" Circuit Range/Performance
P2751	Intermediate Shaft Speed Sensor "C" Circuit no Signal
P2752	Intermediate Shaft Speed Sensor "C" Circuit Intermittent
P2753	Transmission Fluid Cooler Control Circuit/Open
P2754	Transmission Fluid Cooler Control Circuit Low
P2755	Transmission Fluid Cooler Control Circuit High
P2756	Torque Converter Clutch Pressure Control Solenoid
P2757	Torque Converter Clutch Pressure Control Solenoid Control Circuit
P2758	Torque Converter Clutch Pressure Control Solenoid Control Circuit
P2759	Torque Converter Clutch Pressure Control Solenoid Control Circuit
P2760	Torque Converter Clutch Pressure Control Solenoid Control Circuit
P2761	Torque Converter Clutch Pressure Control Solenoid Control
P2762	Torque Converter Clutch Pressure Control Solenoid Control Circuit
P2763	Torque Converter Clutch Pressure Control Solenoid Control Circuit
P2764	Torque Converter Clutch Pressure Control Solenoid Control Circuit
P2765	Input/Turbine Speed Sensor "B" Circuit
P2766	Input/Turbine Speed Sensor "B" Circuit Range/Performance
P2767	Input/Turbine Speed Sensor "B" Circuit no Signal
P2768	Input/Turbine Speed Sensor "B" Circuit Intermittent
P2769	Torque Converter Clutch Circuit Low
P2770	Torque Converter Clutch Circuit High
P2771	Four Wheel Drive (4WD) Low Switch Circuit
P2772	Four Wheel Drive (4WD) Low Switch Circuit Range/Performance
P2773	Four Wheel Drive (4WD) Low Switch Circuit Low
P2774	Four Wheel Drive (4WD) Low Switch Circuit High
P2775	Upshift Switch Circuit Range/Performance
P2776	Upshift Switch Circuit Low
P2777	Upshift Switch Circuit High
P2778	Upshift Switch Circuit Intermittent/Erratic
P2779	Downshift Switch Circuit Range/Performance
P2780	Downshift Switch Circuit Low
P2781	Downshift Switch Circuit High
P2782	Downshift Switch Circuit Intermittent/Erratic
P2783	Torque Converter Temperature Too High
P2784	Input/Turbine Speed Sensor "A"/"B" Correlation
P2785	Clutch Actuator Temperature Too High
P2786	Gear Shift Actuator Temperature Too High
P2787	Clutch Temperature Too High
P2788	Auto Shift Manual Adaptive Learning at Limit
P2789	Clutch "A" Adaptive Learning at Limit
P278A	Kick Down Switch Circuit
P278B	Kick Down Switch Circuit Range/Performance
P278C	Kick Down Switch Circuit Low
P278D	Kick Down Switch Circuit High
P278E	Kick Down Switch Circuit Intermittent/Erratic

P278F	Clutch "B" Adaptive Learning at Limit
P2790	Gate Select Direction Circuit
P2791	Gate Select Direction Circuit Low
P2792	Gate Select Direction Circuit High
P2793	Gear Shift Direction Circuit
P2794	Gear Shift Direction Circuit Low
P2795	Gear Shift Direction Circuit High
P2796	AUXILIARY Transmission Fluid Pump Control Circuit/Open
P2797	AUXILIARY Transmission Fluid Pump Performance
P2798	AUXILIARY Transmission Fluid Pump Control Circuit Low
P2799	AUXILIARY Transmission Fluid Pump Control Circuit High
P279A	Transfer Case Gear High Incorrect Ratio
P279B	Transfer Case Gear Low Incorrect Ratio
P279C	Transfer Case Gear Neutral Incorrect Ratio
P279D	Four Wheel Drive (4WD) Range Signal Circuit
P279E	Four Wheel Drive (4WD) Range Signal Circuit Range/Performance
P279F	Four Wheel Drive (4WD) Range Signal Circuit Low
P27A0	Four Wheel Drive (4WD) Range Signal Circuit High
P2800	Transmission Range Sensor "B" Circuit (PRNDL Input)
P2801	Transmission Range Sensor "B" Circuit Range/Performance
P2802	Transmission Range Sensor "B" Circuit Low
P2803	Transmission Range Sensor "B" Circuit High
P2804	Transmission Range Sensor "B" Circuit Intermittent
P2805	Transmission Range Sensor "A"/"B" Correlation
P2806	Transmission Range Sensor Alignment
P2807	Pressure Control Solenoid "G"
P2808	Pressure Control Solenoid "G" Performance/Stuck Off
P2809	Pressure Control Solenoid "G" Stuck On
P280A	Transmission Range Sensor "A" Circuit not Learned
P280B	Transmission Range Sensor "B" Circuit not Learned
P2810	Pressure Control Solenoid "G" Electrical
P2811	Pressure Control Solenoid "G" Intermittent
P2812	Pressure Control Solenoid "G" Control Circuit/Open
P2813	Pressure Control Solenoid "G" Control Circuit Range/Performance
P2814	Pressure Control Solenoid "G" Control Circuit Low
P2815	Pressure Control Solenoid "G" Control Circuit High
P2816	Pressure Control Solenoid "H"
P2817	Pressure Control Solenoid "H" Performance/Stuck Off
P2818	Pressure Control Solenoid "H" Stuck On
P2819	Pressure Control Solenoid "H" Electrical
P281A	Pressure Control Solenoid "H" Intermittent
P281B	Pressure Control Solenoid "H" Control Circuit/Open
P281C	Pressure Control Solenoid "H" Control Circuit Range/Performance
P281D	Pressure Control Solenoid "H" Control Circuit Low
P281E	Pressure Control Solenoid "H" Control Circuit High
P281F	Pressure Control Solenoid "J"
P2820	Pressure Control Solenoid "J" Performance/Stuck Off
P2821	Pressure Control Solenoid "J" Stuck On

P2822	Pressure Control Solenoid "J" Electrical
P2823	Pressure Control Solenoid "J" Intermittent
P2824	Pressure Control Solenoid "J" Control Circuit/Open
P2825	Pressure Control Solenoid "J" Control Circuit Range/Performance
P2826	Pressure Control Solenoid "J" Control Circuit Low
P2827	Pressure Control Solenoid "J" Control Circuit High
P2828	Pressure Control Solenoid "K"
P2829	Pressure Control Solenoid "K" Performance/Stuck Off
P282A	Pressure Control Solenoid "K" Stuck On
P282B	Pressure Control Solenoid "K" Electrical
P282C	Pressure Control Solenoid "K" Intermittent
P282D	Pressure Control Solenoid "K" Control Circuit/Open
P282E	Pressure Control Solenoid "K" Control Circuit Range/Performance
P282F	Pressure Control Solenoid "K" Control Circuit Low
P2830	Pressure Control Solenoid "K" Control Circuit High
P2831	Shift Fork "A" Position Circuit
P2832	Shift Fork "A" Position Circuit Range/Performance
P2833	Shift Fork "A" Position Circuit Low
P2834	Shift Fork "A" Position Circuit High
P2835	Shift Fork "A" Position Circuit Intermittent
P2836	Shift Fork "B" Position Circuit
P2837	Shift Fork "B" Position Circuit Range/Performance
P2838	Shift Fork "B" Position Circuit Low
P2839	Shift Fork "B" Position Circuit High
P283A	Shift Fork "B" Position Circuit Intermittent
P283B	Shift Fork "C" Position Circuit
P283C	Shift Fork "C" Position Circuit Range/Performance
P283D	Shift Fork "C" Position Circuit Low
P283E	Shift Fork "C" Position Circuit High
P283F	Shift Fork "C" Position Circuit Intermittent
P2840	Shift Fork "D" Position Circuit
P2841	Shift Fork "D" Position Circuit Range/Performance
P2842	Shift Fork "D" Position Circuit Low
P2843	Shift Fork "D" Position Circuit High
P2844	Shift Fork "D" Position Circuit Intermittent
P2845	Shift Fork "A" Position Sensor Incorrect Neutral Position Indicated
P2846	Shift Fork "B" Position Sensor Incorrect Neutral Position Indicated
P2847	Shift Fork "C" Position Sensor Incorrect Neutral Position Indicated
P2848	Shift Fork "D" Position Sensor Incorrect Neutral Position Indicated
P2849	Shift Fork "A" Stuck
P284A	Shift Fork "B" Stuck
P284B	Shift Fork "C" Stuck
P284C	Shift Fork "D" Stuck
P284D	Shift Fork "A" Unrequested Movement
P284E	Shift Fork "B" Unrequested Movement
P284F	Shift Fork "C" Unrequested Movement
P2850	Shift Fork "D" Unrequested Movement
P2851	Shift Fork Position Sensor "A"/"B" Correlation

P2852	Shift Fork Position Sensor "C"/"D" Correlation
P2853	Clutch "A" Pressure Discharge Performance
P2854	Clutch "B" Pressure Discharge Performance
P2855	Clutch "A" Pressure Charge Performance
P2856	Clutch "B" Pressure Charge Performance
P2857	Clutch "A" Pressure Engagement Performance
P2858	Clutch "B" Pressure Engagement Performance
P2859	Clutch "A" Pressure Disengagement Performance
P285A	Clutch "B" Pressure Disengagement Performance
P2A00	O2 Sensor Circuit Range/Performance
P2A01	O2 Sensor Circuit Range/Performance
P2A02	O2 Sensor Circuit Range/Performance
P2A03	O2 Sensor Circuit Range/Performance
P2A04	O2 Sensor Circuit Range/Performance
P2A05	O2 Sensor Circuit Range/Performance
P2A06	O2 Sensor Negative Voltage
P2A07	O2 Sensor Negative Voltage
P2A08	O2 Sensor Negative Voltage
P2A09	O2 Sensor Negative Voltage
P2A10	O2 Sensor Negative Voltage
P2A11	O2 Sensor Negative Voltage
P2BA7	nox Exceedence - Empty Reagent Tank
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
P2BAD	nox Exceedence - Root Cause Unknown
P2BAE	nox Exceedence - nox control monitoring system
P2BA7	nox Exceedence - Empty Reagent Tank
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
P2BAD	nox Exceedence - Root Cause Unknown
P2BAE	nox Exceedence - nox control monitoring system