

**P wie Powertrain - Codes beziehen sich auf Antriebseinheit (Motor, Getriebe)**

P0001	Fuel Volume Regulator Control Circuit - Open
P0002	Fuel Volume Regulator Control Circuit - Range/Performance
P0003	Fuel Volume Regulator Control Circuit - Low
P0004	Fuel Volume Regulator Control Circuit - High
P0005	Fuel Shutoff Valve A Control Circuit - Open
P0006	Fuel Shutoff Valve A Control Circuit - Low
P0007	Fuel Shutoff Valve A Control Circuit - High
P0008	Engine Position System Performance Bank 1
P0009	Engine Position System Performance Bank 2
P000A	A Camshaft Position Slow Response Bank 1
P000B	B Camshaft Position Slow Response Bank 1
P000C	A Camshaft Position Slow Response Bank 2
P000D	B Camshaft Position Slow Response Bank 2
P0010	A Camshaft Position Actuator Circuit / Open Bank 1
P0011	A Camshaft Position Timing Over-Advanced or System Performance Bank 1
P0012	A Camshaft Position Timing Over-Retarded Bank 1
P0013	B Camshaft Position Actuator Circuit / Open Bank 1
P0014	B Camshaft Position Timing Over-Advanced or System Performance Bank 1
P0015	B Camshaft Position Timing Over-Retarded Bank 1
P0016	Crankshaft Position Camshaft Position Correlation Bank 1 Sensor A
P0017	Crankshaft Position Camshaft Position Correlation Bank 1 Sensor B
P0018	Crankshaft Position Camshaft Position Correlation Bank 2 Sensor A
P0019	Crankshaft Position Camshaft Position Correlation Bank 2 Sensor B
P0020	A Camshaft Position Actuator Circuit / Open Bank 2
P0021	A Camshaft Position Timing Over-Advanced or System Performance Bank 2
P0022	A Camshaft Position Timing Over-Retarded Bank 2
P0023	B Camshaft Position Actuator Circuit / Open Bank 2
P0024	B Camshaft Position Timing Over-Advanced or System Performance Bank 2
P0025	B Camshaft Position Timing Over-Retarded Bank 2
P0026	Intake Valve Control Solenoid Circuit Range/Performance Bank 1
P0027	Exhaust Valve Control Solenoid Circuit Range/Performance Bank 1
P0028	Intake Valve Control Solenoid Circuit Range/Performance Bank 2
P0029	Exhaust Valve Control Solenoid Circuit Range/Performance Bank 2
P0030	HO2S Heater Control Circuit Bank 1 Sensor 1
P0031	HO2S Heater Control Circuit Low Bank 1 Sensor 1
P0032	HO2S Heater Control Circuit High Bank 1 Sensor 1
P0033	Turbocharger/Supercharger Bypass Valve Control Circuit
P0034	Turbocharger/Supercharger Bypass Valve Control Circuit Low

P0035	Turbocharger/Supercharger Bypass Valve Control Circuit High
P0036	HO2S Heater Control Circuit Bank 1 Sensor 2
P0037	HO2S Heater Control Circuit Low Bank 1 Sensor 2
P0038	HO2S Heater Control Circuit High Bank 1 Sensor 2
P0039	Turbocharger/Supercharger Bypass Valve Control Circuit Range/Performance
P0040	O2 Sensor Signals Swapped Bank 1 Sensor 1/Bank 2 Sensor 1
P0041	O2 Sensor Signals Swapped Bank 1 Sensor 2/Bank 2 Sensor 2
P0042	HO2S Heater Control Circuit Bank 1 Sensor 3
P0043	HO2S Heater Control Circuit Low Bank 1 Sensor 3
P0044	HO2S Heater Control Circuit High Bank 1 Sensor 3
P0045	Turbocharger/Supercharger Boost Control Solenoid A Circuit/Open
P0046	Turbocharger/Supercharger Boost Control Solenoid A Circuit
P0047	Turbocharger/Supercharger Boost Control Solenoid A Circuit Low
P0048	Turbocharger/Supercharger Boost Control Solenoid A Circuit High
P0049	Turbocharger/Supercharger Turbine Overspeed
P004A	Turbocharger/Supercharger Boost Control Solenoid B Circuit / Open
P004B	Turbocharger/Supercharger Boost Control Solenoid B Circuit
P004C	Turbocharger/Supercharger Boost Control Solenoid B Circuit Low
P004D	Turbocharger/Supercharger Boost Control Solenoid B Circuit High
P004E	Turbocharger/Supercharger Boost Control Solenoid A Circuit Intermittent/Erratic
P004F	Turbocharger/Supercharger Boost Control Solenoid B Circuit Intermittent/Erratic
P0050	HO2S Heater Control Circuit Bank 2 Sensor 1
P0051	HO2S Heater Control Circuit Low Bank 2 Sensor 1
P0052	HO2S Heater Control Circuit High Bank 2 Sensor 1
P0053	HO2S Heater Resistance Bank 1 Sensor 1
P0054	HO2S Heater Resistance Bank 1 Sensor 2
P0055	HO2S Heater Resistance Bank 1 Sensor 3
P0056	HO2S Heater Control Circuit Bank 2 Sensor 2
P0057	HO2S Heater Control Circuit Low Bank 2 Sensor 2
P0058	HO2S Heater Control Circuit High Bank 2 Sensor 2
P0059	HO2S Heater Resistance Bank 2 Sensor 1
P0060	HO2S Heater Resistance Bank 2 Sensor 2
P0061	HO2S Heater Resistance Bank 2 Sensor 3
P0062	HO2S Heater Control Circuit Bank 2 Sensor 3
P0063	HO2S Heater Control Circuit Low Bank 2 Sensor 3
P0064	HO2S Heater Control Circuit High Bank 2 Sensor 3
P0065	Air Assisted Injector Control Range/Performance

P0066	Air Assisted Injector Control Circuit or Circuit Low
P0067	Air Assisted Injector Control Circuit High
P0068	MAP/MAF Throttle Position Correlation
P0069	Manifold Absolute Pressure Barometric Pressure Correlation
P006A	MAP Mass or Volume Air Flow Correlation
P006B	MAP Exhaust Pressure Correlation
P006C	MAP Turbocharger/Supercharger Inlet Pressure Correlation
P006D	Barometric Pressure Turbocharger/Supercharger Inlet Pressure Correlation
P0070	Ambient Air Temperature Sensor Circuit
P0071	Ambient Air Temperature Sensor Range/Performance
P0072	Ambient Air Temperature Sensor Circuit Low
P0073	Ambient Air Temperature Sensor Circuit High
P0074	Ambient Air Temperature Sensor Circuit Intermittent
P0075	Intake Valve Control Solenoid Circuit Bank 1
P0076	Intake Valve Control Solenoid Circuit Low Bank 1
P0077	Intake Valve Control Solenoid Circuit High Bank 1
P0078	Exhaust Valve Control Solenoid Circuit Bank 1
P0079	Exhaust Valve Control Solenoid Circuit Low Bank 1
P0080	Exhaust Valve Control Solenoid Circuit High Bank 1
P0081	Intake Valve Control Solenoid Circuit Bank 2
P0082	Intake Valve Control Solenoid Circuit Low Bank 2
P0083	Intake Valve Control Solenoid Circuit High Bank 2
P0084	Exhaust Valve Control Solenoid Circuit Bank 2
P0085	Exhaust Valve Control Solenoid Circuit Low Bank 2
P0086	Exhaust Valve Control Solenoid Circuit High Bank 2
P0087	Fuel Rail/System Pressure Too Low
P0088	Fuel Rail/System Pressure Too High
P0089	Fuel Pressure Regulator 1 Performance
P0090	Fuel Pressure Regulator 1 Control Circuit
P0091	Fuel Pressure Regulator 1 Control Circuit Low
P0092	Fuel Pressure Regulator 1 Control Circuit High
P0093	Fuel System Leak Detected Large Leak
P0094	Fuel System Leak Detected Small Leak
P0095	Intake Air Temperature Sensor 2 Circuit
P0096	Intake Air Temperature Sensor 2 Circuit Range/Performance
P0097	Intake Air Temperature Sensor 2 Circuit Low
P0098	Intake Air Temperature Sensor 2 Circuit High
P0099	Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic
P009A	Intake Air Temperature / Ambient Air Temperature Correlation
P0100	Mass or Volume Air Flow A Circuit

P0101	Mass or Volume Air Flow A Circuit Range/Performance
P0102	Mass or Volume Air Flow A Circuit Low
P0103	Mass or Volume Air Flow A Circuit High
P0104	Mass or Volume Air Flow A Circuit Intermittent
P0105	Manifold Absolute Pressure/Barometric Pressure Circuit
P0106	Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High
P0109	Manifold Absolute Pressure/Barometric Pressure Circuit Intermittent
P010A	Mass or Volume Air Flow B Circuit
P010B	Mass or Volume Air Flow B Circuit Range/Performance
P010C	Mass or Volume Air Flow B Circuit Low
P010D	Mass or Volume Air Flow B Circuit High
P010E	Mass or Volume Air Flow B Circuit Intermittent/Erratic
P010F	Mass or Volume Air Flow Sensor A/B Correlation
P0110	Intake Air Temperature Sensor 1 Circuit
P0111	Intake Air Temperature Sensor 1 Circuit Range/Performance
P0112	Intake Air Temperature Sensor 1 Circuit Low
P0113	Intake Air Temperature Sensor 1 Circuit High
P0114	Intake Air Temperature Sensor 1 Circuit Intermittent
P0115	Engine Coolant Temperature Sensor 1 Circuit
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Performance
P0117	Engine Coolant Temperature Sensor 1 Circuit Low
P0118	Engine Coolant Temperature Sensor 1 Circuit High
P0119	Engine Coolant Temperature Sensor 1 Circuit Intermittent
P011A	Engine Coolant Temperature Sensor 1/2 Correlation
P0120	Throttle/Pedal Position Sensor/Switch A Circuit
P0121	Throttle/Pedal Position Sensor/Switch A Circuit Range/Performance
P0122	Throttle/Pedal Position Sensor/Switch A Circuit Low
P0123	Throttle/Pedal Position Sensor/Switch A Circuit High
P0124	Throttle/Pedal Position Sensor/Switch A Circuit Intermittent
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control
P0126	Insufficient Coolant Temperature for Stable Operation
P0127	Intake Air Temperature Too High
P0128	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
P0129	Barometric Pressure Too Low
P012A	Turbocharger/Supercharger Inlet Pressure Sensor Circuit
P012B	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Range/Performance
P012C	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Low

P012D	Turbocharger/Supercharger Inlet Pressure Sensor Circuit High
P012E	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Intermittent/Erratic
P0130	O2 Sensor Circuit Bank 1 Sensor 1
P0131	O2 Sensor Circuit Low Voltage Bank 1 Sensor 1
P0132	O2 Sensor Circuit High Voltage Bank 1 Sensor 1
P0133	O2 Sensor Circuit Slow Response Bank 1 Sensor 1
P0134	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 1
P0135	O2 Sensor Heater Circuit Bank 1 Sensor 1
P0136	O2 Sensor Circuit Bank 1 Sensor 2
P0137	O2 Sensor Circuit Low Voltage Bank 1 Sensor 2
P0138	O2 Sensor Circuit High Voltage Bank 1 Sensor 2
P0139	O2 Sensor Circuit Slow Response Bank 1 Sensor 2
P0140	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 2
P0141	O2 Sensor Heater Circuit Bank 1 Sensor 2
P0142	O2 Sensor Circuit Bank 1 Sensor 3
P0143	O2 Sensor Circuit Low Voltage Bank 1 Sensor 3
P0144	O2 Sensor Circuit High Voltage Bank 1 Sensor 3
P0145	O2 Sensor Circuit Slow Response Bank 1 Sensor 3
P0146	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 3
P0147	O2 Sensor Heater Circuit Bank 1 Sensor 3
P0148	Fuel Delivery Error
P0149	Fuel Timing Error
P0150	O2 Sensor Circuit Bank 2 Sensor 1
P0151	O2 Sensor Circuit Low Voltage Bank 2 Sensor 1
P0152	O2 Sensor Circuit High Voltage Bank 2 Sensor 1
P0153	O2 Sensor Circuit Slow Response Bank 2 Sensor 1
P0154	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 1
P0155	O2 Sensor Heater Circuit Bank 2 Sensor 1
P0156	O2 Sensor Circuit Bank 2 Sensor 2
P0157	O2 Sensor Circuit Low Voltage Bank 2 Sensor 2
P0158	O2 Sensor Circuit High Voltage Bank 2 Sensor 2
P0159	O2 Sensor Circuit Slow Response Bank 2 Sensor 2
P0160	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 2
P0161	O2 Sensor Heater Circuit Bank 2 Sensor 2
P0162	O2 Sensor Circuit Bank 2 Sensor 3
P0163	O2 Sensor Circuit Low Voltage Bank 2 Sensor 3
P0164	O2 Sensor Circuit High Voltage Bank 2 Sensor 3
P0165	O2 Sensor Circuit Slow Response Bank 2 Sensor 3
P0166	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 3
P0167	O2 Sensor Heater Circuit Bank 2 Sensor 3

P0168	Fuel Temperature Too High
P0169	Incorrect Fuel Composition
P0170	Fuel Trim Bank 1
P0171	System Too Lean Bank 1
P0172	System Too Rich Bank 1
P0173	Fuel Trim Bank 2
P0174	System Too Lean Bank 2
P0175	System Too Rich Bank 2
P0176	Fuel Composition Sensor Circuit
P0177	Fuel Composition Sensor Circuit Range/Performance
P0178	Fuel Composition Sensor Circuit Low
P0179	Fuel Composition Sensor Circuit High
P0180	Fuel Temperature Sensor A Circuit
P0181	Fuel Temperature Sensor A Circuit Range/Performance
P0182	Fuel Temperature Sensor A Circuit Low
P0183	Fuel Temperature Sensor A Circuit High
P0184	Fuel Temperature Sensor A Circuit Intermittent
P0185	Fuel Temperature Sensor B Circuit
P0186	Fuel Temperature Sensor B Circuit Range/Performance
P0187	Fuel Temperature Sensor B Circuit Low
P0188	Fuel Temperature Sensor B Circuit High
P0189	Fuel Temperature Sensor B Circuit Intermittent
P018A	Fuel Pressure Sensor B Circuit
P018B	Fuel Pressure Sensor B Circuit Range/Performance
P018C	Fuel Pressure Sensor B Circuit Low
P018D	Fuel Pressure Sensor B Circuit High
P018E	Fuel Pressure Sensor B Circuit Intermittent/Erratic
P0190	Fuel Rail Pressure Sensor A Circuit
P0191	Fuel Rail Pressure Sensor A Circuit Range/Performance
P0192	Fuel Rail Pressure Sensor A Circuit Low
P0193	Fuel Rail Pressure Sensor A Circuit High
P0194	Fuel Rail Pressure Sensor A Circuit Intermittent/Erratic
P0195	Engine Oil Temperature Sensor
P0196	Engine Oil Temperature Sensor Range/Performance
P0197	Engine Oil Temperature Sensor Low
P0198	Engine Oil Temperature Sensor High
P0199	Engine Oil Temperature Sensor Intermittent
P0200	Injector Circuit/Open
P0201	Injector Circuit/Open Cylinder 1
P0202	Injector Circuit/Open Cylinder 2

P0203	Injector Circuit/Open Cylinder 3
P0204	Injector Circuit/Open Cylinder 4
P0205	Injector Circuit/Open Cylinder 5
P0206	Injector Circuit/Open Cylinder 6
P0207	Injector Circuit/Open Cylinder 7
P0208	Injector Circuit/Open Cylinder 8
P0209	Injector Circuit/Open Cylinder 9
P020A	Cylinder 1 Injection Timing
P020B	Cylinder 2 Injection Timing
P020C	Cylinder 3 Injection Timing
P020D	Cylinder 4 Injection Timing
P020E	Cylinder 5 Injection Timing
P020F	Cylinder 6 Injection Timing
P0210	Injector Circuit/Open Cylinder 10
P0211	Injector Circuit/Open Cylinder 11
P0212	Injector Circuit/Open Cylinder 12
P0213	Cold Start Injector 1
P0214	Cold Start Injector 2
P0215	Engine Shutoff Solenoid
P0216	Injector/Injection Timing Control Circuit
P0217	Engine Coolant Over Temperature Condition
P0218	Transmission Fluid Over Temperature Condition
P0219	Engine Overspeed Condition
P021A	Cylinder 7 Injection Timing
P021B	Cylinder 8 Injection Timing
P021C	Cylinder 9 Injection Timing
P021D	Cylinder 10 Injection Timing
P021E	Cylinder 11 Injection Timing
P021F	Cylinder 12 Injection Timing
P0220	Throttle/Pedal Position Sensor/Switch B Circuit
P0221	Throttle/Pedal Position Sensor/Switch B Circuit Range/Performance
P0222	Throttle/Pedal Position Sensor/Switch B Circuit Low
P0223	Throttle/Pedal Position Sensor/Switch B Circuit High
P0224	Throttle/Pedal Position Sensor/Switch B Circuit Intermittent
P0225	Throttle/Pedal Position Sensor/Switch C Circuit
P0226	Throttle/Pedal Position Sensor/Switch C Circuit Range/Performance
P0227	Throttle/Pedal Position Sensor/Switch C Circuit Low
P0228	Throttle/Pedal Position Sensor/Switch C Circuit High
P0229	Throttle/Pedal Position Sensor/Switch C Circuit Intermittent
P022A	Charge Air Cooler Bypass Control A Circuit /Open



P022B	Charge Air Cooler Bypass Control A Circuit Low
P022C	Charge Air Cooler Bypass Control A Circuit High
P022D	Charge Air Cooler Bypass Control B Circuit /Open
P022E	Charge Air Cooler Bypass Control B Circuit Low
P022F	Charge Air Cooler Bypass Control B Circuit High
P0230	Fuel Pump Primary Circuit
P0231	Fuel Pump Secondary Circuit Low
P0232	Fuel Pump Secondary Circuit High
P0233	Fuel Pump Secondary Circuit Intermittent
P0234	Turbocharger/Supercharger Overboost Condition
P0235	Turbocharger/Supercharger Boost Sensor A Circuit
P0236	Turbocharger/Supercharger Boost Sensor A Circuit Range/Performance
P0237	Turbocharger/Supercharger Boost Sensor A Circuit Low
P0238	Turbocharger/Supercharger Boost Sensor A Circuit High
P0239	Turbocharger/Supercharger Boost Sensor B Circuit
P023A	Charge Air Cooler Coolant Pump Control Circuit/Open
P023B	Charge Air Cooler Coolant Pump Control Circuit Low
P023C	Charge Air Cooler Coolant Pump Control Circuit High
P023D	Manifold Absolute Pressure Turbocharger/Supercharger Boost Sensor A Correlation
P023E	Manifold Absolute Pressure Turbocharger/Supercharger Boost Sensor B Correlation
P0240	Turbocharger/Supercharger Boost Sensor B Circuit Range/Performance
P0241	Turbocharger/Supercharger Boost Sensor B Circuit Low
P0242	Turbocharger/Supercharger Boost Sensor B Circuit High
P0243	Turbocharger/Supercharger Wastegate Solenoid A
P0244	Turbocharger/Supercharger Wastegate Solenoid A Range/Performance
P0245	Turbocharger/Supercharger Wastegate Solenoid A Low
P0246	Turbocharger/Supercharger Wastegate Solenoid A High
P0247	Turbocharger/Supercharger Wastegate Solenoid B
P0248	Turbocharger/Supercharger Wastegate Solenoid B Range/Performance
P0249	Turbocharger/Supercharger Wastegate Solenoid B Low
P024A	Charge Air Cooler Bypass Control A Range/Performance
P024B	Charge Air Cooler Bypass Control A Stuck
P024C	Charge Air Cooler Bypass Position Sensor A Circuit
P024D	Charge Air Cooler Bypass Position Sensor A Circuit Range/Performance
P024E	Charge Air Cooler Bypass Position Sensor A Circuit Low
P024F	Charge Air Cooler Bypass Position Sensor A Circuit High
P0250	Turbocharger/Supercharger Wastegate Solenoid B High
P0251	Injection Pump Fuel Metering Control A (Cam/Rotor/Injector)



P0252	Injection Pump Fuel Metering Control A Range/Performance (Cam/Rotor/Injector)
P0253	Injection Pump Fuel Metering Control A Low (Cam/Rotor/Injector)
P0254	Injection Pump Fuel Metering Control A High (Cam/Rotor/Injector)
P0255	Injection Pump Fuel Metering Control A Intermittent (Cam/Rotor/Injector)
P0256	Injection Pump Fuel Metering Control B (Cam/Rotor/Injector)
P0257	Injection Pump Fuel Metering Control B Range/Performance (Cam/Rotor/Injector)
P0258	Injection Pump Fuel Metering Control B Low (Cam/Rotor/Injector)
P0259	Injection Pump Fuel Metering Control B High (Cam/Rotor/Injector)
P025A	Fuel Pump Module Control Circuit/Open
P025B	Fuel Pump Module Control Circuit Range/Performance
P025C	Fuel Pump Module Control Circuit Low
P025D	Fuel Pump Module Control Circuit High
P0260	Injection Pump Fuel Metering Control B Intermittent (Cam/Rotor/Injector)
P0261	Cylinder 1 Injector Circuit Low
P0262	Cylinder 1 Injector Circuit High
P0263	Cylinder 1 Contribution/Balance
P0264	Cylinder 2 Injector Circuit Low
P0265	Cylinder 2 Injector Circuit High
P0266	Cylinder 2 Contribution/Balance
P0267	Cylinder 3 Injector Circuit Low
P0268	Cylinder 3 Injector Circuit High
P0269	Cylinder 3 Contribution/Balance
P0270	Cylinder 4 Injector Circuit Low
P0271	Cylinder 4 Injector Circuit High
P0272	Cylinder 4 Contribution/Balance
P0273	Cylinder 5 Injector Circuit Low
P0274	Cylinder 5 Injector Circuit High
P0275	Cylinder 5 Contribution/Balance
P0276	Cylinder 6 Injector Circuit Low
P0277	Cylinder 6 Injector Circuit High
P0278	Cylinder 6 Contribution/Balance
P0279	Cylinder 7 Injector Circuit Low
P0280	Cylinder 7 Injector Circuit High
P0281	Cylinder 7 Contribution/Balance
P0282	Cylinder 8 Injector Circuit Low
P0283	Cylinder 8 Injector Circuit High
P0284	Cylinder 8 Contribution/Balance
P0285	Cylinder 9 Injector Circuit Low

P0286	Cylinder 9 Injector Circuit High
P0287	Cylinder 9 Contribution/Balance
P0288	Cylinder 10 Injector Circuit Low
P0289	Cylinder 10 Injector Circuit High
P0290	Cylinder 10 Contribution/Balance
P0291	Cylinder 11 Injector Circuit Low
P0292	Cylinder 11 Injector Circuit High
P0293	Cylinder 11 Contribution/Balance
P0294	Cylinder 12 Injector Circuit Low
P0295	Cylinder 12 Injector Circuit High
P0296	Cylinder 12 Contribution/Balance
P0297	Vehicle Overspeed Condition
P0298	Engine Oil Over Temperature
P0299	Turbocharger/Supercharger Underboost
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
P0305	Cylinder 5 Misfire Detected
P0306	Cylinder 6 Misfire Detected
P0307	Cylinder 7 Misfire Detected
P0308	Cylinder 8 Misfire Detected
P0309	Cylinder 9 Misfire Detected
P0310	Cylinder 10 Misfire Detected
P0311	Cylinder 11 Misfire Detected
P0312	Cylinder 12 Misfire Detected
P0313	Misfire Detected With Low Fuel
P0314	Single Cylinder Misfire (Cylinder not Specified)
P0315	Crankshaft Position System Variation Not Learned
P0316	Engine Misfire Detected on Startup (First 1000 Revolutions)
P0317	Rough Road Hardware Not Present
P0318	Rough Road Sensor A Signal Circuit
P0319	Rough Road Sensor B Signal Circuit
P0320	Ignition/Distributor Engine Speed Input Circuit
P0321	Ignition/Distributor Engine Speed Input Circuit Range/Performance
P0322	Ignition/Distributor Engine Speed Input Circuit No Signal
P0323	Ignition/Distributor Engine Speed Input Circuit Intermittent
P0324	Knock Control System Error
P0325	Knock Sensor 1 Circuit Bank 1 or Single Sensor

P0326	Knock Sensor 1 Circuit Range/Performance Bank 1 or Single Sensor
P0327	Knock Sensor 1 Circuit Low Bank 1 or Single Sensor
P0328	Knock Sensor 1 Circuit High Bank 1 or Single Sensor
P0329	Knock Sensor 1 Circuit Intermittent Bank 1 or Single Sensor
P0330	Knock Sensor 2 Circuit Bank 2
P0331	Knock Sensor 2 Circuit Range/Performance Bank 2
P0332	Knock Sensor 2 Circuit Low Bank 2
P0333	Knock Sensor 2 Circuit High Bank 2
P0334	Knock Sensor 2 Circuit Intermittent Bank 2
P0335	Crankshaft Position Sensor A Circuit
P0336	Crankshaft Position Sensor A Circuit Range/Performance
P0337	Crankshaft Position Sensor A Circuit Low
P0338	Crankshaft Position Sensor A Circuit High
P0339	Crankshaft Position Sensor A Circuit Intermittent
P0340	Camshaft Position Sensor A Circuit Bank 1 or Single Sensor
P0341	Camshaft Position Sensor A Circuit Range/Performance Bank 1 or Single Sensor
P0342	Camshaft Position Sensor A Circuit Low Bank 1 or Single Sensor
P0343	Camshaft Position Sensor A Circuit High Bank 1 or Single Sensor
P0344	Camshaft Position Sensor A Circuit Intermittent Bank 1 or Single Sensor
P0345	Camshaft Position Sensor A Circuit Bank 2
P0346	Camshaft Position Sensor A Circuit Range/Performance Bank 2
P0347	Camshaft Position Sensor A Circuit Low Bank 2
P0348	Camshaft Position Sensor A Circuit High Bank 2
P0349	Camshaft Position Sensor A Circuit Intermittent Bank 2
P0350	Ignition Coil Primary/Secondary Circuit
P0351	Ignition Coil A Primary/Secondary Circuit
P0352	Ignition Coil B Primary/Secondary Circuit
P0353	Ignition Coil C Primary/Secondary Circuit
P0354	Ignition Coil D Primary/Secondary Circuit
P0355	Ignition Coil E Primary/Secondary Circuit
P0356	Ignition Coil F Primary/Secondary Circuit
P0357	Ignition Coil G Primary/Secondary Circuit
P0358	Ignition Coil H Primary/Secondary Circuit
P0359	Ignition Coil I Primary/Secondary Circuit
P0360	Ignition Coil J Primary/Secondary Circuit
P0361	Ignition Coil K Primary/Secondary Circuit
P0362	Ignition Coil L Primary/Secondary Circuit
P0363	Misfire Detected Fueling Disabled
P0364	Reservado

P0365	Camshaft Position Sensor B Circuit Bank 1
P0366	Camshaft Position Sensor B Circuit Range/Performance Bank 1
P0367	Camshaft Position Sensor B Circuit Low Bank 1
P0368	Camshaft Position Sensor B Circuit High Bank 1
P0369	Camshaft Position Sensor B Circuit Intermittent Bank 1
P0370	Timing Reference High Resolution Signal A
P0371	Timing Reference High Resolution Signal A Too Many Pulses
P0372	Timing Reference High Resolution Signal A Too Few Pulses
P0373	Timing Reference High Resolution Signal A Intermittent/Erratic Pulses
P0374	Timing Reference High Resolution Signal A No Pulse
P0375	Timing Reference High Resolution Signal B
P0376	Timing Reference High Resolution Signal B Too Many Pulses
P0377	Timing Reference High Resolution Signal B Too Few Pulses
P0378	Timing Reference High Resolution Signal B Intermittent/Erratic Pulses
P0379	Timing Reference High Resolution Signal B No Pulses
P0380	Glow Plug/Heater Circuit A
P0381	Glow Plug/Heater Indicator Circuit
P0382	Glow Plug/Heater Circuit B
P0383	Glow Plug Control Module Control Circuit Low
P0384	Glow Plug Control Module Control Circuit High
P0385	Crankshaft Position Sensor B Circuit
P0386	Crankshaft Position Sensor B Circuit Range/Performance
P0387	Crankshaft Position Sensor B Circuit Low
P0388	Crankshaft Position Sensor B Circuit High
P0389	Crankshaft Position Sensor B Circuit Intermittent
P0390	Camshaft Position Sensor B Circuit Bank 2
P0391	Camshaft Position Sensor B Circuit Range/Performance Bank 2
P0392	Camshaft Position Sensor B Circuit Low Bank 2
P0393	Camshaft Position Sensor B Circuit High Bank 2
P0394	Camshaft Position Sensor B Circuit Intermittent Bank 2
P0400	Exhaust Gas Recirculation Flow
P0401	Exhaust Gas Recirculation Flow Insufficient Detected
P0402	Exhaust Gas Recirculation Flow Excessive Detected
P0403	Exhaust Gas Recirculation Control Circuit
P0404	Exhaust Gas Recirculation Control Circuit Range/Performance
P0405	Exhaust Gas Recirculation Sensor A Circuit Low
P0406	Exhaust Gas Recirculation Sensor A Circuit High
P0407	Exhaust Gas Recirculation Sensor B Circuit Low
P0408	Exhaust Gas Recirculation Sensor B Circuit High
P0409	Exhaust Gas Recirculation Sensor A Circuit

P040A	Exhaust Gas Recirculation Temperature Sensor A Circuit
P040B	Exhaust Gas Recirculation Temperature Sensor A Circuit Range/Performance
P040C	Exhaust Gas Recirculation Temperature Sensor A Circuit Low
P040D	Exhaust Gas Recirculation Temperature Sensor A Circuit High
P040E	Exhaust Gas Recirculation Temperature Sensor A Circuit Intermittent/Erratic
P040F	Exhaust Gas Recirculation Temperature Sensor A/B Correlation
P0410	Secondary Air Injection System
P0411	Secondary Air Injection System Incorrect Flow Detected
P0412	Secondary Air Injection System Switching Valve A Circuit
P0413	Secondary Air Injection System Switching Valve A Circuit Open
P0414	Secondary Air Injection System Switching Valve A Circuit Shorted
P0415	Secondary Air Injection System Switching Valve B Circuit
P0416	Secondary Air Injection System Switching Valve B Circuit Open
P0417	Secondary Air Injection System Switching Valve B Circuit Shorted
P0418	Secondary Air Injection System Control A Circuit
P0419	Secondary Air Injection System Control B Circuit
P041A	Exhaust Gas Recirculation Temperature Sensor B Circuit
P041B	Exhaust Gas Recirculation Temperature Sensor B Circuit Range/Performance
P041C	Exhaust Gas Recirculation Temperature Sensor B Circuit Low
P041D	Exhaust Gas Recirculation Temperature Sensor B Circuit High
P041E	Exhaust Gas Recirculation Temperature Sensor B Circuit Intermittent/Erratic
P0420	Catalyst System Efficiency Below Threshold Bank 1
P0421	Warm Up Catalyst Efficiency Below Threshold Bank 1
P0422	Main Catalyst Efficiency Below Threshold Bank 1
P0423	Heated Catalyst Efficiency Below Threshold Bank 1
P0424	Heated Catalyst Temperature Below Threshold Bank 1
P0425	Catalyst Temperature Sensor Circuit Bank 1 Sensor 1
P0426	Catalyst Temperature Sensor Circuit Range/Performance Bank 1 Sensor 1
P0427	Catalyst Temperature Sensor Circuit Low Bank 1 Sensor 1
P0428	Catalyst Temperature Sensor Circuit High Bank 1 Sensor 1
P0429	Catalyst Heater Control Circuit Bank 1
P042A	Catalyst Temperature Sensor Circuit Bank 1 Sensor 2
P042B	Catalyst Temperature Sensor Circuit Range/Performance Bank 1 Sensor 2
P042C	Catalyst Temperature Sensor Circuit Low Bank 1 Sensor 2
P042D	Catalyst Temperature Sensor Circuit High Bank 1 Sensor 2
P0430	Catalyst System Efficiency Below Threshold Bank 2
P0431	Warm Up Catalyst Efficiency Below Threshold Bank 2
P0432	Main Catalyst Efficiency Below Threshold Bank 2

P0433	Heated Catalyst Efficiency Below Threshold Bank 2
P0434	Heated Catalyst Temperature Below Threshold Bank 2
P0435	Catalyst Temperature Sensor Circuit Bank 2 Sensor 1
P0436	Catalyst Temperature Sensor Circuit Range/Performance Bank 2 Sensor 1
P0437	Catalyst Temperature Sensor Circuit Low Bank 2 Sensor 1
P0438	Catalyst Temperature Sensor Circuit High Bank 2 Sensor 1
P0439	Catalyst Heater Control Circuit Bank 2
P043A	Catalyst Temperature Sensor Circuit Bank 2 Sensor 2
P043B	Catalyst Temperature Sensor Circuit Range/Performance Bank 2 Sensor 2
P043C	Catalyst Temperature Sensor Circuit Low Bank 2 Sensor 2
P043D	Catalyst Temperature Sensor Circuit High Bank 2 Sensor 2
P043E	Evaporative Emission System Leak Detection Reference Orifice Low Flow
P043F	Evaporative Emission System Leak Detection Reference Orifice High Flow
P0440	Evaporative Emission System
P0441	Evaporative Emission System Incorrect Purge Flow
P0442	Evaporative Emission System Leak Detected (small leak)
P0443	Evaporative Emission System Purge Control Valve Circuit
P0444	Evaporative Emission System Purge Control Valve Circuit Open
P0445	Evaporative Emission System Purge Control Valve Circuit Shorted
P0446	Evaporative Emission System Vent Control Circuit
P0447	Evaporative Emission System Vent Control Circuit Open
P0448	Evaporative Emission System Vent Control Circuit Shorted
P0449	Evaporative Emission System Vent Valve/Solenoid Circuit
P0450	Evaporative Emission System Pressure Sensor/Switch
P0451	Evaporative Emission System Pressure Sensor/Switch Range/Performance
P0452	Evaporative Emission System Pressure Sensor/Switch Low
P0453	Evaporative Emission System Pressure Sensor/Switch High
P0454	Evaporative Emission System Pressure Sensor/Switch Intermittent
P0455	Evaporative Emission System Leak Detected (large leak)
P0456	Evaporative Emission System Leak Detected (very small leak)
P0457	Evaporative Emission System Leak Detected (fuel cap loose/off)
P0458	Evaporative Emission System Purge Control Valve Circuit Low
P0459	Evaporative Emission System Purge Control Valve Circuit High
P0460	Fuel Level Sensor A Circuit
P0461	Fuel Level Sensor A Circuit Range/Performance
P0462	Fuel Level Sensor A Circuit Low
P0463	Fuel Level Sensor A Circuit High
P0464	Fuel Level Sensor A Circuit Intermittent
P0465	EVAP Purge Flow Sensor Circuit
P0466	EVAP Purge Flow Sensor Circuit Range/Performance

P0467	EVAP Purge Flow Sensor Circuit Low
P0468	EVAP Purge Flow Sensor Circuit High
P0469	EVAP Purge Flow Sensor Circuit Intermittent
P0470	Exhaust Pressure Sensor A Circuit
P0471	Exhaust Pressure Sensor A Circuit Range/Performance
P0472	Exhaust Pressure Sensor A Circuit Low
P0473	Exhaust Pressure Sensor A Circuit High
P0474	Exhaust Pressure Sensor A Circuit Intermittent/Erratic
P0475	Exhaust Pressure Control Valve
P0476	Exhaust Pressure Control Valve Range/Performance
P0477	Exhaust Pressure Control Valve Low
P0478	Exhaust Pressure Control Valve High
P0479	Exhaust Pressure Control Valve Intermittent
P047A	Exhaust Pressure Sensor B Circuit
P047B	Exhaust Pressure Sensor B Circuit Range/Performance
P047C	Exhaust Pressure Sensor B Circuit Low
P047D	Exhaust Pressure Sensor B Circuit High
P047E	Exhaust Pressure Sensor B Circuit Intermittent/Erratic
P0480	Fan 1 Control Circuit
P0481	Fan 2 Control Circuit
P0482	Fan 3 Control Circuit
P0483	Fan Rationality Check
P0484	Fan Circuit Over Current
P0485	Fan Power/Ground Circuit
P0486	Exhaust Gas Recirculation Sensor B Circuit
P0487	Exhaust Gas Recirculation Throttle Control Circuit A /Open
P0488	Exhaust Gas Recirculation Throttle Control Circuit A Range/Performance
P0489	Exhaust Gas Recirculation Control Circuit A Low
P0490	Exhaust Gas Recirculation Control Circuit A High
P0491	Secondary Air Injection System Insufficient Flow Bank 1
P0492	Secondary Air Injection System Insufficient Flow Bank 2
P0493	Fan Overspeed
P0494	Fan Speed Low
P0495	Fan Speed High
P0496	Evaporative Emission System High Purge Flow
P0497	Evaporative Emission System Low Purge Flow
P0498	Evaporative Emission System Vent Valve Control Circuit Low
P0499	Evaporative Emission System Vent Valve Control Circuit High
P0500	Vehicle Speed Sensor A
P0501	Vehicle Speed Sensor A Range/Performance



P0502	Vehicle Speed Sensor A Circuit Low
P0503	Vehicle Speed Sensor A Intermittent/Erratic/High
P0504	Brake Switch A/B Correlation
P0505	Idle Air Control System
P0506	Idle Air Control System RPM Lower Than Expected
P0507	Idle Air Control System RPM Higher Than Expected
P0508	Idle Air Control System Circuit Low
P0509	Idle Air Control System Circuit High
P050A	Cold Start Idle Air Control System Performance
P050B	Cold Start Ignition Timing Performance
P050C	Cold Start Engine Coolant Temperature Performance
P050D	Cold Start Rough Idle
P0510	Closed Throttle Position Switch
P0511	Idle Air Control Circuit
P0512	Starter Request Circuit
P0513	Incorrect Immobilizer Key
P0514	Battery Temperature Sensor Circuit Range/Performance
P0515	Battery Temperature Sensor Circuit
P0516	Battery Temperature Sensor Circuit Low
P0517	Battery Temperature Sensor Circuit High
P0518	Idle Air Control Circuit Intermittent
P0519	Idle Air Control System Performance
P0520	Engine Oil Pressure Sensor/Switch Circuit
P0521	Engine Oil Pressure Sensor/Switch Range/Performance
P0522	Engine Oil Pressure Sensor/Switch Low
P0523	Engine Oil Pressure Sensor/Switch High
P0524	Engine Oil Pressure Too Low
P0525	Cruise Control Servo Control Circuit Range/Performance
P0526	Fan Speed Sensor Circuit
P0527	Fan Speed Sensor Circuit Range/Performance
P0528	Fan Speed Sensor Circuit No Signal
P0529	Fan Speed Sensor Circuit Intermittent
P0530	A/C Refrigerant Pressure Sensor A Circuit
P0531	A/C Refrigerant Pressure Sensor A Circuit Range/Performance
P0532	A/C Refrigerant Pressure Sensor A Circuit Low
P0533	A/C Refrigerant Pressure Sensor A Circuit High
P0534	A/C Refrigerant Charge Loss
P0535	A/C Evaporator Temperature Sensor Circuit
P0536	A/C Evaporator Temperature Sensor Circuit Range/Performance
P0537	A/C Evaporator Temperature Sensor Circuit Low

P0538	A/C Evaporator Temperature Sensor Circuit High
P0539	A/C Evaporator Temperature Sensor Circuit Intermittent
P053A	Positive Crankcase Ventilation Heater Control Circuit /Open
P053B	Positive Crankcase Ventilation Heater Control Circuit Low
P053C	Positive Crankcase Ventilation Heater Control Circuit High
P0540	Intake Air Heater A Circuit
P0541	Intake Air Heater A Circuit Low
P0542	Intake Air Heater A Circuit High
P0543	Intake Air Heater A Circuit Open
P0544	Exhaust Gas Temperature Sensor Circuit Bank 1 Sensor 1
P0545	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 1
P0546	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 1
P0547	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 1
P0548	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 1
P0549	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 1
P0550	Power Steering Pressure Sensor/Switch Circuit
P0551	Power Steering Pressure Sensor/Switch Circuit Range/Performance
P0552	Power Steering Pressure Sensor/Switch Circuit Low
P0553	Power Steering Pressure Sensor/Switch Circuit High
P0554	Power Steering Pressure Sensor/Switch Circuit Intermittent
P0555	Brake Booster Pressure Sensor Circuit
P0556	Brake Booster Pressure Sensor Circuit Range/Performance
P0557	Brake Booster Pressure Sensor Circuit Low
P0558	Brake Booster Pressure Sensor Circuit High
P0559	Brake Booster Pressure Sensor Circuit Intermittent
P0560	System Voltage
P0561	System Voltage Unstable
P0562	System Voltage Low
P0563	System Voltage High
P0564	Cruise Control Multi-Function Input A Circuit
P0565	Cruise Control On Signal
P0566	Cruise Control Off Signal
P0567	Cruise Control Resume Signal
P0568	Cruise Control Set Signal
P0569	Cruise Control Coast Signal
P056A	Cruise Control Increase Distance Signal
P056B	Cruise Control Decrease Distance Signal
P0570	Cruise Control Accelerate Signal
P0571	Brake Switch A Circuit
P0572	Brake Switch A Circuit Low

P0573	Brake Switch A Circuit High
P0574	Cruise Control System Vehicle Speed Too High
P0575	Cruise Control Input Circuit
P0576	Cruise Control Input Circuit Low
P0577	Cruise Control Input Circuit High
P0578	Cruise Control Multi-Function Input A Circuit Stuck
P0579	Cruise Control Multi-Function Input A Circuit Range/Performance
P0580	Cruise Control Multi-Function Input A Circuit Low
P0581	Cruise Control Multi-Function Input A Circuit High
P0582	Cruise Control Vacuum Control Circuit/Open
P0583	Cruise Control Vacuum Control Circuit Low
P0584	Cruise Control Vacuum Control Circuit High
P0585	Cruise Control Multi-Function Input A/B Correlation
P0586	Cruise Control Vent Control Circuit/Open
P0587	Cruise Control Vent Control Circuit Low
P0588	Cruise Control Vent Control Circuit High
P0589	Cruise Control Multi-Function Input B Circuit
P0590	Cruise Control Multi-Function Input B Circuit Stuck
P0591	Cruise Control Multi-Function Input B Circuit Range/Performance
P0592	Cruise Control Multi-Function Input B Circuit Low
P0593	Cruise Control Multi-Function Input B Circuit High
P0594	Cruise Control Servo Control Circuit/Open
P0595	Cruise Control Servo Control Circuit Low
P0596	Cruise Control Servo Control Circuit High
P0597	Thermostat Heater Control Circuit/Open
P0598	Thermostat Heater Control Circuit Low
P0599	Thermostat Heater Control Circuit High
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
P0604	Internal Control Module Random Access Memory (RAM) Error
P0605	Internal Control Module Read Only Memory (ROM) Error
P0606	ECM/PCM Processor
P0607	Control Module Performance
P0608	Control Module VSS Output A
P0609	Control Module VSS Output B
P060A	Internal Control Module Monitoring Processor Performance
P060B	Internal Control Module A/D Processing Performance
P060C	Internal Control Module Main Processor Performance

P060D	Internal Control Module Accelerator Pedal Position Performance
P060E	Internal Control Module Throttle Position Performance
P060F	Internal Control Module Coolant Temperature Performance
P0610	Control Module Vehicle Options Error
P0611	Fuel Injector Control Module Performance
P0612	Fuel Injector Control Module Relay Control
P0613	TCM Processor
P0614	ECM / TCM Incompatible
P0615	Starter Relay Circuit
P0616	Starter Relay Circuit Low
P0617	Starter Relay Circuit High
P0618	Alternative Fuel Control Module KAM Error
P0619	Alternative Fuel Control Module RAM/ROM Error
P061A	Internal Control Module Torque Performance
P061B	Internal Control Module Torque Calculation Performance
P061C	Internal Control Module Engine RPM Performance
P061D	Internal Control Module Engine Air Mass Performance
P061E	Internal Control Module Brake Signal Performance
P061F	Internal Control Module Throttle Actuator Controller Performance
P0620	Generator Control Circuit
P0621	Generator Lamp/L Terminal Circuit
P0622	Generator Field/F Terminal Circuit
P0623	Generator Lamp Control Circuit
P0624	Fuel Cap Lamp Control Circuit
P0625	Generator Field/F Terminal Circuit Low
P0626	Generator Field/F Terminal Circuit High
P0627	Fuel Pump A Control Circuit/Open
P0628	Fuel Pump A Control Circuit Low
P0629	Fuel Pump A Control Circuit High
P062A	Fuel Pump A Control Circuit Range/Performance
P062B	Internal Control Module Fuel Injector Control Performance
P062C	Internal Control Module Vehicle Speed Performance
P062D	Fuel Injector Driver Circuit Performance Bank 1
P062E	Fuel Injector Driver Circuit Performance Bank 2
P062F	Internal Control Module EEPROM Error
P0630	VIN Not Programmed or Incompatible ECM/PCM
P0631	VIN Not Programmed or Incompatible TCM
P0632	Odometer Not Programmed ECM/PCM
P0633	Immobilizer Key Not Programmed ECM/PCM
P0634	PCM/ECM/TCM Internal Temperature Too High

P0635	Power Steering Control Circuit
P0636	Power Steering Control Circuit Low
P0637	Power Steering Control Circuit High
P0638	Throttle Actuator Control Range/Performance Bank 1
P0639	Throttle Actuator Control Range/Performance Bank 2
P063A	Generator Voltage Sense Circuit
P063B	Generator Voltage Sense Circuit Range/Performance
P063C	Generator Voltage Sense Circuit Low
P063D	Generator Voltage Sense Circuit High
P063E	Auto Configuration Throttle Input Not Present
P063F	Auto Configuration Engine Coolant Temperature Input Not Present
P0640	Intake Air Heater Control Circuit
P0641	Sensor Reference Voltage A Circuit/Open
P0642	Sensor Reference Voltage A Circuit Low
P0643	Sensor Reference Voltage A Circuit High
P0644	Driver Display Serial Communication Circuit
P0645	A/C Clutch Relay Control Circuit
P0646	A/C Clutch Relay Control Circuit Low
P0647	A/C Clutch Relay Control Circuit High
P0648	Immobilizer Lamp Control Circuit
P0649	Speed Control Lamp Control Circuit
P0650	Malfunction Indicator Lamp (MIL) Control Circuit
P0651	Sensor Reference Voltage B Circuit/Open
P0652	Sensor Reference Voltage B Circuit Low
P0653	Sensor Reference Voltage B Circuit High
P0654	Engine RPM Output Circuit
P0655	Engine Hot Lamp Output Control Circuit
P0656	Fuel Level Output Circuit
P0657	Actuator Supply Voltage A Circuit/Open
P0658	Actuator Supply Voltage A Circuit Low
P0659	Actuator Supply Voltage A Circuit High
P065A	Generator System Performance
P065B	Generator Control Circuit Range/Performance
P0660	Intake Manifold Tuning Valve Control Circuit/Open Bank 1a
P0661	Intake Manifold Tuning Valve Control Circuit Low Bank 1a
P0662	Intake Manifold Tuning Valve Control Circuit High Bank 1a
P0663	Intake Manifold Tuning Valve Control Circuit/Open Bank 2a
P0664	Intake Manifold Tuning Valve Control Circuit Low Bank 2a
P0665	Intake Manifold Tuning Valve Control Circuit High Bank 2a
P0666	PCM/ECM/TCM Internal Temperature Sensor Circuit

P0667	PCM/ECM/TCM Internal Temperature Sensor Range/Performance
P0668	PCM/ECM/TCM Internal Temperature Sensor Circuit Low
P0669	PCM/ECM/TCM Internal Temperature Sensor Circuit High
P066A	Glow Plug 1 Control Circuit Low
P066B	Glow Plug 1 Control Circuit High
P066C	Glow Plug 2 Control Circuit Low
P066D	Glow Plug 2 Control Circuit High
P066E	Glow Plug 3 Control Circuit Low
P066F	Glow Plug 3 Control Circuit High
P0670	Glow Plug Control Module Control Circuit/Open
P0671	Cylinder 1 Glow Plug Circuit/Open
P0672	Cylinder 2 Glow Plug Circuit/Open
P0673	Cylinder 3 Glow Plug Circuit/Open
P0674	Cylinder 4 Glow Plug Circuit/Open
P0675	Cylinder 5 Glow Plug Circuit/Open
P0676	Cylinder 6 Glow Plug Circuit/Open
P0677	Cylinder 7 Glow Plug Circuit/Open
P0678	Cylinder 8 Glow Plug Circuit/Open
P0679	Cylinder 9 Glow Plug Circuit/Open
P067A	Glow Plug 4 Control Circuit Low
P067B	Glow Plug 4 Control Circuit High
P067C	Glow Plug 5 Control Circuit Low
P067D	Glow Plug 5 Control Circuit High
P067E	Glow Plug 6 Control Circuit Low
P067F	Glow Plug 6 Control Circuit High
P0680	Cylinder 10 Glow Plug Circuit/Open
P0681	Cylinder 11 Glow Plug Circuit/Open
P0682	Cylinder 12 Glow Plug Circuit/Open
P0683	Glow Plug Control Module to PCM Communication Circuit
P0684	Glow Plug Control Module to PCM Communication Circuit Range/Performance
P0685	ECM/PCM Power Relay Control Circuit/Open
P0686	ECM/PCM Power Relay Control Circuit Low
P0687	ECM/PCM Power Relay Control Circuit High
P0688	ECM/PCM Power Relay Sense Circuit/Open
P0689	ECM/PCM Power Relay Sense Circuit Low
P068A	ECM/PCM Power Relay De-Energized Performance Too Early
P068B	ECM/PCM Power Relay De-Energized Performance Too Late
P068C	Glow Plug 7 Control Circuit Low
P068D	Glow Plug 7 Control Circuit High

P068E	Glow Plug 8 Control Circuit Low
P068F	Glow Plug 8 Control Circuit High
P0690	ECM/PCM Power Relay Sense Circuit High
P0691	Fan 1 Control Circuit Low
P0692	Fan 1 Control Circuit High
P0693	Fan 2 Control Circuit Low
P0694	Fan 2 Control Circuit High
P0695	Fan 3 Control Circuit Low
P0696	Fan 3 Control Circuit High
P0697	Sensor Reference Voltage C Circuit/Open
P0698	Sensor Reference Voltage C Circuit Low
P0699	Sensor Reference Voltage C Circuit High
P069A	Glow Plug 9 Control Circuit Low
P069B	Glow Plug 9 Control Circuit High
P069C	Glow Plug 10 Control Circuit Low
P069D	Glow Plug 10 Control Circuit High
P0700	Transmission Control System (MIL Request)
P0701	Transmission Control System Range/Performance
P0702	Transmission Control System Electrical
P0703	Brake Switch B Circuit
P0704	Clutch Switch Input Circuit
P0705	Transmission Range Sensor A Circuit (PRNDL Input)
P0706	Transmission Range Sensor A Circuit Range/Performance
P0707	Transmission Range Sensor A Circuit Low
P0708	Transmission Range Sensor A Circuit High
P0709	Transmission Range Sensor A Circuit Intermittent
P070A	Transmission Fluid Level Sensor Circuit
P070B	Transmission Fluid Level Sensor Circuit Range/Performance
P070C	Transmission Fluid Level Sensor Circuit Low
P070D	Transmission Fluid Level Sensor Circuit High
P070E	Transmission Fluid Level Sensor Circuit intermittent/Erratic
P070F	Transmission Fluid Level Too Low
P0710	Transmission Fluid Temperature Sensor A Circuit
P0711	Transmission Fluid Temperature Sensor A Circuit Range/Performance
P0712	Transmission Fluid Temperature Sensor A Circuit Low
P0713	Transmission Fluid Temperature Sensor A Circuit High
P0714	Transmission Fluid Temperature Sensor A Circuit Intermittent
P0715	Input/Turbine Speed Sensor A Circuit
P0716	Input/Turbine Speed Sensor A Circuit Range/Performance
P0717	Input/Turbine Speed Sensor A Circuit No Signal



P0718	Input/Turbine Speed Sensor A Circuit Intermittent
P0719	Brake Switch B Circuit Low
P071A	Transmission Mode Switch A Circuit
P071B	Transmission Mode Switch A Circuit Low
P071C	Transmission Mode Switch A Circuit High
P071D	Transmission Mode Switch B Circuit
P071E	Transmission Mode Switch B Circuit Low
P071F	Transmission Mode Switch B Circuit High
P0720	Output Speed Sensor Circuit
P0721	Output Speed Sensor Circuit Range/Performance
P0722	Output Speed Sensor Circuit No Signal
P0723	Output Speed Sensor Circuit Intermittent
P0724	Brake Switch B Circuit High
P0725	Engine Speed Input Circuit
P0726	Engine Speed Input Circuit Range/Performance
P0727	Engine Speed Input Circuit No Signal
P0728	Engine Speed Input Circuit Intermittent
P0729	Gear 6 Incorrect Ratio
P0730	Incorrect Gear Ratio
P0731	Gear 1 Incorrect Ratio
P0732	Gear 2 Incorrect Ratio
P0733	Gear 3 Incorrect Ratio
P0734	Gear 4 Incorrect Ratio
P0735	Gear 5 Incorrect Ratio
P0736	Reverse Incorrect Ratio
P0737	TCM Engine Speed Output Circuit
P0738	TCM Engine Speed Output Circuit Low
P0739	TCM Engine Speed Output Circuit High
P0740	Torque Converter Clutch Circuit/Open
P0741	Torque Converter Clutch Circuit Performance/Stuck Off
P0742	Torque Converter Clutch Circuit Stuck On
P0743	Torque Converter Clutch Circuit Electrical
P0744	Torque Converter Clutch Circuit Intermittent
P0745	Pressure Control Solenoid A
P0746	Pressure Control Solenoid A Performance/Stuck Off
P0747	Pressure Control Solenoid A Stuck On
P0748	Pressure Control Solenoid A Electrical
P0749	Pressure Control Solenoid A Intermittent
P0750	Shift Solenoid A
P0751	Shift Solenoid A Performance/Stuck Off

P0752	Shift Solenoid A Stuck On
P0753	Shift Solenoid A Electrical
P0754	Shift Solenoid A Intermittent
P0755	Shift Solenoid B
P0756	Shift Solenoid B Performance/Stuck Off
P0757	Shift Solenoid B Stuck On
P0758	Shift Solenoid B Electrical
P0759	Shift Solenoid B Intermittent
P075A	Shift Solenoid G
P075B	Shift Solenoid G Performance/Stuck Off
P075C	Shift Solenoid G Stuck On
P075D	Shift Solenoid G Electrical
P075E	Shift Solenoid G Intermittent
P0760	Shift Solenoid C
P0761	Shift Solenoid C Performance/Stuck Off
P0762	Shift Solenoid C Stuck On
P0763	Shift Solenoid C Electrical
P0764	Shift Solenoid C Intermittent
P0765	Shift Solenoid D
P0766	Shift Solenoid D Performance/Stuck Off
P0767	Shift Solenoid D Stuck On
P0768	Shift Solenoid D Electrical
P0769	Shift Solenoid D Intermittent
P076A	Shift Solenoid H
P076B	Shift Solenoid H Performance/Stuck Off
P076C	Shift Solenoid H Stuck On
P076D	Shift Solenoid H Electrical
P076E	Shift Solenoid H Intermittent
P076F	Gear 7 Incorrect Ratio
P0770	Shift Solenoid E
P0771	Shift Solenoid E Performance/Stuck Off
P0772	Shift Solenoid E Stuck On
P0773	Shift Solenoid E Electrical
P0774	Shift Solenoid E Intermittent
P0775	Pressure Control Solenoid B
P0776	Pressure Control Solenoid B Performance/Stuck Off
P0777	Pressure Control Solenoid B Stuck On
P0778	Pressure Control Solenoid B Electrical
P0779	Pressure Control Solenoid B Intermittent
P0780	Shift Error

P0781	1-2 Shift
P0782	2-3 Shift
P0783	3-4 Shift
P0784	4-5 Shift
P0785	Shift/Timing Solenoid
P0786	Shift/Timing Solenoid Range/Performance
P0787	Shift/Timing Solenoid Low
P0788	Shift/Timing Solenoid High
P0789	Shift/Timing Solenoid Intermittent
P0790	Normal/Performance Switch Circuit
P0791	Intermediate Shaft Speed Sensor A Circuit
P0792	Intermediate Shaft Speed Sensor A Circuit Range/Performance
P0793	Intermediate Shaft Speed Sensor A Circuit No Signal
P0794	Intermediate Shaft Speed Sensor A Circuit Intermittent
P0795	Pressure Control Solenoid C
P0796	Pressure Control Solenoid C Performance/Stuck Off
P0797	Pressure Control Solenoid C Stuck On
P0798	Pressure Control Solenoid C Electrical
P0799	Pressure Control Solenoid C Intermittent
P0800	Transfer Case Control System (MIL Request)
P0801	Reverse Inhibit Control Circuit
P0802	Transmission Control System MIL Request Circuit/Open
P0803	Upshift/Skip Shift Solenoid Control Circuit
P0804	Upshift/Skip Shift Lamp Control Circuit
P0805	Clutch Position Sensor Circuit
P0806	Clutch Position Sensor Circuit Range/Performance
P0807	Clutch Position Sensor Circuit Low
P0808	Clutch Position Sensor Circuit High
P0809	Clutch Position Sensor Circuit Intermittent
P080A	Clutch Position Not Learned
P080B	Upshift/Skip Shift Solenoid Control Circuit Range/Performance
P080C	Upshift/Skip Shift Solenoid Control Circuit Low
P080D	Upshift/Skip Shift Solenoid Control Circuit High
P0810	Clutch Position Control Error
P0811	Excessive Clutch A Slippage
P0812	Reverse Input Circuit
P0813	Reverse Output Circuit
P0814	Transmission Range Display Circuit
P0815	Upshift Switch Circuit
P0816	Downshift Switch Circuit

P0817	Starter Disable Circuit/Open
P0818	Driveline Disconnect Switch Input Circuit
P0819	Up and Down Shift Switch to Transmission Range Correlation
P081A	Starter Disable Circuit Low
P081B	Starter Disable Circuit High
P081C	Park Input Circuit
P081D	Neutral Input Circuit
P081E	Excessive Clutch B Slippage
P0820	Gear Lever X-Y Position Sensor Circuit
P0821	Gear Lever X Position Circuit
P0822	Gear Lever Y Position Circuit
P0823	Gear Lever X Position Circuit Intermittent
P0824	Gear Lever Y Position Circuit Intermittent
P0825	Gear Lever Push-Pull Switch (Shift Anticipate)
P0826	Up and Down Shift Switch Circuit
P0827	Up and Down Shift Switch Circuit Low
P0828	Up and Down Shift Switch Circuit High
P0829	5-6 Shift
P0830	Clutch Pedal Switch A Circuit
P0831	Clutch Pedal Switch A Circuit Low
P0832	Clutch Pedal Switch A Circuit High
P0833	Clutch Pedal Switch B Circuit
P0834	Clutch Pedal Switch B Circuit Low
P0835	Clutch Pedal Switch B Circuit High
P0836	Four Wheel Drive (4WD) Switch Circuit
P0837	Four Wheel Drive (4WD) Switch Circuit Range/Performance
P0838	Four Wheel Drive (4WD) Switch Circuit Low
P0839	Four Wheel Drive (4WD) Switch Circuit High
P083A	Transmission Fluid Pressure Sensor/Switch G Circuit
P083B	Transmission Fluid Pressure Sensor/Switch G Circuit Range/Performance
P083C	Transmission Fluid Pressure Sensor/Switch G Circuit Low
P083D	Transmission Fluid Pressure Sensor/Switch G Circuit High
P083E	Transmission Fluid Pressure Sensor/Switch G Circuit Intermittent
P083F	Clutch Pedal Switch A/B Correlation
P0840	Transmission Fluid Pressure Sensor/Switch A Circuit
P0841	Transmission Fluid Pressure Sensor/Switch A Circuit Range/Performance
P0842	Transmission Fluid Pressure Sensor/Switch A Circuit Low
P0843	Transmission Fluid Pressure Sensor/Switch A Circuit High
P0844	Transmission Fluid Pressure Sensor/Switch A Circuit Intermittent
P0845	Transmission Fluid Pressure Sensor/Switch B Circuit

P0846	Transmission Fluid Pressure Sensor/Switch B Circuit Range/Performance
P0847	Transmission Fluid Pressure Sensor/Switch B Circuit Low
P0848	Transmission Fluid Pressure Sensor/Switch B Circuit High
P0849	Transmission Fluid Pressure Sensor/Switch B Circuit Intermittent
P084A	Transmission Fluid Pressure Sensor/Switch H Circuit
P084B	Transmission Fluid Pressure Sensor/Switch H Circuit Range/Performance
P084C	Transmission Fluid Pressure Sensor/Switch H Circuit Low
P084D	Transmission Fluid Pressure Sensor/Switch H Circuit High
P084E	Transmission Fluid Pressure Sensor/Switch H Circuit Intermittent
P0850	Park/Neutral Switch Input Circuit
P0851	Park/Neutral Switch Input Circuit Low
P0852	Park/Neutral Switch Input Circuit High
P0853	Drive Switch Input Circuit
P0854	Drive Switch Input Circuit Low
P0855	Drive Switch Input Circuit High
P0856	Traction Control Input Signal
P0857	Traction Control Input Signal Range/Performance
P0858	Traction Control Input Signal Low
P0859	Traction Control Input Signal High
P085A	Gear Shift Module B Communication Circuit
P085B	Gear Shift Module B Communication Circuit Low
P085C	Gear Shift Module B Communication Circuit High
P0860	Gear Shift Module A Communication Circuit
P0861	Gear Shift Module A Communication Circuit Low
P0862	Gear Shift Module A Communication Circuit High
P0863	TCM Communication Circuit
P0864	TCM Communication Circuit Range/Performance
P0865	TCM Communication Circuit Low
P0866	TCM Communication Circuit High
P0867	Transmission Fluid Pressure
P0868	Transmission Fluid Pressure Low
P0869	Transmission Fluid Pressure High
P0870	Transmission Fluid Pressure Sensor/Switch C Circuit
P0871	Transmission Fluid Pressure Sensor/Switch C Circuit Range/Performance
P0872	Transmission Fluid Pressure Sensor/Switch C Circuit Low
P0873	Transmission Fluid Pressure Sensor/Switch C Circuit High
P0874	Transmission Fluid Pressure Sensor/Switch C Circuit Intermittent
P0875	Transmission Fluid Pressure Sensor/Switch D Circuit
P0876	Transmission Fluid Pressure Sensor/Switch D Circuit Range/Performance
P0877	Transmission Fluid Pressure Sensor/Switch D Circuit Low

P0878	Transmission Fluid Pressure Sensor/Switch D Circuit High
P0879	Transmission Fluid Pressure Sensor/Switch D Circuit Intermittent
P0880	TCM Power Input Signal
P0881	TCM Power Input Signal Range/Performance
P0882	TCM Power Input Signal Low
P0883	TCM Power Input Signal High
P0884	TCM Power Input Signal Intermittent
P0885	TCM Power Relay Control Circuit/Open
P0886	TCM Power Relay Control Circuit Low
P0887	TCM Power Relay Control Circuit High
P0888	TCM Power Relay Sense Circuit
P0889	TCM Power Relay Sense Circuit Range/Performance
P0890	TCM Power Relay Sense Circuit Low
P0891	TCM Power Relay Sense Circuit High
P0892	TCM Power Relay Sense Circuit Intermittent
P0893	Multiple Gears Engaged
P0894	Transmission Component Slipping
P0895	Shift Time Too Short
P0896	Shift Time Too Long
P0897	Transmission Fluid Deteriorated
P0898	Transmission Control System MIL Request Circuit Low
P0899	Transmission Control System MIL Request Circuit High
P0900	Clutch Actuator Circuit/Open
P0901	Clutch Actuator Circuit Range/Performance
P0902	Clutch Actuator Circuit Low
P0903	Clutch Actuator Circuit High
P0904	Gate Select Position Circuit
P0905	Gate Select Position Circuit Range/Performance
P0906	Gate Select Position Circuit Low
P0907	Gate Select Position Circuit High
P0908	Gate Select Position Circuit Intermittent
P0909	Gate Select Control Error
P0910	Gate Select Actuator Circuit/Open
P0911	Gate Select Actuator Circuit Range/Performance
P0912	Gate Select Actuator Circuit Low
P0913	Gate Select Actuator Circuit High
P0914	Gear Shift Position Circuit
P0915	Gear Shift Position Circuit Range/Performance
P0916	Gear Shift Position Circuit Low
P0917	Gear Shift Position Circuit High

P0918	Gear Shift Position Circuit Intermittent
P0919	Gear Shift Position Control Error
P0920	Gear Shift Forward Actuator Circuit/Open
P0921	Gear Shift Forward Actuator Circuit Range/Performance
P0922	Gear Shift Forward Actuator Circuit Low
P0923	Gear Shift Forward Actuator Circuit High
P0924	Gear Shift Reverse Actuator Circuit/Open
P0925	Gear Shift Reverse Actuator Circuit Range/Performance
P0926	Gear Shift Reverse Actuator Circuit Low
P0927	Gear Shift Reverse Actuator Circuit High
P0928	Gear Shift Lock Solenoid Control Circuit/Open
P0929	Gear Shift Lock Solenoid Control Circuit Range/Performance
P0930	Gear Shift Lock Solenoid Control Circuit Low
P0931	Gear Shift Lock Solenoid Control Circuit High
P0932	Hydraulic Pressure Sensor Circuit
P0933	Hydraulic Pressure Sensor Range/Performance
P0934	Hydraulic Pressure Sensor Circuit Low
P0935	Hydraulic Pressure Sensor Circuit High
P0936	Hydraulic Pressure Sensor Circuit Intermittent
P0937	Hydraulic Oil Temperature Sensor Circuit
P0938	Hydraulic Oil Temperature Sensor Range/Performance
P0939	Hydraulic Oil Temperature Sensor Circuit Low
P0940	Hydraulic Oil Temperature Sensor Circuit High
P0941	Hydraulic Oil Temperature Sensor Circuit Intermittent
P0942	Hydraulic Pressure Unit
P0943	Hydraulic Pressure Unit Cycling Period Too Short
P0944	Hydraulic Pressure Unit Loss of Pressure
P0945	Hydraulic Pump Relay Circuit/Open
P0946	Hydraulic Pump Relay Circuit Range/Performance
P0947	Hydraulic Pump Relay Circuit Low
P0948	Hydraulic Pump Relay Circuit High
P0949	Auto Shift Manual Adaptive Learning Not Complete
P0950	Auto Shift Manual Control Circuit
P0951	Auto Shift Manual Control Circuit Range/Performance
P0952	Auto Shift Manual Control Circuit Low
P0953	Auto Shift Manual Control Circuit High
P0954	Auto Shift Manual Control Circuit Intermittent
P0955	Auto Shift Manual Mode Circuit
P0956	Auto Shift Manual Mode Circuit Range/Performance
P0957	Auto Shift Manual Mode Circuit Low



P0958	Auto Shift Manual Mode Circuit High
P0959	Auto Shift Manual Mode Circuit Intermittent
P0960	Pressure Control Solenoid A Control Circuit/Open
P0961	Pressure Control Solenoid A Control Circuit Range/Performance
P0962	Pressure Control Solenoid A Control Circuit Low
P0963	Pressure Control Solenoid A Control Circuit High
P0964	Pressure Control Solenoid B Control Circuit/Open
P0965	Pressure Control Solenoid B Control Circuit Range/Performance
P0966	Pressure Control Solenoid B Control Circuit Low
P0967	Pressure Control Solenoid B Control Circuit High
P0968	Pressure Control Solenoid C Control Circuit/Open
P0969	Pressure Control Solenoid C Control Circuit Range/Performance
P0970	Pressure Control Solenoid C Control Circuit Low
P0971	Pressure Control Solenoid C Control Circuit High
P0972	Shift Solenoid A Control Circuit Range/Performance
P0973	Shift Solenoid A Control Circuit Low
P0974	Shift Solenoid A Control Circuit High
P0975	Shift Solenoid B Control Circuit Range/Performance
P0976	Shift Solenoid B Control Circuit Low
P0977	Shift Solenoid B Control Circuit High
P0978	Shift Solenoid C Control Circuit Range/Performance
P0979	Shift Solenoid C Control Circuit Low
P0980	Shift Solenoid C Control Circuit High
P0981	Shift Solenoid D Control Circuit Range/Performance
P0982	Shift Solenoid D Control Circuit Low
P0983	Shift Solenoid D Control Circuit High
P0984	Shift Solenoid E Control Circuit Range/Performance
P0985	Shift Solenoid E Control Circuit Low
P0986	Shift Solenoid E Control Circuit High
P0987	Transmission Fluid Pressure Sensor/Switch E Circuit
P0988	Transmission Fluid Pressure Sensor/Switch E Circuit Range/Performance
P0989	Transmission Fluid Pressure Sensor/Switch E Circuit Low
P0990	Transmission Fluid Pressure Sensor/Switch E Circuit High
P0991	Transmission Fluid Pressure Sensor/Switch E Circuit Intermittent
P0992	Transmission Fluid Pressure Sensor/Switch F Circuit
P0993	Transmission Fluid Pressure Sensor/Switch F Circuit Range/Performance
P0994	Transmission Fluid Pressure Sensor/Switch F Circuit Low
P0995	Transmission Fluid Pressure Sensor/Switch F Circuit High
P0996	Transmission Fluid Pressure Sensor/Switch F Circuit Intermittent
P0997	Shift Solenoid F Control Circuit Range/Performance

P0998	Shift Solenoid F Control Circuit Low
P0999	Shift Solenoid F Control Circuit High
P099A	Shift Solenoid G Control Circuit Range/Performance
P099B	Shift Solenoid G Control Circuit Low
P099C	Shift Solenoid G Control Circuit High
P099D	Shift Solenoid H Control Circuit Range/Performance
P099E	Shift Solenoid H Control Circuit Low
P099F	Shift Solenoid H Control Circuit High
P0A00	Motor Electronics Coolant Temperature Sensor Circuit
P0A01	Motor Electronics Coolant Temperature Sensor Circuit Range/Performance
P0A02	Motor Electronics Coolant Temperature Sensor Circuit Low
P0A03	Motor Electronics Coolant Temperature Sensor Circuit High
P0A04	Motor Electronics Coolant Temperature Sensor Circuit Intermittent
P0A05	Motor Electronics Coolant Pump Control Circuit/Open
P0A06	Motor Electronics Coolant Pump Control Circuit Low
P0A07	Motor Electronics Coolant Pump Control Circuit High
P0A08	DC/DC Converter Status Circuit
P0A09	DC/DC Converter Status Circuit Low
P0A0A	High Voltage System Inter-Lock Circuit
P0A0B	High Voltage System Inter-Lock Circuit Performance
P0A0C	High Voltage System Inter-Lock Circuit Low
P0A0D	High Voltage System Inter-Lock Circuit High
P0A0E	High Voltage System Inter-Lock Circuit Intermittent
P0A0F	Engine Failed to Start
P0A10	DC/DC Converter Status Circuit High
P0A11	DC/DC Converter Enable Circuit/Open
P0A12	DC/DC Converter Enable Circuit Low
P0A13	DC/DC Converter Enable Circuit High
P0A14	Engine Mount A Control Circuit/Open
P0A15	Engine Mount A Control Circuit Low
P0A16	Engine Mount A Control Circuit High
P0A17	Motor Torque Sensor Circuit
P0A18	Motor Torque Sensor Circuit Range/Performance
P0A19	Motor Torque Sensor Circuit Low
P0A1A	Generator Control Module
P0A1B	Drive Motor A Control Module
P0A1C	Drive Motor B Control Module
P0A1D	Hybrid Powertrain Control Module
P0A1E	Starter/Generator Control Module
P0A1F	Battery Energy Control Module

P0A20	Motor Torque Sensor Circuit High
P0A21	Motor Torque Sensor Circuit Intermittent
P0A22	Generator Torque Sensor Circuit
P0A23	Generator Torque Sensor Circuit Range/Performance
P0A24	Generator Torque Sensor Circuit Low
P0A25	Generator Torque Sensor Circuit High
P0A26	Generator Torque Sensor Circuit Intermittent
P0A27	Hybrid Battery Power Off Circuit
P0A28	Hybrid Battery Power Off Circuit Low
P0A29	Hybrid Battery Power Off Circuit High
P0A2A	Drive Motor A Temperature Sensor Circuit
P0A2B	Drive Motor A Temperature Sensor Circuit Range/Performance
P0A2C	Drive Motor A Temperature Sensor Circuit Low
P0A2D	Drive Motor A Temperature Sensor Circuit High
P0A2E	Drive Motor A Temperature Sensor Circuit Intermittent
P0A2F	Drive Motor A Over Temperature
P0A30	Drive Motor B Temperature Sensor Circuit
P0A31	Drive Motor B Temperature Sensor Circuit Range/Performance
P0A32	Drive Motor B Temperature Sensor Circuit Low
P0A33	Drive Motor B Temperature Sensor Circuit High
P0A34	Drive Motor B Temperature Sensor Circuit Intermittent
P0A35	Drive Motor B Over Temperature
P0A36	Generator Temperature Sensor Circuit
P0A37	Generator Temperature Sensor Circuit Range/Performance
P0A38	Generator Temperature Sensor Circuit Low
P0A39	Generator Temperature Sensor Circuit High
P0A3A	Generator Temperature Sensor Circuit Intermittent
P0A3B	Generator Over Temperature
P0A3C	Drive Motor A Inverter Over Temperature
P0A3D	Drive Motor B Inverter Over Temperature
P0A3E	Generator Inverter Over Temperature
P0A3F	Drive Motor A Position Sensor Circuit
P0A40	Drive Motor A Position Sensor Circuit Range/Performance
P0A41	Drive Motor A Position Sensor Circuit Low
P0A42	Drive Motor A Position Sensor Circuit High
P0A43	Drive Motor A Position Sensor Circuit Intermittent
P0A44	Drive Motor A Position Sensor Circuit Overspeed
P0A45	Drive Motor B Position Sensor Circuit
P0A46	Drive Motor B Position Sensor Circuit Range/Performance
P0A47	Drive Motor B Position Sensor Circuit Low

P0A48	Drive Motor B Position Sensor Circuit High
P0A49	Drive Motor B Position Sensor Circuit Intermittent
P0A4A	Drive Motor B Position Sensor Circuit Overspeed
P0A4B	Generator Position Sensor Circuit
P0A4C	Generator Position Sensor Circuit Range/Performance
P0A4D	Generator Position Sensor Circuit Low
P0A4E	Generator Position Sensor Circuit High
P0A4F	Generator Position Sensor Circuit Intermittent
P0A50	Generator Position Sensor Circuit Overspeed
P0A51	Drive Motor A Current Sensor Circuit
P0A52	Drive Motor A Current Sensor Circuit Range/Performance
P0A53	Drive Motor A Current Sensor Circuit Low
P0A54	Drive Motor A Current Sensor Circuit High
P0A55	Drive Motor B Current Sensor Circuit
P0A56	Drive Motor B Current Sensor Circuit Range/Performance
P0A57	Drive Motor B Current Sensor Circuit Low
P0A58	Drive Motor B Current Sensor Circuit High
P0A59	Generator Current Sensor Circuit
P0A5A	Generator Current Sensor Circuit Range/Performance
P0A5B	Generator Current Sensor Circuit Low
P0A5C	Generator Current Sensor Circuit High
P0A5D	Drive Motor A Phase U Current
P0A5E	Drive Motor A Phase U Current Low
P0A5F	Drive Motor A Phase U Current High
P0A60	Drive Motor A Phase V Current
P0A61	Drive Motor A Phase V Current Low
P0A62	Drive Motor A Phase V Current High
P0A63	Drive Motor A Phase W Current
P0A64	Drive Motor A Phase W Current Low
P0A65	Drive Motor A Phase W Current High
P0A66	Drive Motor B Phase U Current
P0A67	Drive Motor B Phase U Current Low
P0A68	Drive Motor B Phase U Current High
P0A69	Drive Motor B Phase V Current
P0A6A	Drive Motor B Phase V Current Low
P0A6B	Drive Motor B Phase V Current High
P0A6C	Drive Motor B Phase W Current
P0A6D	Drive Motor B Phase W Current Low
P0A6E	Drive Motor B Phase W Current High
P0A6F	Generator Phase U Current

P0A70	Generator Phase U Current Low
P0A71	Generator Phase U Current High
P0A72	Generator Phase V Current
P0A73	Generator Phase V Current Low
P0A74	Generator Phase V Current High
P0A75	Generator Phase W Current
P0A76	Generator Phase W Current Low
P0A77	Generator Phase W Current High
P0A78	Drive Motor A Inverter Performance
P0A79	Drive Motor B Inverter Performance
P0A7A	Generator Inverter Performance
P0A7B	Battery Energy Control Module Requested MIL Illumination
P0A7C	Motor Electronics Over Temperature
P0A7D	Hybrid Battery Pack State of Charge Low
P0A7E	Hybrid Battery Pack Over Temperature
P0A7F	Hybrid Battery Pack Deterioration
P0A80	Replace Hybrid Battery Pack
P0A81	Hybrid Battery Pack Cooling Fan 1 Control Circuit/Open
P0A82	Hybrid Battery Pack Cooling Fan 1 Performance/Stuck Off
P0A83	Hybrid Battery Pack Cooling Fan 1 Stuck On
P0A84	Hybrid Battery Pack Cooling Fan 1 Control Circuit Low
P0A85	Hybrid Battery Pack Cooling Fan 1 Control Circuit High
P0A86	14 Volt Power Module Current Sensor Circuit
P0A87	14 Volt Power Module Current Sensor Circuit Range/Performance
P0A88	14 Volt Power Module Current Sensor Circuit Low
P0A89	14 Volt Power Module Current Sensor Circuit High
P0A8A	14 Volt Power Module Current Sensor Circuit Intermittent
P0A8B	14 Volt Power Module System Voltage
P0A8C	14 Volt Power Module System Voltage Unstable
P0A8D	14 Volt Power Module System Voltage Low
P0A8E	14 Volt Power Module System Voltage High
P0A8F	14 Volt Power Module System Performance
P0A90	Drive Motor A Performance
P0A91	Drive Motor B Performance
P0A92	Hybrid Generator Performance
P0A93	Inverter Cooling System Performance
P0A94	DC/DC Converter Performance
P0A95	High Voltage Fuse
P0A96	Hybrid Battery Pack Cooling Fan 2 Control Circuit
P0A97	Hybrid Battery Pack Cooling Fan 2 Performance/Stuck Off

P0A98	Hybrid Battery Pack Cooling Fan 2 Stuck On
P0A99	Hybrid Battery Pack Cooling Fan 2 Control Circuit Low
P0A9A	Hybrid Battery Pack Cooling Fan 2 Control Circuit High
P0A9B	Hybrid Battery Temperature Sensor A Circuit
P0A9C	Hybrid Battery Temperature Sensor A Range/Performance
P0A9D	Hybrid Battery Temperature Sensor A Circuit Low
P0A9E	Hybrid Battery Temperature Sensor A Circuit High
P0A9F	Hybrid Battery Temperature Sensor A Circuit Intermittent/Erratic
P0AA0	Hybrid Battery Positive Contactor Circuit
P0AA1	Hybrid Battery Positive Contactor Circuit Stuck Closed
P0AA2	Hybrid Battery Positive Contactor Circuit Stuck Open
P0AA3	Hybrid Battery Negative Contactor Circuit
P0AA4	Hybrid Battery Negative Contactor Circuit Stuck Closed
P0AA5	Hybrid Battery Negative Contactor Circuit Stuck Open
P0AA6	Hybrid Battery Voltage System Isolation Fault
P0AA7	Hybrid Battery Voltage Isolation Sensor Circuit
P0AA8	Hybrid Battery Voltage Isolation Sensor Circuit Range/Performance
P0AA9	Hybrid Battery Voltage Isolation Sensor Circuit Low
P0AAA	Hybrid Battery Voltage Isolation Sensor Circuit High
P0AAB	Hybrid Battery Voltage Isolation Sensor Circuit Intermittent/Erratic
P0AAC	Hybrid Battery Pack Air Temperature Sensor A Circuit
P0AAD	Hybrid Battery Pack Air Temperature Sensor A Circuit Range/Performance
P0AAE	Hybrid Battery Pack Air Temperature Sensor A Circuit Low
P0AAF	Hybrid Battery Pack Air Temperature Sensor A Circuit High
P0AB0	Hybrid Battery Pack Air Temperature Sensor A Circuit Intermittent/Erratic
P0AB1	Hybrid Battery Pack Air Temperature Sensor B Circuit
P0AB2	Hybrid Battery Pack Air Temperature Sensor B Circuit Range/Performance
P0AB3	Hybrid Battery Pack Air Temperature Sensor B Circuit Low
P0AB4	Hybrid Battery Pack Air Temperature Sensor B Circuit High
P0AB5	Hybrid Battery Pack Air Temperature Sensor B Circuit Intermittent/Erratic
P0AB6	Engine Mount B Control Circuit/Open
P0AB7	Engine Mount B Control Circuit Low
P0AB8	Engine Mount B Control Circuit High
P0AB9	Hybrid System Performance
P0ABA	Hybrid Battery Pack Voltage Sense Circuit
P0ABB	Hybrid Battery Pack Voltage Sense Circuit Range/Performance
P0ABC	Hybrid Battery Pack Voltage Sense Circuit Low
P0ABD	Hybrid Battery Pack Voltage Sense Circuit High
P0ABE	Hybrid Battery Pack Voltage Sense Circuit Intermittent/Erratic
P0ABF	Hybrid Battery Pack Current Sensor Circuit

P0AC0	Hybrid Battery Pack Current Sensor Circuit Range/Performance
P0AC1	Hybrid Battery Pack Current Sensor Circuit Low
P0AC2	Hybrid Battery Pack Current Sensor Circuit High
P0AC3	Hybrid Battery Pack Current Sensor Circuit Intermittent/Erratic
P0AC4	Hybrid Powertrain Control Module Requested MIL Illumination
P0AC5	Hybrid Battery Temperature Sensor B Circuit
P0AC6	Hybrid Battery Temperature Sensor B Range/Performance
P0AC7	Hybrid Battery Temperature Sensor B Circuit Low
P0AC8	Hybrid Battery Temperature Sensor B Circuit High
P0AC9	Hybrid Battery Temperature Sensor B Circuit Intermittent/Erratic
P0ACA	Hybrid Battery Temperature Sensor C Circuit
P0ACB	Hybrid Battery Temperature Sensor C Range/Performance
P0ACC	Hybrid Battery Temperature Sensor C Circuit Low
P0ACD	Hybrid Battery Temperature Sensor C Circuit High
P0ACE	Hybrid Battery Temperature Sensor C Circuit Intermittent/Erratic
P0ACF	Hybrid Battery Pack Cooling Fan 3 Control Circuit
P0AD0	Hybrid Battery Pack Cooling Fan 3 Performance/Stuck Off
P0AD1	Hybrid Battery Pack Cooling Fan 3 Stuck On
P0AD2	Hybrid Battery Pack Cooling Fan 3 Control Circuit Low
P0AD3	Hybrid Battery Pack Cooling Fan 3 Control Circuit High
P0AD4	Hybrid Battery Pack Air Flow System Insufficient Air Flow
P0AD5	Hybrid Battery Pack Air Flow Valve A Control Circuit/Open
P0AD6	Hybrid Battery Pack Air Flow Valve A Control Circuit Range/Performance
P0AD7	Hybrid Battery Pack Air Flow Valve A Control Circuit Low
P0AD8	Hybrid Battery Pack Air Flow Valve A Control Circuit High
P0AD9	Hybrid Battery Positive Contactor Control Circuit/Open
P0ADA	Hybrid Battery Positive Contactor Control Circuit Range/Performance
P0ADB	Hybrid Battery Positive Contactor Control Circuit Low
P0ADC	Hybrid Battery Positive Contactor Control Circuit High
P0ADD	Hybrid Battery Negative Contactor Control Circuit/Open
P0ADE	Hybrid Battery Negative Contactor Control Circuit Range/Performance
P0ADF	Hybrid Battery Negative Contactor Control Circuit Low
P0AE0	Hybrid Battery Negative Contactor Control Circuit High
P0AE1	Hybrid Battery Precharge Contactor Circuit
P0AE2	Hybrid Battery Precharge Contactor Circuit Stuck Closed
P0AE3	Hybrid Battery Precharge Contactor Circuit Stuck Open
P0AE4	Hybrid Battery Precharge Contactor Control Circuit
P0AE5	Hybrid Battery Precharge Contactor Control Circuit Range/Performance
P0AE6	Hybrid Battery Precharge Contactor Control Circuit Low
P0AE7	Hybrid Battery Precharge Contactor Control Circuit High



P0AE8	Hybrid Battery Temperature Sensor D Circuit
P0AE9	Hybrid Battery Temperature Sensor D Range/Performance
P0AEA	Hybrid Battery Temperature Sensor D Circuit Low
P0AEB	Hybrid Battery Temperature Sensor D Circuit High
P0AEC	Hybrid Battery Temperature Sensor D Circuit Intermittent/Erratic
P0AED	Drive Motor Inverter Temperature Sensor A Circuit
P0AEE	Drive Motor Inverter Temperature Sensor A Circuit Range/Performance
P0AEF	Drive Motor Inverter Temperature Sensor A Circuit Low
P0AF0	Drive Motor Inverter Temperature Sensor A Circuit High
P0AF1	Drive Motor Inverter Temperature Sensor A Circuit Intermittent/Erratic
P0AF2	Drive Motor Inverter Temperature Sensor B Circuit
P0AF3	Drive Motor Inverter Temperature Sensor B Circuit Range/Performance
P0AF4	Drive Motor Inverter Temperature Sensor B Circuit Low
P0AF5	Drive Motor Inverter Temperature Sensor B Circuit High
P0AF6	Drive Motor Inverter Temperature Sensor B Circuit Intermittent/Erratic
P0AF7	14 Volt Power Module Internal Temperature Too High
P0AF8	Hybrid Battery System Voltage
P0AF9	Hybrid Battery System Voltage Unstable
P0AFA	Hybrid Battery System Voltage Low
P0AFB	Hybrid Battery System Voltage High
P0B00	Auxiliary Transmission Fluid Pump Motor Phase U Current
P0B01	Auxiliary Transmission Fluid Pump Motor Phase U Current Low
P0B02	Auxiliary Transmission Fluid Pump Motor Phase U Current High
P0B03	Auxiliary Transmission Fluid Pump Motor Phase V Current
P0B04	Auxiliary Transmission Fluid Pump Motor Phase V Current Low
P0B05	Auxiliary Transmission Fluid Pump Motor Phase V Current High
P0B06	Auxiliary Transmission Fluid Pump Motor Phase W Current
P0B07	Auxiliary Transmission Fluid Pump Motor Phase W Current Low
P0B08	Auxiliary Transmission Fluid Pump Motor Phase W Current High
P0B09	Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit/Open
P0B0A	Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit Low
P0B0B	Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit High
P0B0C	Auxiliary Transmission Fluid Pump Hydraulic Leakage
P0B0D	Auxiliary Transmission Fluid Pump Motor Control Module
P0B12	Ignition Coil A Primarg Control Circuit High
P0B56	Camshaft Position A Actuator Bank 1 Circuit Low
P0B89	Invalid Data Rcvd From Ctrl Module Instrument Cluster
P0D11	EVAP Emission Purge Flow Sensor CKT Intermittent
P0FFF	Time Reference High Res Signal A Erratic Pulses
P1000	Prueba preparacion sistema no completada

P1001	Diagnosis del sistema incompleta
P1100	Sensor flujo masa aire – interrupcion intermitente
P1101	Sensor flujo masa aire – fuera limites
P1102	Sensor MAF menor que previsto
P1103	Sensor MAF mayor que previsto
P1104	Sensor MAF – circuito defectuoso
P1105	Sensor presion barometrica – circuito defectuoso
P1106	Alternador/Sensor MAP señal tension baja
P1107	Alternador/Sensor MAP señal tension baja
P1108	Testigo Bateria, alternador – circuito defectuoso
P1109	Temperatura aire admision – averia intermitente
P1110	Temperatura aire admision – circuito abierto
P1111	Temperatura aire admision – interrupcion intermitente/alta
P1112	Temperatura aire admision – interrupcion intermitente/baja
P1113	Temperatura aire admision – circuito abierto
P1114	Temperatura motor intermitente/Aire admision señal entrada baja
P1115	Temperatura motor intermitente/Aire admision señal entrada alta
P1116	Temperatura motor fuera de rango
P1117	Sensor temperatura refrigerante motor – interrupcion intermitente
P1118	Sensor Temperatura absoluta escape – señal entrada baja
P1119	Sensor Temperatura absoluta escape – señal entrada alta
P1120	Sensor posicion mariposa – fuera de rango
P1121	Sensor posicion mariposa – intermitente,señal alta
P1122	Sensor posicion mariposa – intermitente,señal baja
P1123	Sensor posicion mariposa – valor elevado
P1124	Sensor posicion mariposa – fuera limites
P1125	Sensor posicion mariposa – interrupcion intermitente
P1126	Sensor posicion mariposa – circuito defectuoso
P1127	Temperatura escape – fuera de rango
P1128	Sondas lambda 1 – transpuestos
P1129	Sondas lambda 2 – transpuestos
P1130	Sonda lambda – regulacion inyeccion limite
P1131	Sonda lambda – mezcla pobre
P1132	Sonda lambda – mezcla rica
P1133	Sonda lambda 1 – Insuficiente
P1134	Sonda lambda 1 – tiempo reaccion
P1135	Sensor posicion pedal A – circuito defectuoso
P1136	Ventilador motor – circuito defectuoso
P1137	Sonda lambda 1 bloque 2 – mezcla pobre
P1138	Sonda lambda 1 bloque 2 – mezcla rica

P1139	Indicador agua en combustible – circuito defectuoso
P1140	Agua en el combustible
P1141	Indicador restriccion combustible – circuito defectuoso
P1142	Restriccion combustible
P1143	Valvula control aire asistido – rango,funcionamiento
P1144	Valvula control aire asistido – circuito defectuoso
P1145	Error de par calculado
P1150	Sonda lambda – regulacion inyeccion al limite
P1151	Sonda lambda – mezcla pobre
P1152	Sonda lambda – mezcla rica
P1153	Control combustible (Bloque 2) – mezcla pobre
P1154	Control combustible (bloque 2) – mezcla rica
P1155	Controlador alternativo combustible
P1156	Interruptor seleccion combustible – circuito defectuoso
P1157	Sonda lambda 2 bloque 2 – mezcla pobre
P1158	Sonda lambda 2 bloque 2 – mezcla rica
P1159	Motor paso a paso combustible – circuito defectuoso
P1167	Fallo diagnosis, Mariposa no soltada
P1168	Sensor combustible rail – valor muy bajo
P1169	Sensor combustible rail – valor muy alto
P1170	Solenoid desconexion motor – fallo
P1171	Sensor rotor – fallo
P1172	Control rotor – fallo
P1173	Calibracion rotor – fallo
P1174	Sensor arbol levas – fallo
P1175	Control arbol levas – fallo
P1176	Calibracion arbol levas – fallo
P1177	Fallo sincronizacion
P1178	Circuito abierto
P1180	Sensor temperatura combustible -señal baja
P1181	Sensor temperatura combustible -señal alta
P1182	Solenoid desconexion combustible – circuito defectuoso
P1183	Temperatura aceite motor – circuito defectuoso
P1184	Temperatura aceite motor – fuera de rango
P1185	Sensor temperatura bomba combustible – alto
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P2218	NOx Sensor Heater Control Circuit/Open Bank 2

P2219	NOx Sensor Heater Control Circuit Low Bank 2
P2220	NOx Sensor Heater Control Circuit High Bank 2
P2221	NOx Sensor Heater Sense Circuit Bank 2
P2222	NOx Sensor Heater Sense Circuit Range/Performance Bank 2
P2223	NOx Sensor Heater Sense Circuit Low Bank 2
P2224	NOx Sensor Heater Sense Circuit High Bank 2
P2225	NOx Sensor Heater Sense Circuit Intermittent Bank 2
P2226	Barometric Pressure Circuit
P2227	Barometric Pressure Circuit Range/Performance
P2228	Barometric Pressure Circuit Low
P2229	Barometric Pressure Circuit High
P2230	Barometric Pressure Circuit Intermittent
P2231	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 1 Sensor 1
P2232	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 1 Sensor 2
P2233	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 1 Sensor 3
P2234	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 2 Sensor 1
P2235	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 2 Sensor 2
P2236	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 2 Sensor 3
P2237	O2 Sensor Positive Current Control Circuit/Open Bank 1 Sensor 1
P2238	O2 Sensor Positive Current Control Circuit Low Bank 1 Sensor 1
P2239	O2 Sensor Positive Current Control Circuit High Bank 1 Sensor 1
P2240	O2 Sensor Positive Current Control Circuit/Open Bank 2 Sensor 1
P2241	O2 Sensor Positive Current Control Circuit Low Bank 2 Sensor 1
P2242	O2 Sensor Positive Current Control Circuit High Bank 2 Sensor 1
P2243	O2 Sensor Reference Voltage Circuit/Open Bank 1 Sensor 1
P2244	O2 Sensor Reference Voltage Performance Bank 1 Sensor 1
P2245	O2 Sensor Reference Voltage Circuit Low Bank 1 Sensor 1
P2246	O2 Sensor Reference Voltage Circuit High Bank 1 Sensor 1
P2247	O2 Sensor Reference Voltage Circuit/Open Bank 2 Sensor 1
P2248	O2 Sensor Reference Voltage Performance Bank 2 Sensor 1
P2249	O2 Sensor Reference Voltage Circuit Low Bank 2 Sensor 1
P2250	O2 Sensor Reference Voltage Circuit High Bank 2 Sensor 1
P2251	O2 Sensor Negative Current Control Circuit/Open Bank 1 Sensor 1
P2252	O2 Sensor Negative Current Control Circuit Low Bank 1 Sensor 1
P2253	O2 Sensor Negative Current Control Circuit High Bank 1 Sensor 1
P2254	O2 Sensor Negative Current Control Circuit/Open Bank 2 Sensor 1
P2255	O2 Sensor Negative Current Control Circuit Low Bank 2 Sensor 1
P2256	O2 Sensor Negative Current Control Circuit High Bank 2 Sensor 1
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 Mechanical
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
P2270	O2 Sensor Signal Stuck Lean Bank 1 Sensor 2
P2271	O2 Sensor Signal Stuck Rich Bank 1 Sensor 2
P2272	O2 Sensor Signal Stuck Lean Bank 2 Sensor 2
P2273	O2 Sensor Signal Stuck Rich Bank 2 Sensor 2
P2274	O2 Sensor Signal Stuck Lean Bank 1 Sensor 3
P2275	O2 Sensor Signal Stuck Rich Bank 1 Sensor 3
P2276	O2 Sensor Signal Stuck Lean Bank 2 Sensor 3
P2277	O2 Sensor Signal Stuck Rich Bank 2 Sensor 3
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
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
P2295	Fuel Pressure Regulator 2 Control Circuit Low
P2296	Fuel Pressure Regulator 2 Control Circuit High
P2297	O2 Sensor Out of Range During Deceleration Bank 1 Sensor 1
P2298	O2 Sensor Out of Range During Deceleration Bank 2 Sensor 1

P2299	Brake Pedal Position/Accelerator Pedal Position Incompatible
P2300	Ignition Coil A Primary Control Circuit Low
P2301	Ignition Coil A Primary Control Circuit High
P2302	Ignition Coil A Secondary Circuit
P2303	Ignition Coil B Primary Control Circuit Low
P2304	Ignition Coil B Primary Control Circuit High
P2305	Ignition Coil B Secondary Circuit
P2306	Ignition Coil C Primary Control Circuit Low
P2307	Ignition Coil C Primary Control Circuit High
P2308	Ignition Coil C Secondary Circuit
P2309	Ignition Coil D Primary Control Circuit Low
P2310	Ignition Coil D Primary Control Circuit High
P2311	Ignition Coil D Secondary Circuit
P2312	Ignition Coil E Primary Control Circuit Low
P2313	Ignition Coil E Primary Control Circuit High
P2314	Ignition Coil E Secondary Circuit
P2315	Ignition Coil F Primary Control Circuit Low
P2316	Ignition Coil F Primary Control Circuit High
P2317	Ignition Coil F Secondary Circuit
P2318	Ignition Coil G Primary Control Circuit Low
P2319	Ignition Coil G Primary Control Circuit High
P2320	Ignition Coil G Secondary Circuit
P2321	Ignition Coil H Primary Control Circuit Low
P2322	Ignition Coil H Primary Control Circuit High
P2323	Ignition Coil H Secondary Circuit
P2324	Ignition Coil I Primary Control Circuit Low
P2325	Ignition Coil I Primary Control Circuit High
P2326	Ignition Coil I Secondary Circuit
P2327	Ignition Coil J Primary Control Circuit Low
P2328	Ignition Coil J Primary Control Circuit High
P2329	Ignition Coil J Secondary Circuit
P2330	Ignition Coil K Primary Control Circuit Low
P2331	Ignition Coil K Primary Control Circuit High
P2332	Ignition Coil K Secondary Circuit
P2333	Ignition Coil L Primary Control Circuit Low
P2334	Ignition Coil L Primary Control Circuit High
P2335	Ignition Coil L Secondary Circuit
P2336	Cylinder 1 Above Knock Threshold
P2337	Cylinder 2 Above Knock Threshold
P2338	Cylinder 3 Above Knock Threshold



P2339	Cylinder 4 Above Knock Threshold
P2340	Cylinder 5 Above Knock Threshold
P2341	Cylinder 6 Above Knock Threshold
P2342	Cylinder 7 Above Knock Threshold
P2343	Cylinder 8 Above Knock Threshold
P2344	Cylinder 9 Above Knock Threshold
P2345	Cylinder 10 Above Knock Threshold
P2346	Cylinder 11 Above Knock Threshold
P2347	Cylinder 12 Above Knock Threshold
P2400	Evaporative Emission System Leak Detection Pump Control Circuit/Open
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High
P2403	Evaporative Emission System Leak Detection Pump Sense Circuit/Open
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance
P2405	Evaporative Emission System Leak Detection Pump Sense Circuit Low
P2406	Evaporative Emission System Leak Detection Pump Sense Circuit High
P2407	Evaporative Emission System Leak Detection Pump Sense Circuit Intermittent/Erratic
P2408	Fuel Cap Sensor/Switch Circuit
P2409	Fuel Cap Sensor/Switch Circuit Range/Performance
P240A	Evaporative Emission System Leak Detection Pump Heater Control Circuit/Open
P240B	Evaporative Emission System Leak Detection Pump Heater Control Circuit Low
P240C	Evaporative Emission System Leak Detection Pump Heater Control Circuit High
P240D	ISO/SAE reserved
P240E	ISO/SAE reserved
P240F	ISO/SAE reserved
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 Bank 1 Sensor 1
P2415	O2 Sensor Exhaust Sample Error Bank 2 Sensor 1
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 Bank 1
P2424	HC Adsorption Catalyst Efficiency Below Threshold Bank 2
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 Bank 1
P2429	Exhaust Gas Temperature Too High Bank 2
P242A	Exhaust Gas Temperature Sensor Circuit Bank 1 Sensor 3
P242B	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 3
P242C	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 3
P242D	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 3
P242E	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 3
P242F	Diesel Particulate Filter Restriction Ash Accumulation
P2430	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 1
P2431	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance Bank 1
P2432	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low Bank 1
P2433	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Bank 1
P2434	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic Bank 1
P2435	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 2
P2436	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance Bank 2
P2437	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low Bank 2
P2438	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Bank 2
P2439	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic Bank 2
P2440	Secondary Air Injection System Switching Valve Stuck Open Bank 1
P2441	Secondary Air Injection System Switching Valve Stuck Closed Bank 1
P2442	Secondary Air Injection System Switching Valve Stuck Open Bank 2
P2443	Secondary Air Injection System Switching Valve Stuck Closed Bank 2
P2444	Secondary Air Injection System Pump Stuck On Bank 1
P2445	Secondary Air Injection System Pump Stuck Off Bank 1
P2446	Secondary Air Injection System Pump Stuck On Bank 2

P2447	Secondary Air Injection System Pump Stuck Off Bank 2
P2448	Secondary Air Injection System High Air Flow Bank 1
P2449	Secondary Air Injection System High Air Flow Bank 2
P2450	Evaporative Emission System Switching Valve Performance/Stuck Open
P2451	Evaporative Emission System Switching Valve Stuck Closed
P2452	Diesel Particulate Filter Differential Pressure Sensor Circuit
P2453	Diesel Particulate Filter Differential Pressure Sensor Circuit Range/Performance
P2454	Diesel Particulate Filter Differential Pressure Sensor Circuit Low
P2455	Diesel Particulate Filter Differential Pressure Sensor Circuit High
P2456	Diesel Particulate Filter Differential Pressure Sensor Circuit Intermittent/Erratic
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 Range/Performance
P245C	Exhaust Gas Recirculation Cooler Bypass Control Circuit Low
P245D	Exhaust Gas Recirculation Cooler Bypass Control Circuit High
P245E	ISO/SAE reserved
P245F	ISO/SAE reserved
P2500	Generator Lamp/LTerminal Circuit Low
P2501	Generator Lamp/LTerminal 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	ISO/SAE reserved
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 Range/Performance
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 Range/Performance
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 Intermittent/Erratic
P256F	ISO/SAE reserved
P2570	Direct Ozone Reduction Catalyst Temperature Sensor Circuit High
P2571	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Intermittent/Erratic
P2572	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit
P2573	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Range/Performance
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 Intermittent/Erratic
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 Range/Performance
P2588	Turbocharger Boost Control Position Sensor B Circuit Low
P2589	Turbocharger Boost Control Position Sensor B Circuit High
P2590	Turbocharger Boost Control Position Sensor B Circuit Intermittent/Erratic
P2600	Coolant Pump Control Circuit/Open
P2601	Coolant Pump Control Circuit Range/Performance
P2602	Coolant Pump Control Circuit Low
P2603	Coolant Pump Control Circuit High
P2604	Intake Air Heater A Circuit Range/Performance
P2605	Intake Air Heater A Circuit/Open
P2606	Intake Air Heater B Circuit Range/Performance
P2607	Intake Air Heater B Circuit Low
P2608	Intake Air Heater B Circuit High
P2609	Intake Air Heater System Performance
P260A	PTO Control Circuit/Open
P260B	PTO Control Circuit Low
P260C	PTO Control Circuit High
P260D	PTO Engaged Lamp Control Circuit
P260E	ISO/SAE reserved
P260F	Evaporative System Monitoring Processor Performance
P2610	ECM/PCM Internal Engine Off Timer Performance
P2611	A/C Refrigerant Distribution Valve Control Circuit/Open
P2612	A/C Refrigerant Distribution Valve Control Circuit Low
P2613	A/C Refrigerant Distribution Valve Control Circuit High
P2614	Camshaft Position Signal Output Circuit/Open
P2615	Camshaft Position Signal Output Circuit Low
P2616	Camshaft Position Signal Output Circuit High
P2617	Crankshaft Position Signal Output Circuit/Open
P2618	Crankshaft Position Signal Output Circuit Low
P2619	Crankshaft Position Signal Output Circuit High
P2620	Throttle Position Output Circuit/Open
P2621	Throttle Position Output Circuit Low
P2622	Throttle Position Output Circuit High
P2623	Injector Control Pressure Regulator Circuit/Open
P2624	Injector Control Pressure Regulator Circuit Low
P2625	Injector Control Pressure Regulator Circuit High
P2626	O2 Sensor Pumping Current Trim Circuit/Open Bank 1 Sensor 1
P2627	O2 Sensor Pumping Current Trim Circuit Low Bank 1 Sensor 1
P2628	O2 Sensor Pumping Current Trim Circuit High Bank 1 Sensor 1
P2629	O2 Sensor Pumping Current Trim Circuit/Open Bank 2 Sensor 1



P2630	O2 Sensor Pumping Current Trim Circuit Low Bank 2 Sensor 1
P2631	O2 Sensor Pumping Current Trim Circuit High Bank 2 Sensor 1
P2632	Fuel Pump B Control Circuit /Open
P2633	Fuel Pump B Control Circuit Low
P2634	Fuel Pump B Control Circuit High
P2635	Fuel Pump A Low Flow / Performance
P2636	Fuel Pump B Low Flow / Performance
P2637	Torque Management Feedback Signal A
P2638	Torque Management Feedback Signal A Range/Performance
P2639	Torque Management Feedback Signal A Low
P2640	Torque Management Feedback Signal A High
P2641	Torque Management Feedback Signal B
P2642	Torque Management Feedback Signal B Range/Performance
P2643	Torque Management Feedback Signal B Low
P2644	Torque Management Feedback Signal B High
P2645	A Rocker Arm Actuator Control Circuit/Open Bank 1
P2646	A Rocker Arm Actuator System Performance or Stuck Off Bank 1
P2647	A Rocker Arm Actuator System Stuck On Bank 1
P2648	A Rocker Arm Actuator Control Circuit Low Bank 1
P2649	A Rocker Arm Actuator Control Circuit High Bank 1
P264A	A Rocker Arm Actuator Position Sensor Circuit Bank 1
P264B	A Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 1
P264C	A Rocker Arm Actuator Position Sensor Circuit Low Bank 1
P264D	A Rocker Arm Actuator Position Sensor Circuit High Bank 1
P264E	A Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 1
P2650	B Rocker Arm Actuator Control Circuit/Open Bank 1
P2651	B Rocker Arm Actuator System Performance/Stuck Off Bank 1
P2652	B Rocker Arm Actuator System Stuck On Bank 1
P2653	B Rocker Arm Actuator Control Circuit Low Bank 1
P2654	B Rocker Arm Actuator Control Circuit High Bank 1
P2655	A Rocker Arm Actuator Control Circuit/Open Bank 2
P2656	A Rocker Arm Actuator System Performance or Stuck Off Bank 2
P2657	A Rocker Arm Actuator System Stuck On Bank 2
P2658	A Rocker Arm Actuator Control Circuit Low Bank 2
P2659	A Rocker Arm Actuator Control Circuit High Bank 2
P265A	B Rocker Arm Actuator Position Sensor Circuit Bank 1
P265B	B Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 1
P265C	B Rocker Arm Actuator Position Sensor Circuit Low Bank 1
P265D	B Rocker Arm Actuator Position Sensor Circuit High Bank 1
P265E	B Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 1

P2660	B Rocker Arm Actuator Control Circuit/Open Bank 2
P2661	B Rocker Arm Actuator System Performance/Stuck Off Bank 2
P2662	B Rocker Arm Actuator System Stuck On Bank 2
P2663	B Rocker Arm Actuator Control Circuit Low Bank 2
P2664	B Rocker Arm Actuator Control Circuit High Bank 2
P2665	Fuel Shutoff Valve B Control Circuit/Open
P2666	Fuel Shutoff Valve B Control Circuit Low
P2667	Fuel Shutoff Valve B Control Circuit High
P2668	Fuel Mode Indicator Lamp Control Circuit
P2669	Actuator Supply Voltage B Circuit /Open
P266A	A Rocker Arm Actuator Position Sensor Circuit Bank 2
P266B	A Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 2
P266C	A Rocker Arm Actuator Position Sensor Circuit Low Bank 2
P266D	A Rocker Arm Actuator Position Sensor Circuit High Bank 2
P266E	A Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 2
P2670	Actuator Supply Voltage B Circuit Low
P2671	Actuator Supply Voltage B Circuit High
P2672	Injection Pump Timing Offset
P2673	Injection Pump Timing Calibration Not Learned
P2674	Injection Pump Fuel Calibration Not Learned
P2675	Air Cleaner Inlet Control Circuit/Open
P2676	Air Cleaner Inlet Control Circuit Low
P2677	Air Cleaner Inlet Control Circuit High
P2678	Coolant Degassing Valve Control Circuit/Open
P2679	Coolant Degassing Valve Control Circuit Low
P267A	B Rocker Arm Actuator Position Sensor Circuit Bank 2
P267B	B Rocker Arm Actuator Position Sensor Circuit Range/Performance Bank 2
P267C	B Rocker Arm Actuator Position Sensor Circuit Low Bank 2
P267D	B Rocker Arm Actuator Position Sensor Circuit High Bank 2
P267E	B Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic Bank 2
P2680	Coolant Degassing Valve Control Circuit High
P2681	Engine Coolant Bypass Valve Control Circuit/Open
P2682	Engine Coolant Bypass Valve Control Circuit Low
P2683	Engine Coolant Bypass Valve Control Circuit High
P2684	Actuator Supply Voltage C Circuit/Open
P2685	Actuator Supply Voltage C Circuit Low
P2686	Actuator Supply Voltage C Circuit High
P2687	Fuel Supply Heater Control Circuit/Open
P2688	Fuel Supply Heater Control Circuit Low
P2689	Fuel Supply Heater Control Circuit High

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 Range/Performance
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 Performance/Stuck Off
P2758	Torque Converter Clutch Pressure Control Solenoid Control Circuit Stuck On
P2759	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical
P2760	Torque Converter Clutch Pressure Control Solenoid Control Circuit Intermittent
P2761	Torque Converter Clutch Pressure Control Solenoid Control Circuit/Open
P2762	Torque Converter Clutch Pressure Control Solenoid Control Circuit Range/Performance
P2763	Torque Converter Clutch Pressure Control Solenoid Control Circuit High
P2764	Torque Converter Clutch Pressure Control Solenoid Control Circuit Low
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 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	SAE/ISO reserved
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
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 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
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
P2A00	O2 Sensor Circuit Range/Performance Bank 1 Sensor 1
P2A01	O2 Sensor Circuit Range/Performance Bank 1 Sensor 2
P2A02	O2 Sensor Circuit Range/Performance Bank 1 Sensor 3
P2A03	O2 Sensor Circuit Range/Performance Bank 2 Sensor 1
P2A04	O2 Sensor Circuit Range/Performance Bank 2 Sensor 2

P2A05	O2 Sensor Circuit Range/Performance Bank 2 Sensor 3
P2A06	O2 Sensor Negative Voltage Bank 1 Sensor 1
P2A07	O2 Sensor Negative Voltage Bank 1 Sensor 2
P2A08	O2 Sensor Negative Voltage Bank 1 Sensor 3
P2A09	O2 Sensor Negative Voltage Bank 2 Sensor 1
P2A10	O2 Sensor Negative Voltage Bank 2 Sensor 2
P2A11	O2 Sensor Negative Voltage Bank 2 Sensor 3
P3400	Cylinder Deactivation System Bank 1
P3401	Cylinder 1 Deactivation/Intake Valve Control Circuit/Open
P3402	Cylinder 1 Deactivation/Intake Valve Control Circuit Performance
P3403	Cylinder 1 Deactivation/Intake Valve Control Circuit Low
P3404	Cylinder 1 Deactivation/Intake Valve Control Circuit High
P3405	Cylinder 1 Exhaust Valve Control Circuit/Open
P3406	Cylinder 1 Exhaust Valve Control Circuit Performance
P3407	Cylinder 1 Exhaust Valve Control Circuit Low
P3408	Cylinder 1 Exhaust Valve Control Circuit High
P3409	Cylinder 2 Deactivation/Intake Valve Control Circuit/Open
P3410	Cylinder 2 Deactivation/Intake Valve Control Circuit Performance
P3411	Cylinder 2 Deactivation/Intake Valve Control Circuit Low
P3412	Cylinder 2 Deactivation/Intake Valve Control Circuit High
P3413	Cylinder 2 Exhaust Valve Control Circuit/Open
P3414	Cylinder 2 Exhaust Valve Control Circuit Performance
P3415	Cylinder 2 Exhaust Valve Control Circuit Low
P3416	Cylinder 2 Exhaust Valve Control Circuit High
P3417	Cylinder 3 Deactivation/Intake Valve Control Circuit/Open
P3418	Cylinder 3 Deactivation/Intake Valve Control Circuit Performance
P3419	Cylinder 3 Deactivation/Intake Valve Control Circuit Low
P3420	Cylinder 3 Deactivation/Intake Valve Control Circuit High
P3421	Cylinder 3 Exhaust Valve Control Circuit/Open
P3422	Cylinder 3 Exhaust Valve Control Circuit Performance
P3423	Cylinder 3 Exhaust Valve Control Circuit Low
P3424	Cylinder 3 Exhaust Valve Control Circuit High
P3425	Cylinder 4 Deactivation/Intake Valve Control Circuit/Open
P3426	Cylinder 4 Deactivation/Intake Valve Control Circuit Performance
P3427	Cylinder 4 Deactivation/Intake Valve Control Circuit Low
P3428	Cylinder 4 Deactivation/Intake Valve Control Circuit High
P3429	Cylinder 4 Exhaust Valve Control Circuit/Open
P3430	Cylinder 4 Exhaust Valve Control Circuit Performance
P3431	Cylinder 4 Exhaust Valve Control Circuit Low
P3432	Cylinder 4 Exhaust Valve Control Circuit High



P3433	Cylinder 5 Deactivation/Intake Valve Control Circuit/Open
P3434	Cylinder 5 Deactivation/Intake Valve Control Circuit Performance
P3435	Cylinder 5 Deactivation/Intake Valve Control Circuit Low
P3436	Cylinder 5 Deactivation/Intake Valve Control Circuit High
P3437	Cylinder 5 Exhaust Valve Control Circuit/Open
P3438	Cylinder 5 Exhaust Valve Control Circuit Performance
P3439	Cylinder 5 Exhaust Valve Control Circuit Low
P3440	Cylinder 5 Exhaust Valve Control Circuit High
P3441	Cylinder 6 Deactivation/Intake Valve Control Circuit/Open
P3442	Cylinder 6 Deactivation/Intake Valve Control Circuit Performance
P3443	Cylinder 6 Deactivation/Intake Valve Control Circuit Low
P3444	Cylinder 6 Deactivation/Intake Valve Control Circuit High
P3445	Cylinder 6 Exhaust Valve Control Circuit/Open
P3446	Cylinder 6 Exhaust Valve Control Circuit Performance
P3447	Cylinder 6 Exhaust Valve Control Circuit Low
P3448	Cylinder 6 Exhaust Valve Control Circuit High
P3449	Cylinder 7 Deactivation/Intake Valve Control Circuit/Open
P3450	Cylinder 7 Deactivation/Intake Valve Control Circuit Performance
P3451	Cylinder 7 Deactivation/Intake Valve Control Circuit Low
P3452	Cylinder 7 Deactivation/Intake Valve Control Circuit High
P3453	Cylinder 7 Exhaust Valve Control Circuit/Open
P3454	Cylinder 7 Exhaust Valve Control Circuit Performance
P3455	Cylinder 7 Exhaust Valve Control Circuit Low
P3456	Cylinder 7 Exhaust Valve Control Circuit High
P3457	Cylinder 8 Deactivation/Intake Valve Control Circuit/Open
P3458	Cylinder 8 Deactivation/Intake Valve Control Circuit Performance
P3459	Cylinder 8 Deactivation/Intake Valve Control Circuit Low
P3460	Cylinder 8 Deactivation/Intake Valve Control Circuit High
P3461	Cylinder 8 Exhaust Valve Control Circuit/Open
P3462	Cylinder 8 Exhaust Valve Control Circuit Performance
P3463	Cylinder 8 Exhaust Valve Control Circuit Low
P3464	Cylinder 8 Exhaust Valve Control Circuit High
P3465	Cylinder 9 Deactivation/Intake Valve Control Circuit/Open
P3466	Cylinder 9 Deactivation/Intake Valve Control Circuit Performance
P3467	Cylinder 9 Deactivation/Intake Valve Control Circuit Low
P3468	Cylinder 9 Deactivation/Intake Valve Control Circuit High
P3469	Cylinder 9 Exhaust Valve Control Circuit/Open
P3470	Cylinder 9 Exhaust Valve Control Circuit Performance
P3471	Cylinder 9 Exhaust Valve Control Circuit Low
P3472	Cylinder 9 Exhaust Valve Control Circuit High

P3473	Cylinder 10 Deactivation/Intake Valve Control Circuit/Open
P3474	Cylinder 10 Deactivation/Intake Valve Control Circuit Performance
P3475	Cylinder 10 Deactivation/Intake Valve Control Circuit Low
P3476	Cylinder 10 Deactivation/Intake Valve Control Circuit High
P3477	Cylinder 10 Exhaust Valve Control Circuit/Open
P3478	Cylinder 10 Exhaust Valve Control Circuit Performance
P3479	Cylinder 10 Exhaust Valve Control Circuit Low
P3480	Cylinder 10 Exhaust Valve Control Circuit High
P3481	Cylinder 11 Deactivation/Intake Valve Control Circuit/Open
P3482	Cylinder 11 Deactivation/Intake Valve Control Circuit Performance
P3483	Cylinder 11 Deactivation/Intake Valve Control Circuit Low
P3484	Cylinder 11 Deactivation/Intake Valve Control Circuit High
P3485	Cylinder 11 Exhaust Valve Control Circuit/Open
P3486	Cylinder 11 Exhaust Valve Control Circuit Performance
P3487	Cylinder 11 Exhaust Valve Control Circuit Low
P3488	Cylinder 11 Exhaust Valve Control Circuit High
P3489	Cylinder 12 Deactivation/Intake Valve Control Circuit/Open
P3490	Cylinder 12 Deactivation/Intake Valve Control Circuit Performance
P3491	Cylinder 12 Deactivation/Intake Valve Control Circuit Low
P3492	Cylinder 12 Deactivation/Intake Valve Control Circuit High
P3493	Cylinder 12 Exhaust Valve Control Circuit/Open
P3494	Cylinder 12 Exhaust Valve Control Circuit Performance
P3495	Cylinder 12 Exhaust Valve Control Circuit Low
P3496	Cylinder 12 Exhaust Valve Control Circuit High
P3497	Cylinder Deactivation System Bank 2