



SWOBD4

Deluxe OBDII Fault Code Reader

Information for use

PLEASE NOTE: You will only be able to turn an engine warning/fault light OFF when the problem causing the warning light has been resolved.

For your vehicle to be OBDII compliant it must have a 16-pin DLC (Data Link Connector) and the Vehicle Emission Control Information Label must state that the vehicle is OBD II compliant. **PLEASE NOTE:** The Reader will NOT work with ABS or SRS (air bag) systems and is NOT compatible with hybrid or electric vehicles, it can ONLY deal with engine management faults. You will only be able to turn an engine warning/fault light OFF when the problem causing the warning light has been resolved.

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
P0009	Engine Position System Performance
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
P000E	ISO/SAE reserved
P000F	ISO/SAE reserved
P0010	[A] Camshaft Position Actuator Circuit (Bank 1)
P0011	[A]Cam Pos -Timing Over-Advanced/Sys Performance(Bank1)
P0012	[A] Camshaft Position - Timing Over-Retarded (Bank 1)
P0013	[B] Camshaft Position - Actuator Circuit (Bank 1)
P0014	[B]Cam Pos -Timing Over-Advanced/Sys Performance(Bank1)
P0015	[B] Camshaft Position -Timing Over-Retarded (Bank 1)
P0016	Crankshaft Position - Camshaft Position Correlation
P0017	Crankshaft Position - Camshaft Position Correlation
P0018	Crankshaft Position - Camshaft Position Correlation
P0019	Crankshaft Position - Camshaft Position Correlation
P0020	[A] Camshaft Position Actuator Circuit (Bank 2)
P0021	[A]Cam Pos -Timing Over-Advanced/Sys Performance(Bank2)
P0022	[A] Camshaft Position - Timing Over-Retarded (Bank 2)
P0023	[B] Camshaft Position - Actuator Circuit (Bank 2)
P0024	[B]Cam Pos -Timing Over-Advanced/Sys Performance(Bank2)
P0025	[B] Camshaft Position - Timing Over-Retarded (Bank 2)
P0026	Intake Valve Control Solenoid Circuit Range/Performance
P0027	Exhaust Valve Control Solenoid Circuit Range/Performance
P0028	Intake Valve Control Solenoid Circuit Range/Performance
P0029	Exhaust Valve Control Solenoid Circuit Range/Performance
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	Turbo Charger Bypass Valve Control Circuit
P0034	Turbo Charger Bypass Valve Control Circuit Low
P0035	Turbo Charger 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	Turbo/Super Charger 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	Turbo/Super Charger Boost Control Solenoid Circuit/Open
P0046	Turbo/Super Charger Boost Control Solenoid Circuit Range/Performance
P0047	Turbo/Super Charger Boost Control Solenoid Circuit Low
P0048	Turbo/Super Charger Boost Control Solenoid Circuit High
P0049	Turbo/Super Charger Turbine Overspeed
P004A	Turbocharger/Supercharger Boost Control Solenoid B Circuit / Open
P004B	Turbocharger/Supercharger Boost Control Solenoid B Circuit Range/Performance
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
P0054	HO2S Heater Resistance

P0055	HO2S Heater Resistance
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
P0060	HO2S Heater Resistance
P0061	HO2S Heater Resistance
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	ISO/SAE Reserved
P006C	ISO/SAE Reserved
P006D	ISO/SAE Reserved
P006E	ISO/SAE Reserved
P006F	ISO/SAE Reserved
P0070	Ambient Air Temperature Sensor Circuit
P0071	Ambient Air Temperature Sensor Range/Performance
P0072	Ambient Air Temperature Sensor Circuit Low Input
P0073	Ambient Air Temperature Sensor Circuit High Input
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
P0100	Mass or Volume Air Flow Circuit
P0101	Mass or Volume Air Flow Circuit Range/Performance Problem
P0102	Mass or Volume Air Flow Circuit Low Input
P0103	Mass or Volume Air Flow Circuit High Input
P0104	Mass or Volume Air Flow Circuit Intermittent
P0105	Manifold Absolute Pressure/Barometric Pressure Circuit
P0106	MAP/Barometric Press Circuit Range/Performance Problem
P0107	MAP/Barometric Pressure Circuit Low Input
P0108	MAP/Barometric Pressure Circuit High Input
P0109	MAP/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 Input
P010D	Mass or Volume Air Flow B Circuit High Input
P010E	Mass or Volume Air Flow B Circuit Intermittent/Erratic

P010F	Mass or Volume Air Flow Sensor A/B Correlation
P0110	Intake Air Temperature Circuit
P0111	Intake Air Temperature Circuit Range/Performance Problem
P0112	Intake Air Temperature Circuit Low Input
P0113	Intake Air Temperature Circuit High Input
P0114	Intake Air Temperature Circuit Intermittent
P0115	Engine Coolant Temperature Circuit
P0116	Coolant Temperature Circuit Range/Performance Problem
P0117	Engine Coolant Temperature Circuit Low Input
P0118	Engine Coolant Temperature Circuit High Input
P0119	Engine Coolant Temperature Circuit Intermittent
P011A	Engine Coolant Temperature Sensor 1/2 Correlation
P0120	Throttle/Pedal Position Sensor/Switch A Circuit
P0121	Throttle / Pedal / Switch A Circuit Range/Problem
P0122	Throttle/Pedal Position Sensor/SW A Circuit Low Input
P0123	Throttle/Pedal Position Sensor/SW A Circuit High Input
P0124	Throttle/Pedal Position / SW A Circuit Intermittent
P0125	Insufficient Coolant Temp for Closed Loop Fuel Control
P0126	Insufficient Coolant Temperature for Stable Operation
P0127	Intake Air Temperature Too High
P0128	Coolant Temperature Below Thermostat Regulating Temp
P0129	CODE 0129
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 Malfunction (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 Malfunction (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 Malfunction (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 Malfunction (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 Malfunction (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 Input
P0179	Fuel Composition Sensor Circuit High Input
P0180	Fuel Temperature Sensor A Circuit
P0181	Fuel Temperature Sensor A Circuit Range/Performance
P0182	Fuel Temperature Sensor A Circuit Low Input
P0183	Fuel Temperature Sensor A Circuit High Input
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 Input
P0188	Fuel Temperature Sensor B Circuit High Input
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/Erractic
P018F	ISO/SAE reserved
P0190	Fuel Rail Pressure Sensor Circuit
P0191	Fuel Rail Pressure Sensor Circuit Range/Performance
P0192	Fuel Rail Pressure Sensor Circuit Low In put
P0193	Fuel Rail Pressure Sensor Circuit High Input
P0194	Fuel Rail Pressure Sensor Circuit Intermittent
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
P0201	Injector Circuit - Cylinder 1
P0202	Injector Circuit - Cylinder 2
P0203	Injector Circuit - Cylinder 3
P0204	Injector Circuit - Cylinder 4
P0205	Injector Circuit - Cylinder 5
P0206	Injector Circuit - Cylinder 6
P0207	Injector Circuit - Cylinder 7
P0208	Injector Circuit - Cylinder 8
P0209	Injector Circuit - 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 - Cylinder 10
P0211	Injector Circuit - Cylinder 11
P0212	Injector Circuit - 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 Over Speed 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 Sensor/SW B Circuit Range/Problem

P0222	Throttle/Pedal Position Sensor/SW B Circuit Low Input
P0223	Throttle/Pedal Sensor/Switch [B] Circuit High Input
P0224	Throttle/Pedal Sensor/Switch [B] Circuit Intermittent
P0225	Throttle/Pedal Position Sensor/Switch [C] Circuit
P0226	Throttle/Pedal Sensor/Switch C Circuit Range/Problem
P0227	Throttle/Pedal Sensor/Switch C Circuit Low Input
P0228	Throttle/Pedal Sensor/Switch [C] Circuit High Input
P0229	Throttle/Pedal 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	Turbo/Super Charger Overboost Condition
P0235	Turbo/Super Charger Boost Sensor[A] Circuit
P0236	Turbo/Super Charger Boost Sensor[A] Range/Performance
P0237	Turbo/Super Charger Boost Sensor[A] Circuit Low
P0238	Turbo/Super Charger Boost Sensor[A] Circuit High
P0239	Turbo/Super Charger 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
P023F	ISO/SAE reserved
P0240	Turbo/Super Charger Boost Sensor[B] Range/Performance
P0241	Turbo/Super Charger Boost Sensor[B] Circuit Low
P0242	Turbo/Super Charger Boost Sensor[B] Circuit High
P0243	Turbo/Super Charger Wastegate Solenoid [A]
P0244	Turbo/Super Charger Wastegate Sol A Range/Performance
P0245	Turbo/Super Charger Wastegate Solenoid [A] Low
P0246	Turbo/Super Charger Wastegate Solenoid [A] High
P0247	Turbo/Super Charger Wastegate Solenoid [B]
P0248	Turbo/Super Charger Wastegate Sol [B] Range/Performance
P0249	Turbo/Super Charger 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	Turbo/Super Charger Wastegate Solenoid [B] High
P0251	Inj Pump Fuel Metering Control [A] (Cam/rotor/Injector)
P0252	Inj Pump Fuel Metering Ctrl A Range/Perf (Cam/Rotor/Inj)
P0253	Inj Pump Fuel Metering Control [A] Low(Cam/Rotor/Inj)
P0254	Inj Pump Fuel Metering Control A High (Cam/Rotor/Inj)
P0255	Inj Pump Fuel Meter Ctrl A Intermittent(Cam/Rotor/Inj)
P0256	Inj Pump Fuel Metering Control B(Cam/Rotor/Injector)
P0257	Inj Pump Fuel Meter Ctrl B Range/Perfo (Cam/Rotor/Inj)
P0258	Inj Pump Fuel Metering Control B Low(Cam/Rotor/Injector)
P0259	Inj Pump Fuel Meter Ctrl [B] High (Cam/Rotor/Injector)
P0260	Inj Pump Fuel Meter Ctrl B Intermittent(Cam/Rotor/Inj)
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	CODE 0297
P0298	Engine Oil Over Temperature
P0299	CODE 0299
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"
P0320	Ignition/Distributor Engine Speed Input Circuit
P0321	Ign /Distributor Eng Speed Input Range/Performance
P0322	Ign /Distributor Engine Speed Input Circuit No Signal
P0323	Ign /Distributor Eng Speed Input Circuit Intermittent
P0324	Knock Control System Error
P0325	Knock Sensor 1 Circuit (Bank 1 or Single Sensor)
P0326	Knock Sensor 1 Range/Performance(Bank 1 or Sensor)
P0327	Knock Sensor 1 Circuit Low Input (Bank 1 or Sensor)
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Sensor)
P0329	Knock Sensor 1 Circuit Input Intermittent(Bank 1/Sensor)
P0330	Knock Sensor 2 Circuit (Bank 2)
P0331	Knock Sensor 2 Circuit Range/Performance (Bank 2)
P0332	Knock Sensor 2 Circuit Low Input (Bank 2)
P0333	Knock Sensor 2 Circuit High Input (Bank 2)
P0334	Knock Sensor 2 Circuit Input Intermittent (Bank 2)
P0335	Crankshaft Position Sensor A Circuit

P0336	Crankshaft Position Sensor A Circuit Range/Performance
P0337	Crankshaft Position Sensor A Circuit Low Input
P0338	Crankshaft Position Sensor A Circuit High Input
P0339	Crankshaft Position Sensor A Circuit Intermittent
P0340	Camshaft Position Sensor [A] Circuit (Bank 1 / Sensor)
P0341	Cam Pos Sensor A Range/Performance(Bank 1/Sensor)
P0342	Camshaft Position Sensor A Low Input(Bank 1 or Sensor)
P0343	Cam Pos Sensor A High Input (Bank 1 or Single Sensor)
P0344	Cam Pos Sensor A Intermittent (Bank 1 or Single Sensor)
P0345	Camshaft Position Sensor [A] Circuit (Bank 2)
P0346	Cam Position Sensor A Circuit Range/Performance(Bank2)
P0347	Camshaft Position Sensor [A] Circuit Low Input (Bank2)
P0348	Camshaft Position Sensor [A] Circuit High Input (Bank2)
P0349	Camshaft Position Sensor A Circuit Intermittent(Bank2)
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	CODE 0363
P0364	CODE 0364
P0365	Camshaft Position Sensor [B] Circuit (Bank 1)
P0366	Camshaft Position Sensor [B] Range/Performance (Bank 1)
P0367	Camshaft Position Sensor [B] Circuit Low Input (Bank 1)
P0368	Camshaft Position Sensor [B] Circuit High Input (Bank 1)
P0369	Camshaft Position Sensor B Circuit Intermittent(Bank1)
P0370	Timing Reference High Resolution Signal [A]
P0371	Timing Reference High Res Signal A Too Many Pulses
P0372	Timing Reference High Res Signal [A] Too Few Pulses
P0373	Timing Reference High Res 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 [B] Too Many Pulses
P0377	Timing Reference High Resolution [B] Too Few Pulses
P0378	Timing Ref High Resolution B Intermittent/Erratic Pulse
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	CODE 0383
P0384	CODE 0384
P0385	Crankshaft Position Sensor [B] Circuit
P0386	Crankshaft Position Sensor B Circuit Range/Performance
P0387	Crankshaft Position Sensor [B] Circuit Low Input
P0388	Crankshaft Position Sensor [B] Circuit High Input
P0389	Crankshaft Position Sensor [B] Circuit Intermittent
P0390	camshaft Position Sensor [B] Circuit
P0391	Camshaft Position Sensor B Range/Performance (Bank 2)
P0392	Camshaft Position Sensor [B] Circuit Low Input(Bank 2)
P0393	Camshaft Position Sensor [B] Circuit High Input(Bank 2)
P0394	Camshaft Position Sensor B Circuit Intermittent(Bank2)
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 Ctrl 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	2nd Air Injection System Switching Valve [A] Circuit
P0413	2nd Air Injection System Switching Valve [A] Open
P0414	2nd Air Injection System Switching Valve [A] Shorted
P0415	2nd Air Injection System Switching Valve [B] Circuit
P0416	2nd Air Injection System Switching Valve [B] Open
P0417	2nd Air Injection System Switching Valve B Shorted
P0418	Secondary Air Injection System Relay [A] Circuit
P0419	Secondary Air Injection System Relay [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
P041F	ISO/SAE reserved
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 (Bank 1)
P0426	Catalyst Temperature Sensor Range/Performance (Bank 1)
P0427	Catalyst Temperature Sensor Low Input (Bank 1)
P0428	Catalyst Temperature Sensor High Input (Bank 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
P042E	ISO/SAE reserved
P042F	ISO/SAE reserved
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 (Bank 2)
P0436	Catalyst Temperature Sensor Range/Performance (Bank 2)
P0437	Catalyst Temperature Sensor Low Input (Bank 2)
P0438	Catalyst Temperature Sensor High Input (Bank 2)
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 Control System
P0441	Evaporative Emission Ctrl System Incorrect Purge Flow
P0442	Evaporative Emission Ctrl Sys Leak Detected(small leak)
P0443	Evaporative Emission Ctrl Sys Purge Ctrl Valve Circuit
P0444	Evaporative Emission Ctrl System Purge Ctrl Valve Open
P0445	Evaporative Emission Ctrl System Purge Ctrl Valve Short
P0446	Evaporative Emission Control Sys Vent Control Circuit
P0447	Evaporative Emission Control System Vent Control Open
P0448	Evaporative Emission Control System Vent Control Short

P0449	Evaporative Emission Control System Vent Valve/Solenoid
P0450	Evaporative Emission Control System Pressure Sensor
P0451	Evaporative Emission Ctrl Sys Pres Range/Performance
P0452	Evaporative Emission Control Sys Pres Sensor Low Input
P0453	Evaporative Emission Ctrl System Pres Sensor High input
P0454	Evaporative Emission Ctrl Sys Pres Sensor Intermittent
P0455	Evaporative Emission Ctrl Sys Leak Detected (gross leak)
P0456	Evaporative Emission Ctrl Sys Leak Detected (small leak)
P0457	Evap Emission Ctrl Sys Leak Detect(fuel cap loose)
P0458	CODE 0458
P0459	CODE 0459
P0460	Fuel Level Sensor Circuit
P0461	Fuel Level Sensor Circuit Range/Performance
P0462	Fuel Level Sensor Circuit Low Input
P0463	Fuel Level Sensor Circuit High Input
P0464	Fuel Level Sensor Circuit Intermittent
P0465	EVAP Purge Flow Sensor Circuit
P0466	EVAP Purge Flow Sensor Circuit Range/Performance
P0467	EVAP Purge Flow Sensor Circuit Low Input
P0468	EVAP Purge Flow Sensor Circuit High Input
P0469	EVAP Purge Flow Sensor Circuit Intermittent
P0470	Exhaust Pressure Sensor
P0471	Exhaust Pressure Sensor Range/Performance
P0472	Exhaust Pressure Sensor Low
P0473	Exhaust Pressure Sensor High
P0474	Exhaust Pressure Sensor Intermittent
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
P047AE	Exhaust Pressure Sensor B Circuit
P047BE	Exhaust Pressure Sensor B Circuit Range/Performance
P047CE	Exhaust Pressure Sensor B Circuit Low
P047DE	Exhaust Pressure Sensor B Circuit High
P047EE	Exhaust Pressure Sensor B Circuit Intermittent/Erratic
P047FI	SO/SAE reserved
P0480	Cooling Fan 1 Control Circuit
P0481	Cooling Fan 2 Control Circuit
P0482	Cooling Fan 3 Control Circuit
P0483	Cooling Fan Rationality Check
P0484	Cooling Fan Circuit Over Current
P0485	Cooling Fan Power/Ground Circuit
P0486	Exhaust Gas Recirculation Sensor [B] Circuit
P0487	Exhaust Gas Recirculation Throttle Position Control
P0488	Exhaust Gas Recirculation Throttle Ctrl Range/Performa
P0489	CODE 0489
P0490	CODE 0490
P0491	Secondary Air Injection System (Bank 1)
P0492	Secondary Air Injection System (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
P0501	Vehicle Speed Sensor Range/Performance
P0502	Vehicle Speed Sensor Circuit Low Input
P0503	Vehicle Speed Sensor Intermittent/Erratic/High
P0504	CODE 0504
P0505	Idle Control System
P0506	Idle Control System RPM Lower Than Expected
P0507	Idle Control System RPM Higher Than Expected
P0508	Idle Control System Circuit Low

P0509	Idle Control System Circuit High
P0510	Closed Throttle Position Switch
P0511	Idle Air Control Circuit
P0512	Starter Request Circuit
P0513	Incorrect Immobilizer Key(Immobilizer pending)
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 Voltage
P0523	Engine Oil Pressure Sensor/Switch High Voltage
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 Circuit
P0531	A/C Refrigerant Pressure Sensor Circuit Range/Performance
P0532	A/C Refrigerant Pressure Sensor Circuit Low Input
P0533	A/C Refrigerant Pressure Sensor Circuit High Input
P0534	Air Conditioner 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
P0540	Intake Air Heater Circuit
P0541	Intake Air Heater Circuit Low
P0542	Intake Air Heater Circuit High
P0543	Intake Air Heater "A" Circuit Open
P0544	Exhaust Gas Temperature Sensor Circuit (Bank 1)
P0545	Exhaust Gas Temperature Sensor Circuit Low (Bank 1)
P0546	Exhaust Gas Temperature Sensor Circuit High (Bank 1)
P0547	Exhaust Gas Temperature Sensor Circuit (Bank 2)
P0548	Exhaust Gas Temperature Sensor Circuit Low (Bank 2)
P0549	Exhaust Gas Temperature Sensor Circuit High (Bank 2)
P0550	Power Steering Pressure Sensor Circuit
P0551	Power Steering Pressure Sensor Circuit Range/Performance
P0552	Power Steering Pressure Sensor Circuit Low Input
P0553	Power Steering Pressure Sensor Circuit High Input
P0554	Power Steering Pressure Sensor Circuit Intermittent
P0555	Brake Booster Pressure Sensor Circuit
P0556	Brake Booster Pressure Sensor Circuit Range/Performance
P0557	Brake Booster Pressure Sensor Circuit Low Input
P0558	Brake Booster Pressure Sensor Circuit High Input
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 Signal
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
P0570	Cruise Control Accel Signal
P0571	Cruise Control/Brake Switch A Circuit
P0572	Cruise Control/Brake Switch A Circuit Low
P0573	Cruise Control/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	through P0580 Reserved for Cruise Control Codes
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 Control Circuit
P0622	Generator Field [F] Terminal Control 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 Mismatch - ECM/PCM
P0631	VIN Not Programmed or Mismatch - 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 Circuit /Immobilizer pending(J1930)
P0649	Speed Control Lamp Control Circuit
P0650	Malfunction Indicator Lamp (ML) 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
P0660	Intake Manifold Tuning Valve Control Circuit (Bank 1)
P0661	Intake Manifold Tuning Valve Control Low (Bank 1)
P0662	Intake Manifold Tuning Valve Control High (Bank 1)
P0663	Intake Manifold Tuning Valve Control (Bank 2)
P0664	Intake Manifold Tuning Valve Control Circuit Low(Bank2)
P0665	Intake Manifold Tuning Valve Ctrl Circuit High(Bank2)
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
P0670	Glow Plug Module Control Circuit
P0671	Cylinder 1 Glow Plug Circuit
P0672	Cylinder 2 Glow Plug Circuit
P0673	Cylinder 3 Glow Plug Circuit
P0674	Cylinder 4 Glow Plug Circuit
P0675	Cylinder 5 Glow Plug Circuit
P0676	Cylinder 6 Glow Plug Circuit
P0677	Cylinder 7 Glow Plug Circuit
P0678	Cylinder 8 Glow Plug Circuit
P0679	Cylinder 9 Glow Plug Circuit
P0680	Cylinder 10 Glow Plug Circuit
P0681	Cylinder 11 Glow Plug Circuit
P0682	Cylinder 12 Glow Plug Circuit

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
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
P0700	Transmission Control System (MIL Request)
P0701	Transmission Control System Range/Performance
P0702	Transmission Control System Electrical
P0703	Torque Converter/Brake Switch B Circuit
P0704	Clutch Switch In put Circuit Malfunction
P0705	Transmission Range Sensor Circuit Malfunction(PRNDL)
P0706	Transmission Range Sensor Circuit Range/Performance
P0707	Transmission Range Sensor Circuit Low Input
P0708	Transmission Range Sensor Circuit High Input
P0709	Transmission Range Sensor Circuit intermittent
P0710	Transmission Fluid Temperature Sensor Circuit
P0711	Transmission Fluid Temperature Sensor Range/Performance
P0712	Transmission Fluid Temperature Sensor Circuit Low Input
P0713	Transmission Fluid Temp Sensor Circuit High Input
P0714	Transmission Fluid Temp Sensor Circuit Intermittent
P0715	Input/Turbine Speed Sensor Circuit
P0716	input/Turbine Speed Sensor Circuit Range/Performance
P0717	Input/Turbine Speed Sensor Circuit No Signal
P0718	Input/Turbine Speed Sensor Circuit Intermittent
P0719	Torque Converter/Brake Switch B Circuit Low
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	Torque Converter/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
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 or 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 or 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 or 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 or Stuck Off
P075C	Shift Solenoid G Stuck On
P075D	Shift Solenoid G Electrical
P075E	Shift Solenoid G Intermittent
P075F	ISO/SAE reserved
P0760	Shift Solenoid [C]
P0761	Shift Solenoid [C] Performance or Stuck Off
P0762	Shift Solenoid [C] Stuck On
P0763	Shift Solenoid [C] Electrical
P0764	Shift Solenoid [C] Intermittent
P0765	Shift Solenoid [C]
P0766	Shift Solenoid [D] Performance or Stuck Off
P0767	Shift Solenoid [D] Stuck On
P0768	Shift Solenoid [D] Electrical
P0769	Shift Solenoid [D] Intermittent
P076AS	Shift Solenoid H
P076BS	Shift Solenoid H Performance or Stuck Off
P076CS	Shift Solenoid H Stuck On
P076DS	Shift Solenoid H Electrical
P076ES	Shift Solenoid H Intermittent
P076FI	ISO/SAE reserved
P0770	Shift Solenoid [E]
P0771	Shift Solenoid [E] Performance or 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 or Stuck Off
P0777	Pressure Control Solenoid [B] Stuck On
P0778	Pressure Control Solenoid [B] Electrical
P0779	Pressure Control Solenoid [B] Intermittent
P0780	Shift
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 Circuit
P0792	Intermediate Shaft Speed Sensor Range/Performance
P0793	Intermediate Shaft Speed Sensor Circuit No Signal
P0794	Intermediate Shaft Speed Sensor Circuit Intermittent
P0795	Pressure Control Solenoid [C]
P0796	Pressure Control Solenoid [C] Performance or Stuck off
P0797	Pressure Control Solenoid [C] Stuck On
P0798	Pressure Control Solenoid [C] Electrical
P0799	Pressure Control Solenoid [C] Intermittent
P0800	CODE 0800
P0801	Reverse Inhibit Control Circuit
P0802	CODE 0802

P0803	1-4 Upshift (Skip Shift) Solenoid Control Circuit
P0804	1-4 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
P080E	ISO/SAE reserved
P080F	ISO/SAE reserved
P0810	Clutch Position Control Error
P0811	Excessive Clutch 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
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	ISO/SAE reserved
P0840	Transmission Fluid Pressure Sensor/Switch [A] Circuit
P0841	Transmission Fluid Pres Sensor/Sw A Range/Performance
P0842	Transmission Fluid Pressure Sensor/Switch [A] Low
P0843	Transmission Fluid Pressure Sensor/Switch [A] High
P0844	Transmission Fluid Pres Sensor/Switch A Intermittent
P0845	Transmission Fluid Pressure Sensor/Switch [B] Circuit
P0846	Trans Fluid Pres Sensor/Switch B Range/Performance
P0847	Trans Fluid Pressure Sensor/Switch [B] Circuit Low
P0848	Trans Fluid Pressure Sensor/Switch [B] Circuit High
P0849	Trans Fluid Pres 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
P084F	ISO/SAE reserved
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
P0860	Gear Shift Module Communication Circuit
P0861	Gear Shift Module Communication Circuit Low
P0862	Gear Shift Module 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
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 Input
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 Input
P0A11	DC/DC Converter Enable Circuit/Open
P0A12	DC/DC Converter Enable Circuit Low
P0A13	DC/DC Converter Enable Circuit High
P0A14	Engine Mount Control Circuit/Open
P0A15	Engine Mount Control Circuit Low
P0A16	Engine Mount 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	Battery Power Off Circuit
P0A28	Battery Power Off Circuit Low
P0A29	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 or 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 or 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 or 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 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
P1000	OBD II monitor testing not complete
P1001	KOER Not Able to Complete, KOER Aborted
P1039	Vehicle Speed Signal Missing or Improper
P1051	Brake Switch Signal Missing or Improper
P1100	MAF Sensor Intermittent
P1101	MAF Sensor Out Of Self Test Range
P1102	MAF Sensor In Range But Lower Than Expected
P1103	MAF Sensor In Range But Higher Than Expected
P1104	MAF Ground Malfunction
P1105	Dual Alternator Upper Fault
P1106	Dual Alternator Lower Fault/MAP Sensor Intermittent Vol
P1107	Dual Alternator Lower Malfunction/ MAP Sensor Low Volt
P1108	Dual Alternator Battery Lamp Circuit Malfunction
P1109	IAT - B Sensor Intermittent
P1110	IAT Sensor (D/C) Open/Short
P1111	Intake Air Temperature Sensor Intermittent High Voltage
P1112	Intake Air Temperature Sensor Intermittent Low Voltage
P1113	IAT Sensor Open/Short
P1114	Engine Coolant Temperature Sensor Intermittent Low Volt
P1115	Engine Coolant Temperature Sensor Intermittent High Vol
P1116	Engine Coolant sensor range/ECT Sensor Out Of Range
P1117	Eng Coolant Sensor intermittent/ECT Sensor Intermittent
P1118	Manifold Absolute Temperature Circuit Low Input
P1119	Manifold Absolute Temperature Circuit High Input
P1120	Throttle position sensor out of range
P1121	Throttle Position Sensor Intermittent High Voltage
P1122	Throttle Position Sensor Intermittent Low Voltage
P1123	Throttle Position Sensor Higher Than Expected
P1124	Throttle Position Sensor Out Of Self Test Range
P1125	Throttle position sensor intermittent
P1126	Throttle Position Sensor Circuit Malfunction
P1127	Exhaust Not Warm, Downstream O2 Sensor
P1128	Upstream Heated O2 Sensors Swapped
P1129	Downstream Heated O2 Sensors Swapped
P1130	Lack Of HO2S Switch - Adaptive Fuel At Limit
P1131	Lack Of HO2S Switch - Sensor Indicates Lean
P1132	Lack Of HO2S Switch - Sensor Indicates Rich
P1133	HO2S Insufficient Switching Sensor 1
P1134	HO2S Transition Time Ratio Sensor 1
P1135	Pedal Position Sensor A Circuit Intermittent
P1136	Fan Control Circuit Malfunction
P1137	Lack Of HO2S Switch - Sensor Indicates Lean
P1138	Lack Of HO2S12 Switch - Sensor Indicates Rich
P1139	Water In Fuel Indicator Circuit Malfunction
P1140	Water In Fuel Condition
P1141	Fuel Restriction Indicator Circuit Malfunction
P1142	Fuel Restriction Condition
P1143	Air Assist Control Valve Range/Performance
P1144	Air Assist Control Valve Circuit Malfunction
P1150	Lack Of HO2S21 Switch - Adaptive Fuel At Limit
P1151	Lack Of HO2S21 Switch - Sensor Indicates Lean
P1152	Lack Of HO2S21 Switch - Sensor Indicates Rich
P1153	Bank 2 Fuel Control Shifted Lean
P1154	Bank 2 Fuel Control Shifted Rich
P1155	Alternative Fuel Controller
P1156	Fuel Select Switch Malfunction

P1157	Lack Of HO2S22 Switch - Sensor Indicates Lean
P1158	Lack Of HO2S22 Switch - Sensor Indicates Rich
P1159	Fuel Stepper Motor Malfunction
P1167	Invalid Test,throttle not depressed
P1168	Fuel Rail Sensor In-Range Low Failure
P1169	Fuel Rail Sensor In-Range High Failure
P1170	ESO - Engine Shut Off Solenoid Fault
P1171	Rotor Sensor Fault
P1172	Rotor Control Fault
P1173	Rotor Calibration Fault
P1174	Cam Sensor Fault
P1175	Cam Control Fault
P1176	Cam Calibration Fault
P1177	Synchronization Fault
P1178	(open)
P1179	CODE 1179
P1180	Fuel Delivery System Malfunction - Low
P1181	Fuel Delivery System Malfunction - High
P1182	Fuel Shut Off Solenoid Malfunction
P1183	Engine Oil Temperature Circuit Malfunction
P1184	Engine Oil Temperature Out Of Self Test Range
P1185	FTS High - Fuel Pump Temperature Sensor High
P1186	FTS Low - Fuel Pump Temperature Sensor Low
P1187	Variant Selection
P1188	Calibration Memory Fault
P1189	Pump Speed Signal Fault
P1190	Calibration Resistor Out Of Range
P1191	Key Line Voltage
P1192	Voltage External
P1193	EGR Drive Overcurrent
P1194	ECU A/D Converter
P1195	SCP HBCC Failed To Initialize
P1196	Key Off Voltage High
P1197	Key Off Voltage Low
P1198	Pump Rotor Control Underfueling
P1199	Fuel Level Input Circuit Low
P1200	Injector Control Circuit
P1201	Injector Circuit Open / Shorted - Cylinder #1
P1202	Injector Circuit Open / Shorted - Cylinder #2
P1203	Injector Circuit Open / Shorted - Cylinder #3
P1204	Injector Circuit Open / Shorted - Cylinder #4
P1205	Injector Circuit Open / Shorted - Cylinder #5
P1206	Injector Circuit Open / Shorted - Cylinder #6
P1207	CODE 1207
P1208	CODE 1208
P1209	Injector Control Pressure System Fault
P1210	Injector Control Pressure Above Expected Level
P1211	Injector Control Pressure Sensor Above / Below Desired
P1212	Injector Control Pressure Not Detected During Crank
P1213	Start Injector Circuit Malfunction
P1214	Pedal Position Sensor B Circuit Intermittent
P1215	Pedal Position Sensor C Circuit Low Input
P1216	Pedal Position Sensor C Circuit High Input
P1217	Pedal Position Sensor C Circuit Intermittent
P1218	CID High
P1219	CID Low
P1220	Series Throttle Control System Malfunction
P1221	Traction Control System Malfunction
P1222	Traction Control Output Circuit Malfunction
P1223	Pedal Demand Sensor B Circuit High Input
P1224	Throttle Position Sensor B Out Of Self Test Range
P1225	Needle Lift Sensor Malfunction
P1226	Control Sleeve Sensor Malfunction
P1227	Wastegate Failed Closed (Over Pressure)
P1228	Wastegate Failed Open (Under Pressure)
P1229	Intercooler Pump Driver Fault

P1230	Fuel Pump Low Speed Malfunction
P1231	Fuel Pump Secondary Circuit Low, High Speed
P1232	Fuel Pump Speed Primary Circuit Malfunction
P1233	Fuel Pump Driver Module Off Line
P1234	Fuel Pump Driver Module Off Line
P1235	Fuel Pump Control Out Of Range
P1236	Fuel Pump Control Out Of Range
P1237	Fuel Pump Secondary Circuit Malfunction
P1238	Fuel Pump Secondary Circuit Malfunction
P1239	Speed Fuel Pump Positive Feed Fault
P1240	Sensor Power Supply Malfunction
P1241	Sensor Power Supply Low Input
P1242	Sensor Power Supply High Input
P1243	Second Fuel Pump Faulty or Ground Fault
P1244	Alternator Load Input Failed High
P1245	Alternator Load Input Failed Low
P1246	Alternator Load Input Failed
P1247	Turbo Boost Pressure Low
P1248	Turbo Boost Pressure Not Detected
P1249	Wastegate Control Valve Performance
P1250	PRC Solenoid Circuit Malfunction
P1251	Air Mixture Solenoid Circuit Malfunction
P1252	Pedal Correlation PDS1 and LPDS High
P1253	Pedal Correlation PDS1 and LPDS Low
P1254	Pedal Correlation PDS2 and LPDS High
P1255	Pedal Correlation PDS2 and LPDS Low
P1256	Pedal Correlation PDS1 and HPDS
P1257	Pedal Correlation PDS2 and HPDS
P1258	Pedal Correlation PDS1 and PDS2
P1259	Immobilizer to PCM Signal Error
P1260	THEFT Detected, Vehicle Immobilized
P1261	Cylinder #1 High To Low Side Short
P1262	Cylinder #2 High To Low Side Short
P1263	Cylinder #3 High To Low Side Short
P1264	Cylinder #4 High To Low Side Short
P1265	Cylinder #5 High To Low Side Short
P1266	Cylinder #6 High To Low Side Short
P1267	Cylinder #7 High To Low Side Short
P1268	Cylinder #8 High To Low Side Short
P1269	Immobilizer Code Not Programmed
P1270	Engine RPM Or Speed Limiter Reached
P1271	Cylinder #1 High To Low Side Open
P1272	Cylinder #2 High To Low Side Open
P1273	Cylinder #3 High To Low Side Open
P1274	Cylinder #4 High To Low Side Open
P1275	Cylinder #5 High To Low Side Open
P1276	Cylinder #6 High To Low Side Open
P1277	Cylinder #7 High To Low Side Open
P1278	Cylinder #8 High To Low Side Open
P1279	CODE 1279
P1280	Injection Control Pressure Out Of Range Low
P1281	Injection Control Pressure Out Of Range High
P1282	Excessive Injection Control Pressure
P1283	IPR Circuit Failure
P1284	Aborted KOER - ICP Failure
P1285	Cylinder head over temp sensed
P1286	Fuel Pulse In Range But Lower Than Expected
P1287	Fuel Pulse In Range But Higher Than Expected
P1288	Cylinder Head Temp Sensor Out Of Self Test Range
P1289	Cylinder Head Temp Sensor High Input
P1290	Cylinder Head Temp Sensor Low Input
P1291	Injector High Side Short To GND Or VBATT - Bank 1
P1292	Injector High Side Short To GND Or VBATT - Bank 2
P1293	Injector High Side Open - Bank 1
P1294	Injector High Side Open - Bank 2/Target idle not reached
P1295	Multi-faults - Bank 1 - With Low Side Shorts

P1296	Multi-faults - Bank 2 - With Low Side Shorts
P1297	Injector High Sides Shorted Together
P1298	IDM Failure
P1299	Cylinder Head Overtemperature Protection Active
P1300	Boost Calibration Fault
P1301	Boost Calibration High
P1302	Boost Calibration Low
P1303	EGR Calibration Fault
P1304	EGR Calibration High
P1305	EGR Calibration Low
P1306	Kickdown Relay Pull - In Circuit Fault
P1307	Kickdown Relay Hold Circuit Fault
P1308	A/C Clutch Circuit Fault
P1309	Misfire Monitor AICE Chip Fault
P1310	Ionization Misfire Detection Module Fault
P1311	Ionization Misfire Detection Module Communication Fault
P1313	Misfire Rate Catalyst Damage Fault - Bank 1
P1314	Misfire Rate Catalyst Damage Fault - Bank 2
P1315	Persistent Misfire
P1316	Injector Circuit / IDM Codes Detected
P1317	Injector Circuit / IDM Codes Not Updated
P1336	Crank / Cam Sensor Range / Performance
P1340	Camshaft Position Sensor B Circuit Malfunction
P1341	Camshaft Position Sensor B Range / Performance
P1345	SGC(Cam Position)Sensor Malf /Crank-Cam pos Correlation
P1346	Fuel Level Sensor B Circuit Malfunction
P1347	Fuel Level Sensor B Range / Performance
P1348	Fuel Level Sensor B Circuit Low
P1349	Fuel Level Sensor B Circuit High
P1350	Fuel Level Sensor B Intermittent/Bypass Line Monitor
P1351	IDM Input Circuit Malf /Ignition Coil Ctrl High Voltage
P1352	Ignition Coil A Primary Circuit Malfunction
P1353	Ignition Coil B Primary Circuit Malfunction
P1354	Ignition Coil C Primary Circuit Malfunction
P1355	Ignition Coil D Primary Circuit Malfunction
P1356	Ignition Diagnostic Monitor Indicates Engine Not Turning
P1357	Ignition Diagnostic Monitor Pulsewidth Not Defined
P1358	Ignition Diagnostic Monitor Signal Out Of Self Test Range (no CPU OK)
P1359	Spark Output Circuit
P1360	Ignition Coil A Secondary Circuit Malfunction
P1361	Ignition Control (IC) Circuit Low Voltage
P1362	Ignition Coil C Secondary Circuit Malfunction
P1363	Ignition Coil D Secondary Circuit Malfunction
P1364	Ignition Coil Primary Circuit Failure
P1365	Ignition Coil Secondary Circuit Failure
P1366	Ignition Spare
P1367	Ignition Spare
P1368	Ignition Spare
P1369	Engine Temperature Light Monitor Failure
P1370	Insufficient RMP Increase During Spark Test
P1371	Ignition Coil - Cylinder 1 - Early Activation Fault
P1372	Ignition Coil - Cylinder 2 - Early Activation Fault
P1373	Ignition Coil - Cylinder 3 - Early Activation Fault
P1374	Crank Pos /Ign Coil-Cylinder 4 - Early Activation Fault
P1375	Ignition Coil - Cylinder 5 - Early Activation Fault
P1376	Ignition Coil - Cylinder 6 - Early Activation Fault
P1380	Misfire Detected - Rough Road Data Not Available
P1381	Variable Cam Timing Overadvanced(#1)/Misfire Detected
P1382	Variable Cam Timing Solenoid #1 Circuit Malfunction
P1383	Variable Cam Timing Overretarded (Bank #1)
P1384	WT Solenoid A Malfunction
P1385	Variable Cam Timing Solenoid B Malfunction
P1386	Variable Cam Timing Overadvanced (Bank #2)
P1387	Variable Cam Timing Solenoid #2 Circuit Malfunction
P1388	Variable Cam Timing Overretarded (Bank #2)
P1389	Glow Plug Circuit High Side Low Input

P1390	Octane Adjust Pin Out Of Self Test Range
P1391	Glow Plug Circuit Low Input (Bank #1)
P1392	Glow Plug Circuit High Input (Bank #1)
P1393	Glow Plug Circuit Low Input (Bank #2)
P1394	Glow Plug Circuit High Input (Bank #2)
P1395	Glow Plug Monitor Fault (Bank #1)
P1396	Glow Plug Monitor Fault (Bank #2)
P1397	System Voltage Out Of Self Test Range
P1398	WT Solenoid B Circuit High Input
P1399	Glow Plug Circuit High Side, High Input
P1400	DPFE Circuit Low Input
P1401	DPFE Circuit High Input
P1402	EGR Metering Orifice Restricted
P1403	DPFE Sensor Hoses Reversed
P1404	IAT-B Circuit Malfunction/EGR Closed Position Perform
P1405	DPFE Sensor Upstream Hose Off Or Plugged
P1406	Exhaust Gas Recirculation Position Sensor Performance
P1407	EGR No Flow Detected
P1408	EGR Flow Out Of Self Test Range
P1409	EVR Control Circuit Malfunction
P1410	CODE 1410
P1411	SAI System Incorrect Downstream Flow Detected
P1412	CODE 1412
P1413	SAI System Monitor Circuit Low Input
P1414	SAI System Monitor Circuit High Input
P1415	Air Pump Circuit Malfunction/ (AIR) System Bank 1
P1416	Port Air Circuit Malfunction/ (AIR) System Bank 2
P1417	Port Air Relief Circuit Malfunction
P1418	Split Air #1 Circuit Malfunction
P1419	Split Air #2 Circuit Malfunction
P1420	Catalyst Temperature Sensor Failure
P1421	Catalyst Damage
P1422	EGI Temperature Sensor Failure
P1423	EGI Functionality Test Failed
P1424	EGI Glow Plug Primary Failure
P1425	EGI Glow Plug Secondary Failure
P1426	EGI Mini - MAF Failed Out Of Range
P1427	EGI Mini - MAF Failed Short Circuit
P1428	EGI Mini - MAF Failed Open Circuit
P1429	Electric Air Pump Primary Failure
P1430	Electric Air Pump Secondary Failure
P1433	AC Refrigerant Temperature Circuit Low
P1434	AC Refrigerant Temperature Circuit High
P1435	AC Refrigerant Temperature Circuit Range/Performance
P1436	AC Evaporator Air Temperature Circuit Low
P1437	AC Evaporator Air Temperature Circuit High
P1438	AC Evaporator Air Temp Circuit Range/Performance
P1439	Floor Temperature Switch Circuit Malfunction
P1440	Purge Valve Stuck Open
P1441	EVAP System Flow During Non-Purge Chevrolet Only
P1442	Evaporative Emission Control System Leak Detected
P1443	Evaporative Emission Control System Control Valve
P1444	Purge Flow Sensor Circuit Low Input
P1445	Purge Flow Sensor Circuit High Input
P1446	Evaporative Vac Solenoid Circuit Malfunction
P1447	ELC System Closure Valve Flow Fault
P1448	ELC System 2 Fault
P1449	Evaporative Check Solenoid Circuit Malfunction
P1450	Unable To Bleed Up Fuel Tank Vacuum
P1451	Evap Emission Control Sys Vent Control Valve Circuit
P1452	Unable To Bleed - Up Vacuum in Tank
P1453	Fuel Tank Pressure Relief Valve Malfunction
P1454	Evaporative System Vacuum Test Malfunction
P1455	Evap Emission Ctrl Sys Leak Detected(Gross Leak/No Flow)
P1456	Fuel Tank Temperature Sensor Circuit Malfunction
P1457	Unable To Pull Vacuum In Tank

P1458	CODE 1458
P1459	CODE 1459
P1460	Wide open throttle A/C cutoff relay circuit
P1461	A/C pressure sensor circuit voltage low
P1462	A/C pressure sensor circuit voltage high
P1463	A/C Pressure Sensor Insufficient Pressure Change
P1464	A/C Demand Out of Self Test Range
P1465	A/C Relay Circuit Malfunction
P1466	A/C Refrigerant Temperature Sensor/Circuit Malfunction
P1467	A/C Compressor Temperature Sensor Malfunction
P1468	SSPOD Open Circuit or Closed Circuit Fault
P1469	Low A/C Cycling Period
P1470	A/C Cycling Period Too Short
P1471	Electrodrive Fan 1 Operational Failure (Driver Side)
P1472	Electrodrive Fan 2 Operational Failure (Passenger Side)
P1473	Fan Secondary High With Fan(s) Off
P1474	Low Fan Control Primary Circuit Malfunction
P1475	Fan Relay (Low) Circuit Malfunction
P1476	Fan Relay (High) Circuit Malfunction
P1477	Additional Fan Relay Circuit Malfunction
P1478	Cooling Fan Driver Fault
P1479	High Fan Control Primary Circuit Malfunction
P1480	Fan Secondary Low with Low Fan On
P1481	Fan Secondary Low With High Fan On
P1482	SCP
P1483	Power To Fan Circuit Overcurrent
P1484	Open Power To Ground VCRM
P1485	EGRV Circuit Malfunction
P1486	EGRA Circuit Malfunction
P1487	EGRCHK Solenoid Circuit Malfunction
P1490	Secondary Air Relief Solenoid Circuit Malfunction
P1491	Secondary Switch Solenoid Circuit Malfunction
P1492	APLSOL Solenoid Circuit Malfunction
P1493	RCNT Solenoid Circuit Malfunction
P1494	SPCUT Solenoid Circuit Malfunction
P1495	TCSPL Solenoid Circuit Malfunction
P1500	Vehicle Speed Sensor Intermittent
P1501	Vehicle Speed Sensor Out Of Self Test Range
P1502	Vehicle Speed Sensor Intermittent Malfunction
P1503	Auxillary Speed Sensor Fault
P1504	Idle Air Control Circuit Malfunction
P1505	Idle Air Control System At Adaptive Clip
P1506	Idle Air Control Overspeed Error
P1507	Idle Air Control Underspeed Error
P1508	Idle Control System Circuit Open
P1509	Idle Control System Circuit Shorted
P1510	Idle Signal Circuit Malfunction
P1511	Idle Switch(Electric Control Throttle) Circuit
P1512	Intake Manifold Runner Control (Bank 1) Stuck Closed
P1513	Intake Manifold Runner Control (Bank 2) Stuck Closed
P1514	High Load Neutral/Drive Fault
P1515	Electric Current Circuit Malfunction
P1516	IMRC Input Error (Bank 1)
P1517	IMRC Input Error (Bank 2)
P1518	Intake Manifold Runner Control (Stuck Open)
P1519	Intake Manifold Runner Control (Stuck Closed)
P1520	Intake Manifold Runner Control Circuit Malfunction
P1521	Variable Intake Solenoid #1 Circuit Malfunction
P1522	Variable Intake Solenoid #2 Circuit Malfunction
P1523	IVC Solenoid Circuit Malfunction
P1524	Variable Intake Solenoid System
P1525	Air Bypass Valve System
P1526	Air Bypass System
P1527	Accelerate Warmup Solenoid Circuit Malfunction
P1528	Subsidiary Throttle Valve Solenoid Circuit Malfunction
P1529	SCAIR Solenoid Circuit Malfunction

P1530	A/C Clutch Circuit Malfunction
P1531	Invalid Test - Accelerator Pedal Movement
P1532	IMCC Circuit Malfunction, Bank B
P1533	AAI Circuit Malfunction
P1534	Inertia Switch Activated
P1535	Blower Fan Speed Circuit Range/Performance
P1536	Parking Brake Switch Circuit Failure
P1537	Intake Manifold Runner Control (Bank 1) Stuck Open
P1538	Intake Manifold Runner Control (Bank 2) Stuck Open
P1539	Power To A/C Clutch Circuit Overcurrent
P1540	Air Bypass Valve Circuit Malfunction
P1549	IMCC Circuit Malfunction, Bank B
P1550	PSPS Out Of Self Test Range
P1565	Speed Control Command Switch Out of Range High
P1566	Speed Control Command Switch Out of Range Low
P1567	Speed Control Output Circuit Continuity
P1568	Speed Control Unable to Hold Speed
P1569	CODE 1569
P1570	CODE 1570
P1571	Brake Switch Malfunction
P1572	Brake Pedal Switch Circuit Malfunction
P1573	Throttle Position Not Available
P1574	Throttle Position Sensor Disagreement btwn Sensors
P1575	Pedal Position Out of Self Test Range
P1576	Pedal Position Not Available
P1577	Pedal Position Sensor Disagreement btwn Sensors
P1578	ETC Power Less Than Demand
P1579	ETC In Power Limiting Mode
P1580	Electronic Throttle Monitor PCM Override
P1581	Electronic Throttle Monitor Malfunction
P1582	Electronic Throttle Monitor Data Available
P1583	Electronic Throttle Monitor Cruise Disable
P1584	TCU Detected IPE Circuit Malfunction
P1585	Throttle Control Unit Malfunction
P1586	Throttle Control Unit Throttle Position Malfunction
P1587	Throttle Control Unit Modulated Command Malfunction
P1588	Throttle Control Unit Detected Loss of Return Spring
P1589	TCU Unable To Control Desired Throttle Angle
P1600	Loss of KAM Power; Open Circuit
P1601	ECM/TCM Serial Communication Error
P1602	Immobilizer/ECM Communication Error
P1603	EEPROM Malfunction
P1604	Code Word Unregistered
P1605	Keep Alive Memory Test Failure
P1606	ECM Control Relay O/P Circuit Malfunction
P1607	MIL O/P Circuit Malfunction
P1608	Internal ECM Malfunction
P1609	Diagnostic Lamp Driver Fault
P1610	SBDS Interactive Codes
P1611	SBDS Interactive Codes
P1612	SBDS Interactive Codes
P1613	SBDS Interactive Codes
P1614	SBDS Interactive Codes
P1615	SBDS Interactive Codes
P1616	SBDS Interactive Codes
P1617	SBDS Interactive Codes
P1618	SBDS Interactive Codes
P1619	SBDS Interactive Codes
P1620	SBDS Interactive Codes
P1621	Ctrl Module L Term Memory Perf /Immobil Code Not Match
P1622	Immobilizer ID Does Not Match
P1623	Immobilizer Code Word/ID Number Write Failure
P1624	Anti Theft System
P1625	B+ Supply To VCRM Fan Circuit Malfunction
P1626	Theft Deterrent Fuel Enable Signal/B+ Supply(VCRM/AC)
P1627	Module Supply Voltage Out Of Range

P1628	Module Ignition Supply Input Malfunction
P1629	Internal Voltage Regulator Malfunction
P1630	Internal Vref Malfunction
P1631	Theft Deterrent Start Enable Signal incorr /Main Relay
P1632	Smart Alternator Faults Sensor/Circuit Malfunction
P1633	KAM Voltage Too Low
P1634	Data Output Link Circuit Failure
P1635	Tire / Axle Ratio Out of Acceptable Range
P1636	Inductive Signature Chip Communication Error
P1637	Can Link ECM/ABSCM Circuit / Network Malfunction
P1638	Can Link ECM/INSTM Circuit / Network Malfunction
P1639	Vehicle ID Block Corrupted or Not Programmed
P1640	Powertrain DTCs Available in Another Module
P1641	Fuel Pump Primary Circuit Failure
P1642	Fuel Pump Monitor Circuit High Input
P1643	Fuel Pump Monitor Circuit Low Input
P1644	Fuel Pump Speed Control Circuit Malfunction
P1645	Fuel Pump Resistor Switch Circuit Malfunction
P1650	PSP Switch Out of Self Test Range
P1651	PSP Switch Input Malfunction
P1652	IAC Monitor Disabled by PSP Switch Failed On
P1653	Power Steering Output Circuit Malfunction
P1654	Recirculation Override Circuit Malfunction
P1655	Starter Disable Circuit Malfunction
P1656	CAN Link PCM/PCM Circuit Network
P1657	CAN Link Chip Malfunction
P1660	Output Circuit Check Signal High
P1661	Output Circuit Check Signal Low
P1662	IDM_EN Circuit Failure
P1663	Fuel Demand Command Signal Circuit Malfunction
P1667	CI Circuit Malfunction
P1668	PCM - IDM Communications Error
P1670	Electronic Feedback Signal Not Detected
P1680	Metering Oil Pump Malfunction
P1681	Metering Oil Pump Malfunction
P1682	Metering Oil Pump Malfunction
P1683	Metering Oil Pump Temp Sensor Circuit Malfunction
P1684	Metering Oil Pump Position Sensor Circuit Malfunction
P1685	Metering Oil Pump Stepping Motor Circuit Malfunction
P1686	Metering Oil Pump Stepping Motor Circuit Malfunction
P1687	Metering Oil Pump Stepping Motor Circuit Malfunction
P1688	Metering Oil Pump Stepping Motor Circuit Malfunction
P1689	Oil Pressure Control Solenoid Circuit Malfunction
P1690	Wastegate Solenoid Circuit Malfunction
P1691	Turbo Pressure Control Solenoid Circuit Malfunction
P1692	Turbo Control Solenoid Circuit Malfunction
P1693	Turbo Charge Control Circuit Malfunction
P1694	Turbo Charge Relief Circuit Malfunction
P1700	Transmission Indeterminate Failure (Failed to Neutral)
P1701	Reverse Engagement Error
P1702	TRS Circuit Intermittent Malfunction
P1703	Brake Switch Out Of Self Test Range
P1704	Digital TRS Failed to Transition States in KOEO / KOER
P1705	Not in P or N During KOEO / KOER
P1706	High Vehicle Speed Observed in Park
P1707	Transfer Case Neutral Indicator Hard Fault Present
P1708	Clutch Switch Circuit Malfunction
P1709	PNP Switch Out Of Self Test Range
P1711	TFT Sensor Out Of Self Test Range
P1712	Trans Torque Reduction Request Signal Malfunction
P1713	TFT Sensor In Range Failure Low Value
P1714	SSA Inductive Signature Malfunction
P1715	SSB Inductive Signature Malfunction
P1716	SSC Inductive Signature Malfunction
P1717	SSD Inductive Signature Malfunction
P1718	TFT Sensor In Range Failure High

P1720	Vehicle Speed (Meter) Circuit Malfunction
P1721	Gear 1 Incorrect Ratio
P1722	Gear 2 Incorrect Ratio
P1723	Gear 3 incorrect Ratio
P1724	Gear 4 Incorrect Ratio
P1725	Insufficient Engine Speed Increase During Self Test
P1726	Insufficient Engine Speed Decrease During Self Test
P1727	Coast Clutch Solenoid Inductive Signature Malfunction
P1728	Transmission Slip Error
P1729	4x4 Low Switch Error
P1730	Gear Control Malfunction 2,3,5
P1731	1-2 Shift Malfunction
P1732	2-3 Shift Malfunction
P1733	3-4 Shift Malfunction
P1734	Gear Control Malfunction
P1735	First Gear Switch Circuit Malfunction
P1736	Second Gear Switch Circuit Malfunction
P1737	Lockup Solenoid System
P1738	Shift Time Error
P1739	Slip Solenoid System
P1740	Torque Converter Clutch Inductive Signature Malfunction
P1741	Torque Converter Clutch Control Error
P1742	Torque Converter Clutch Solenoid Failed On
P1743	Torque Converter Clutch Solenoid Failed On
P1744	Torque Converter Clutch System Performance
P1745	Line Pressure Solenoid System
P1746	Pressure Control Solenoid A Open Circuit
P1747	Pressure Control Solenoid A Short Circuit
P1748	EPC Malfunction
P1749	Pressure Control Solenoid Failed Low
P1751	Shift Solenoid A Performance
P1754	Coast Clutch Solenoid Circuit Malfunction
P1755	Intermediate Speed Sensor (ISS) Malfunction
P1756	Shift Solenoid B Performance
P1760	Pressure Control Solenoid A Short Circuit
P1761	Shift Solenoid C Performance
P1762	Overdrive Band Failed Off
P1765	Timing Solenoid Circuit Malfunction
P1766	Shift Solenoid D Performance
P1767	Torque Converter Clutch Circuit Malfunction
P1768	Performance / Normal / Winter Mode Input Malfunction
P1769	AG4 Transmission Torque Modulation Fault
P1770	Clutch Solenoid Circuit Malfunction
P1775	Transmission System MIL Fault
P1776	Ignition Retard Request Duration Fault
P1777	Ignition Retard Request Circuit Fault
P1778	Transmission Reverse I/P Circuit Malfunction
P1779	TCIL Circuit Malfunction
P1780	Trans Control Switch (O/D Cancel)Out of Self Test Range
P1781	4X4 Switch Out of Self Test Range
P1782	P/ES Circuit Out Of Self Test Range
P1783	Transmission Overtemperature Condition
P1784	Transmission Mechanical Failure - First And Reverse
P1785	Transmission Mechanical Failure - First And Second
P1786	3-2 Downshift Error
P1787	2-1 Downshift Error
P1788	Pressure Control Solenoid B Open Circuit
P1789	Pressure Control Solenoid B Short Circuit
P1790	TP (Mechanical) Circuit Malfunction
P1791	TP (Electric) Circuit Malfunction
P1792	Barometer Pressure Circuit Malfunction
P1793	Intake Air Volume Circuit Malfunction
P1794	Battery Voltage Circuit Malfunction
P1795	Idle Switch Circuit Malfunction
P1796	Kick Down Switch Circuit Malfunction
P1797	Neutral Switch Circuit Malfunction

P1798	Coolant Temperature Circuit Malfunction
P1799	Hold Switch Circuit Malfunction
P1800	Trans Clutch Interlock Safety Switch Circuit Failure
P1801	Trans Clutch Interlock Safety Switch Open Circuit
P1802	Trans Clutch Interlock Safety Switch Short To Battery
P1803	Trans Clutch Interlock Safety Switch Short To Ground
P1804	Trans 4-Wheel Drive High Indicator Circuit Failure
P1805	Transmission 4-Wheel Drive High Indicator Open Circuit
P1806	Trans 4-Wheel Drive High Indicator Short To Battery
P1807	Trans 4-Wheel Drive High Indicator Short To Ground
P1808	Trans 4-Wheel Drive Low Indicator Circuit Failure
P1809	Transmission 4-Wheel Drive Low Indicator Open Circuit
P1810	TFP Valve Pos SW CC/Trans 4WD Low Indicator Short To B+
P1811	Trans 4-Wheel Drive Low Indicator Short To Ground
P1812	Transmission 4-Wheel Drive Mode Select Circuit Failure
P1813	Transmission 4-Wheel Drive Mode Select Open Circuit
P1814	Trans 4-Wheel Drive Mode Select Short To Battery
P1815	Transmission 4-Wheel Drive Mode Select Short To Ground
P1816	Transmission Neutral Safety Switch Circuit Failure
P1817	Transmission Neutral Safety Switch Open Circuit
P1818	Transmission Neutral Safety Switch Short To Battery
P1819	Transmission Neutral Safety Switch Short To Ground
P1820	Trans Transfer Case Clockwise Shift Relay Coil Circuit
P1821	Trans Transfer Case Clockwise Shift Relay Coil Open CC
P1822	Trans Transfer Case Clockwise Shift Relay Coil Short B+
P1823	Trans Transfer Case Clockwise Shift Relay Short To GND
P1824	Transmission 4-Wheel Drive Clutch Relay Circuit Failure
P1825	Transmission 4-Wheel Drive Clutch Relay Open Circuit
P1826	Trans 4-Wheel Drive Low Clutch Relay Circuit To Battery
P1827	Trans 4-Wheel Drive Low Clutch Relay Circuit To Ground
P1828	Trans Transfer Case Counter Clockwise Shift Relay Circ
P1829	Trans Transfer Case Counter Clockwise Shift Relay Open
P1830	Trans Transfer Case CNT Clockwise Shift Relay Short B+
P1831	Trans Transfer Case CNT Clockwise Shift Relay Short GND
P1832	Trans Transfer Case Diff Lock-Up Solenoid Circuit Fail
P1833	Trans Transfer Case Diff Lock-Up Solenoid Open Circuit
P1834	Trans Transfer Case Diff Lock-Up Solenoid Short To B+
P1835	Trans Transfer Case Diff Lock-Up Solenoid Short To GND
P1836	Trans Transfer Case Front Shaft Speed Sensor Circuit
P1837	Trans Transfer Case Rear Shaft Speed Sensor Circuit
P1838	Transmission Transfer Case Shift Motor Circuit Failure
P1839	Transmission Transfer Case Shift Motor Open Circuit
P1840	Trans Transfer Case Shift Motor Short Circuit To B+
P1841	Trans Transfer Case Shift Motor Short Circuit To Ground
P1842	Trans Transfer Case Diff Lock-Up Feedback SW Circuit
P1843	Trans Transfer Case Diff Lock-Up Feedback Switch Open
P1844	Trans Transfer Case Diff Lock-Up Feedback SW Short B+
P1845	Trans Transfer Case Diff Lock-Up Feedback SW Short GND
P1846	Trans Transfer Case Contact Plate A Circuit Failure
P1847	Trans Transfer Case Contact Plate A Open Circuit
P1848	Trans Transfer Case Contact Plate A Short Circuit To B+
P1849	Trans Transfer Case Contact Plate A Short To Ground
P1850	Trans Transfer Case Contact Plate B Circuit Failure
P1851	Trans Transfer Case Contact Plate B Open Circuit
P1852	Trans Transfer Case Contact Plate B Short To Battery
P1853	Trans Transfer Case Contact Plate B Short To Ground
P1854	Trans Transfer Case Contact Plate C Circuit Failure
P1855	Trans Transfer Case Contact Plate C Open Circuit
P1856	Trans Transfer Case Contact Plate C Short To Battery
P1857	Trans Transfer Case Contact Plate C Short To Ground
P1858	Trans Transfer Case Contact Plate D Circuit Failure
P1859	Trans Transfer Case Contact Plate D Open Circuit
P1860	TCC PWM Solenoid Elect /Transfer Case Contact D Short +
P1861	Trans Transfer Case Contact Plate D Short To Ground
P1862	Trans Transfer Case Contact Plate Power Circuit Failure
P1863	Trans Transfer Case Contact Plate Power Open Circuit

P1864	Trans Transfer Case Contact Plate Power Short To Batt
P1865	Trans Transfer Case Contact Plate Power Short To Ground
P1866	Trans Transfer Case System Concern - Servicing Required
P1867	Trans Transfer Case Contact Plate General Circuit Fail
P1868	Trans Automatic 4-WD Indicator (Lamp) Circuit Failure
P1869	Trans Automatic 4-WD Indicator (Lamp) Short To Battery
P1870	Trans Component Slip/Mechanical Transfer Case 4x4 SW CC
P1871	Trans Mechanical Transfer Case 4x4 SW Short To Battery
P1872	Trans Mechanical 4-Wheel Drive Axle Lock Lamp Circuit
P1873	Trans Mechanical 4-WD Axle Lock Lamp Short To Battery
P1874	Trans Automatic Hall Effect Sensor Power Circuit Fail
P1875	Trans Auto Hall Effect S Power Short B+/4WD Low SW CC
P1876	Trans Transfer Case 2-Wheel Drive Solenoid Circuit Fail
P1877	Trans Transfer Case 2-Wheel Drive Solenoid Short To B+
P1878	Trans Transfer Case Disengaged Solenoid Circuit Fail
P1879	Trans Transfer Case Disengaged Solenoid Open Circuit
P1880	Trans Transfer Case Disengaged Solenoid Short to Batt
P1881	Engine Coolant Level Switch Circuit Failure, GEM
P1882	Engine Coolant Level Switch Circuit Short to Ground
P1883	Engine Coolant Level Switch Circuit Failure, GEM
P1884	Engine Coolant Level Lamp Circuit Short To Ground
P1890	Transmission 4WD Mode Select Return Input Circuit Fail
P1891	Trans Transfer Case Contact Plate GND Return Open CC
P1900	OSS Circuit Intermittent Malfunction
P1901	TSS Circuit Intermittent Malfunction
P1902	Pressure Control Solenoid B Intermittent Short
P1903	Pressure Control Solenoid C Short Circuit
P1904	Pressure Control Solenoid C Open Circuit
P1905	Pressure Control Solenoid C Intermittent Short
P1906	Kickdown Pull Relay Open or Short Circuit to Ground
P1907	Kickdown Hold Relay Open or Short Circuit to Ground
P1908	Trans Pres Circuit Solenoid Open or Short to Ground
P1909	Trans Temp Sensor Circuit Open or Shorted to Pwr/Gnd
P1910	VFS A Pressure Output Failed Low
P1911	VFS B Pressure Output Failed Low
P1912	VFS C Pressure Output Failed Low
P1913	Pressure Switch A Circuit Malfunction
P1914	Manually Shifted Automatic (MSA) Sw Circuit Malf
P1915	Reverse Switch Circuit Malfunction
P1916	High Clutch Drum Speed Sensor Malfunction
P1917	High Clutch Drum Speed Sensor Intermittent
P1918	Transmission Range Display Circuit Malfunction
P2000	NOx Trap Efficiency Below Threshold
P2001	NOx Trap Efficiency Below Threshold
P2002	Particulate Trap Efficiency Below Threshold
P2003	Particulate Trap Efficiency Below Threshold
P2004	Intake Manifold Runner Control Stuck Open
P2005	Intake Manifold Runner Control Stuck Open
P2006	Intake Manifold Runner Control Stuck Closed
P2007	Intake Manifold Runner Control Stuck Closed
P2008	Intake Manifold Runner Control Circuit/Open
P2009	Intake Manifold Runner Control Circuit Low
P2010	Intake Manifold Runner Control Circuit High
P2011	Intake Manifold Runner Control Circuit/Open
P2012	Intake Manifold Runner Control Circuit Low
P2013	Intake Manifold Runner Control Circuit High
P2014	Intake Manifold Runner Position Sensor/Switch Circuit
P2015	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance
P2016	Intake Manifold Runner Position Sensor/Switch Circuit Low
P2017	Intake Manifold Runner Position Sensor/Switch Circuit High
P2018	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent
P2019	Intake Manifold Runner Position Sensor/Switch Circuit
P2020	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance
P2021	Intake Manifold Runner Position Sensor/Switch Circuit Low
P2022	Intake Manifold Runner Position Sensor/Switch Circuit High
P2023	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent

P2024	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit
P2025	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Performance
P2026	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Low Voltage
P2027	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit High Voltage
P2028	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Intermittent
P2029	Fuel Fired Heater Disabled
P2030	Fuel Fired Heater Performance
P2031	Exhaust Gas Temperature Sensor Circuit
P2032	Exhaust Gas Temperature Sensor Circuit Low
P2033	Exhaust Gas Temperature Sensor Circuit High
P2034	Exhaust Gas Temperature Sensor Circuit
P2035	Exhaust Gas Temperature Sensor Circuit Low
P2036	Exhaust Gas Temperature Sensor Circuit High
P2037	Reductant Injection Air Pressure Sensor Circuit
P2038	Reductant Injection Air Pressure Sensor Circuit Range/Performance
P2039	Reductant Injection Air Pressure Sensor Circuit Low Input
P203A	Reductant Level Sensor Circuit
P203B	Reductant Level Sensor Circuit Range/Performance
P203C	Reductant Level Sensor Circuit Low
P203D	Reductant Level Sensor Circuit High
P203E	Reductant Level Sensor Circuit Intermittent/Erratic
P203F	Reductant Level Low
P2040	Reductant Injection Air Pressure Sensor Circuit High Input
P2041	Reductant Injection Air Pressure Sensor Circuit Intermittent
P2042	Reductant Temperature Sensor Circuit
P2043	Reductant Temperature Sensor Circuit Range/Performance
P2044	Reductant Temperature Sensor Circuit Low Input
P2045	Reductant Temperature Sensor Circuit High Input
P2046	Reductant Temperature Sensor Circuit Intermittent
P2047	Reductant Injector Circuit/Open
P2048	Reductant Injector Circuit Low
P2049	Reductant Injector Circuit High
P204A	Reductant Pressure Sensor Circuit
P204B	Reductant Pressure Sensor Circuit Range/Performance
P204C	Reductant Pressure Sensor Circuit Low
P204D	Reductant Pressure Sensor Circuit High
P204E	Reductant Pressure Sensor Circuit Intermittent/Erratic
P204F	ISO/SAE reserved
P2050	Reductant Injector Circuit/Open
P2051	Reductant Injector Circuit Low
P2052	Reductant Injector Circuit High
P2053	Reductant Injector Circuit/Open
P2054	Reductant Injector Circuit Low
P2055	Reductant Injector Circuit High
P2056	Reductant Injector Circuit/Open
P2057	Reductant Injector Circuit Low
P2058	Reductant Injector Circuit High
P2059	Reductant Injection Air Pump Control Circuit/Open
P205A	Reductant Tank Temperature Sensor Circuit
P205B	Reductant Tank Temperature Sensor Circuit Range/Performance
P205C	Reductant Tank Temperature Sensor Circuit Low
P205D	Reductant Tank Temperature Sensor Circuit High
P205E	Reductant Tank Temperature Sensor Circuit Intermittent/Erratic
P205F	ISO/SAE reserved
P2060	Reductant Injection Air Pump Control Circuit Low
P2061	Reductant Injection Air Pump Control Circuit High
P2062	Reductant Supply Control Circuit/Open
P2063	Reductant Supply Control Circuit Low
P2064	Reductant Supply Control Circuit High
P2065	Fuel Level Sensor "B" Circuit
P2066	Fuel Level Sensor "B" Performance
P2067	Fuel Level Sensor "B" Circuit Low
P2068	Fuel Level Sensor "B" Circuit High
P2069	Fuel Level Sensor "B" Circuit Intermittent
P206A	ISO/SAE reserved
P206B	ISO/SAE reserved

P206C	ISO/SAE reserved
P206D	ISO/SAE reserved
P206E	Intake Manifold Tuning (IMT) Valve Stuck Open Bank 2
P206F	Intake Manifold Tuning (IMT) Valve Stuck Closed Bank 2
P2070	Intake Manifold Tuning (IMT) Valve Stuck Open
P2071	Intake Manifold Tuning (IMT) Valve Stuck Closed
P2072	Throttle Actuator Control System - Ice Blockage
P2073	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at Idle
P2074	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at HigherLoad
P2075	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
P2076	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Range/Performance
P2077	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low
P2078	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High
P2079	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent
P207A	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Bank 2
P207B	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Range/Performance Bank 2
P207C	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low Bank 2
P207D	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High Bank 2
P207E	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent Bank 2
P207F	ISO/SAE reserved
P2080	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2081	Exhaust Gas Temperature Sensor Circuit Intermittent
P2082	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2083	Exhaust Gas Temperature Sensor Circuit Intermittent
P2084	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2085	Exhaust Gas Temperature Sensor Circuit Intermittent
P2086	Exhaust Gas Temperature Sensor Circuit Range/Performance
P2087	Exhaust Gas Temperature Sensor Circuit Intermittent
P2088	"A" Camshaft Position Actuator Control Circuit Low
P2089	"A" Camshaft Position Actuator Control Circuit High
P2090	"B" Camshaft Position Actuator Control Circuit Low
P2091	"B" Camshaft Position Actuator Control Circuit High
P2092	"A" Camshaft Position Actuator Control Circuit Low
P2093	"A" Camshaft Position Actuator Control Circuit High
P2094	"B" Camshaft Position Actuator Control Circuit Low
P2095	"B" Camshaft Position Actuator Control Circuit High
P2096	Post Catalyst Fuel Trim System Too Lean
P2097	Post Catalyst Fuel Trim System Too Rich
P2098	Post Catalyst Fuel Trim System Too Lean
P2099	Post Catalyst Fuel Trim System Too Rich
P2100	Throttle Actuator Control Motor Circuit/Open
P2101	Throttle Actuator Control Motor Circuit Range/Performance
P2102	Throttle Actuator Control Motor Circuit Low
P2103	Throttle Actuator Control Motor Circuit High
P2104	Throttle Actuator Control System - Forced Idle
P2105	Throttle Actuator Control System - Forced Engine Shutdown
P2106	Throttle Actuator Control System - Forced Limited Power
P2107	Throttle Actuator Control Module Processor
P2108	Throttle Actuator Control Module Performance
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance
P2110	Throttle Actuator Control System - Forced Limited RPM
P2111	Throttle Actuator Control System - Stuck Open
P2112	Throttle Actuator Control System - Stuck Closed
P2113	Throttle/Pedal Position Sensor "B" Minimum Stop Performance
P2114	Throttle/Pedal Position Sensor "C" Minimum Stop Performance
P2115	Throttle/Pedal Position Sensor "D" Minimum Stop Performance
P2116	Throttle/Pedal Position Sensor "E" Minimum Stop Performance
P2117	Throttle/Pedal Position Sensor "F" Minimum Stop Performance
P2118	Throttle Actuator Control Motor Current Range/Performance
P2119	Throttle Actuator Control Throttle Body Range/Performance
P2120	Throttle/Pedal Position Sensor/Switch "D" Circuit
P2121	Throttle/Pedal Position Sensor/Switch "D" Circuit Range/Performance
P2122	Throttle/Pedal Position Sensor/Switch "D" Circuit Low Input
P2123	Throttle/Pedal Position Sensor/Switch "D" Circuit High Input
P2124	Throttle/Pedal Position Sensor/Switch "D" Circuit Intermittent
P2125	Throttle/Pedal Position Sensor/Switch "E" Circuit

P2126	Throttle/Pedal Position Sensor/Switch "E" Circuit Range/Performance
P2127	Throttle/Pedal Position Sensor/Switch "E" Circuit Low Input
P2128	Throttle/Pedal Position Sensor/Switch "E" Circuit High Input
P2129	Throttle/Pedal Position Sensor/Switch "E" Circuit Intermittent
P2130	Throttle/Pedal Position Sensor/Switch "F" Circuit
P2131	Throttle/Pedal Position Sensor/Switch "F" Circuit Range Performance
P2132	Throttle/Pedal Position Sensor/Switch "F" Circuit Low Input
P2133	Throttle/Pedal Position Sensor/Switch "F" Circuit High Input
P2134	Throttle/Pedal Position Sensor/Switch "F" Circuit Intermittent
P2135	Throttle/Pedal Position Sensor/Switch "A" / "B" Voltage Correlation
P2136	Throttle/Pedal Position Sensor/Switch "A" / "C" Voltage Correlation
P2137	Throttle/Pedal Position Sensor/Switch "B" / "C" Voltage Correlation
P2138	Throttle/Pedal Position Sensor/Switch "D" / "E" Voltage Correlation
P2139	Throttle/Pedal Position Sensor/Switch "D" / "F" Voltage Correlation
P2140	Throttle/Pedal Position Sensor/Switch "E" / "F" Voltage Correlation
P2141	Exhaust Gas Recirculation Throttle Control Circuit Low
P2142	Exhaust Gas Recirculation Throttle Control Circuit High
P2143	Exhaust Gas Recirculation Vent Control Circuit/Open
P2144	Exhaust Gas Recirculation Vent Control Circuit Low
P2145	Exhaust Gas Recirculation Vent Control Circuit High
P2146	Fuel Injector Group "A" Supply Voltage Circuit/Open
P2147	Fuel Injector Group "A" Supply Voltage Circuit Low
P2148	Fuel Injector Group "A" Supply Voltage Circuit High
P2149	Fuel Injector Group "B" Supply Voltage Circuit/Open
P2150	Fuel Injector Group "B" Supply Voltage Circuit Low
P2151	Fuel Injector Group "B" Supply Voltage Circuit High
P2152	Fuel Injector Group "C" Supply Voltage Circuit/Open
P2153	Fuel Injector Group "C" Supply Voltage Circuit Low
P2154	Fuel Injector Group "C" Supply Voltage Circuit High
P2155	Fuel Injector Group "D" Supply Voltage Circuit/Open
P2156	Fuel Injector Group "D" Supply Voltage Circuit Low
P2157	Fuel Injector Group "D" Supply Voltage Circuit High
P2158	Vehicle Speed Sensor "B"
P2159	Vehicle Speed Sensor "B" Range/Performance
P2160	Vehicle Speed Sensor "B" Circuit Low
P2161	Vehicle Speed Sensor "B" Intermittent/Erratic
P2162	Vehicle Speed Sensor "A" / "B" Correlation
P2163	Throttle/Pedal Position Sensor "A" Maximum Stop Performance
P2164	Throttle/Pedal Position Sensor "B" Maximum Stop Performance
P2165	Throttle/Pedal Position Sensor "C" Maximum Stop Performance
P2166	Throttle/Pedal Position Sensor "D" Maximum Stop Performance
P2167	Throttle/Pedal Position Sensor "E" Maximum Stop Performance
P2168	Throttle/Pedal Position Sensor "F" Maximum Stop Performance
P2169	Exhaust Pressure Regulator Vent Solenoid Control Circuit/Open
P2170	Exhaust Pressure Regulator Vent Solenoid Control Circuit Low
P2171	Exhaust Pressure Regulator Vent Solenoid Control Circuit High
P2172	Throttle Actuator Control System - Sudden High Airflow Detected
P2173	Throttle Actuator Control System - High Airflow Detected
P2174	Throttle Actuator Control System - Sudden Low Airflow Detected
P2175	Throttle Actuator Control System - Low Airflow Detected
P2176	Throttle Actuator Control System - Idle Position Not Learned
P2177	System Too Lean Off Idle
P2178	System Too Rich Off Idle
P2179	System Too Lean Off Idle
P2180	System Too Rich Off Idle
P2181	Cooling System Performance
P2182	Engine Coolant Temperature Sensor 2 Circuit
P2183	Engine Coolant Temperature Sensor 2 Circuit Range/Performance
P2184	Engine Coolant Temperature Sensor 2 Circuit Low
P2185	Engine Coolant Temperature Sensor 2 Circuit High
P2186	Engine Coolant Temperature Sensor 2 Circuit Intermittent/Erratic
P2187	System Too Lean at Idle
P2188	System Too Rich at Idle
P2189	System Too Lean at Idle
P2190	System Too Rich at Idle
P2191	System Too Lean at Higher Load

P2192	System Too Rich at Higher Load
P2193	System Too Lean at Higher Load
P2194	System Too Rich at Higher Load
P2195	O2 Sensor Signal Stuck Lean
P2196	O2 Sensor Signal Stuck Rich
P2197	O2 Sensor Signal Stuck Lean
P2198	O2 Sensor Signal Stuck Rich
P2199	Intake Air Temperature Sensor 1 / 2 Correlation
P2200	NOx Sensor Circuit
P2201	NOx Sensor Circuit Range/Performance
P2202	NOx Sensor Circuit Low Input
P2203	NOx Sensor Circuit High Input
P2204	NOx Sensor Circuit Intermittent Input
P2205	NOx Sensor Heater Control Circuit/Open
P2206	NOx Sensor Heater Control Circuit Low
P2207	NOx Sensor Heater Control Circuit High
P2208	NOx Sensor Heater Sense Circuit
P2209	NOx Sensor Heater Sense Circuit Range/Performance
P2210	NOx Sensor Heater Sense Circuit Low Input
P2211	NOx Sensor Heater Sense Circuit High Input
P2212	NOx Sensor Heater Sense Circuit Intermittent
P2213	NOx Sensor Circuit
P2214	NOx Sensor Circuit Range/Performance
P2215	NOx Sensor Circuit Low Input
P2216	NOx Sensor Circuit High Input
P2217	NOx Sensor Circuit Intermittent Input
P2218	NOx Sensor Heater Control Circuit/Open
P2219	NOx Sensor Heater Control Circuit Low
P2220	NOx Sensor Heater Control Circuit High
P2221	NOx Sensor Heater Sense Circuit
P2222	NOx Sensor Heater Sense Circuit Range/Performance
P2223	NOx Sensor Heater Sense Circuit Low
P2224	NOx Sensor Heater Sense Circuit High
P2225	NOx Sensor Heater Sense Circuit Intermittent
P2226	Barometric Pressure 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
P2232	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2233	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2234	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2235	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2236	O2 Sensor Signal Circuit Shorted to Heater Circuit
P2237	O2 Sensor Positive Current Control Circuit/Open
P2238	O2 Sensor Positive Current Control Circuit Low
P2239	O2 Sensor Positive Current Control Circuit High
P2240	O2 Sensor Positive Current Control Circuit/Open
P2241	O2 Sensor Positive Current Control Circuit Low
P2242	O2 Sensor Positive Current Control Circuit High
P2243	O2 Sensor Reference Voltage Circuit/Open
P2244	O2 Sensor Reference Voltage Performance
P2245	O2 Sensor Reference Voltage Circuit Low
P2246	O2 Sensor Reference Voltage Circuit High
P2247	O2 Sensor Reference Voltage Circuit/Open
P2248	O2 Sensor Reference Voltage Performance
P2249	O2 Sensor Reference Voltage Circuit Low
P2250	O2 Sensor Reference Voltage Circuit High
P2251	O2 Sensor Negative Current Control Circuit/Open
P2252	O2 Sensor Negative Current Control Circuit Low
P2253	O2 Sensor Negative Current Control Circuit High
P2254	O2 Sensor Negative Current Control Circuit/Open
P2255	O2 Sensor Negative Current Control Circuit Low
P2256	O2 Sensor Negative Current Control Circuit High
P2257	Secondary Air Injection System Control "A" Circuit Low

P2258	Secondary Air Injection System Control "A" Circuit High
P2259	Secondary Air Injection System Control "B" Circuit Low
P2260	Secondary Air Injection System Control "B" Circuit High
P2261	Turbo/Super Charger Bypass Valve - Mechanical
P2262	Turbo Boost Pressure Not Detected - Mechanical
P2263	Turbo/Super Charger 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
P2271	O2 Sensor Signal Stuck Rich
P2272	O2 Sensor Signal Stuck Lean
P2273	O2 Sensor Signal Stuck Rich
P2274	O2 Sensor Signal Stuck Lean
P2275	O2 Sensor Signal Stuck Rich
P2276	O2 Sensor Signal Stuck Lean
P2277	O2 Sensor Signal Stuck Rich
P2278	O2 Sensor Signals Swapped Bank 1 Sensor 3 / Bank 2 Sensor 3
P2279	Intake Air System Leak
P2280	Air Flow Restriction / Air Leak Between Air Filter and MAF
P2281	Air Leak Between MAF and Throttle Body
P2282	Air Leak Between Throttle Body and Intake Valves
P2283	Injector Control Pressure Sensor Circuit
P2284	Injector Control Pressure Sensor Circuit Range/Performance
P2285	Injector Control Pressure Sensor Circuit Low
P2286	Injector Control Pressure Sensor Circuit High
P2287	Injector Control Pressure Sensor Circuit Intermittent
P2288	Injector Control Pressure Too High
P2289	Injector Control Pressure Too High - Engine Off
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
P2298	O2 Sensor Out of Range During Deceleration
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
P2410	Fuel Cap Sensor/Switch Circuit Low
P2411	Fuel Cap Sensor/Switch Circuit High
P2412	Fuel Cap Sensor/Switch Circuit Intermittent/Erratic
P2413	Exhaust Gas Recirculation System Performance
P2414	O2 Sensor Exhaust Sample Error
P2415	O2 Sensor Exhaust Sample Error
P2416	O2 Sensor Signals Swapped Bank 1 Sensor 2 / Bank 1 Sensor 3
P2417	O2 Sensor Signals Swapped Bank 2 Sensor 2 / Bank 2 Sensor 3
P2418	Evaporative Emission System Switching Valve Control Circuit / Open
P2419	Evaporative Emission System Switching Valve Control Circuit Low
P2420	Evaporative Emission System Switching Valve Control Circuit High
P2421	Evaporative Emission System Vent Valve Stuck Open
P2422	Evaporative Emission System Vent Valve Stuck Closed
P2423	HC Adsorption Catalyst Efficiency Below Threshold
P2424	HC Adsorption Catalyst Efficiency Below Threshold
P2425	Exhaust Gas Recirculation Cooling Valve Control Circuit/Open
P2426	Exhaust Gas Recirculation Cooling Valve Control Circuit Low
P2427	Exhaust Gas Recirculation Cooling Valve Control Circuit High
P2428	Exhaust Gas Temperature Too High
P2429	Exhaust Gas Temperature Too High
P242A	Exhaust Gas Temperature Sensor Circuit 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
P2431	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance
P2432	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low
P2433	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High
P2434	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic
P2435	Secondary Air Injection System Air Flow/Pressure Sensor Circuit

P2436	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance
P2437	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low
P2438	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High
P2439	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic
P2440	Secondary Air Injection System Switching Valve Stuck Open
P2441	Secondary Air Injection System Switching Valve Stuck Closed
P2442	Secondary Air Injection System Switching Valve Stuck Open
P2443	Secondary Air Injection System Switching Valve Stuck Closed
P2444	Secondary Air Injection System Pump Stuck On
P2445	Secondary Air Injection System Pump Stuck Off
P2446	Secondary Air Injection System Pump Stuck On
P2447	Secondary Air Injection System Pump Stuck Off
P2448	Secondary Air Injection System High Airflow Bank 1
P2449	Secondary Air Injection System High Airflow Bank 2
P2450	Evaporative Emission System Switching Valve Performance or 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/L-Terminal Circuit Low
P2501	Generator Lamp/L-Terminal Circuit High
P2502	Charging System Voltage
P2503	Charging System Voltage Low
P2504	Charging System Voltage High
P2505	ECM/PCM Power Input Signal
P2506	ECM/PCM Power Input Signal Range/Performance
P2507	ECM/PCM Power Input Signal Low
P2508	ECM/PCM Power Input Signal High
P2509	ECM/PCM Power Input Signal Intermittent
P250A	Engine Oil Level Sensor Circuit
P250B	Engine Oil Level Sensor Circuit Range/Performance
P250C	Engine Oil Level Sensor Circuit Low
P250D	Engine Oil Level Sensor Circuit High
P250E	Engine Oil Level Sensor Circuit Intermittent/Erratic
P250F	Engine Oil Level Too Low
P2510	ECM/PCM Power Relay Sense Circuit Range/Performance
P2511	ECM/PCM Power Relay Sense Circuit Intermittent
P2512	Event Data Recorder Request Circuit/ Open
P2513	Event Data Recorder Request Circuit Low
P2514	Event Data Recorder Request Circuit High
P2515	A/C Refrigerant Pressure Sensor "B" Circuit
P2516	A/C Refrigerant Pressure Sensor "B" Circuit Range/Performance
P2517	A/C Refrigerant Pressure Sensor "B" Circuit Low
P2518	A/C Refrigerant Pressure Sensor "B" Circuit High
P2519	A/C Request "A" Circuit
P251A	PTO Enable Switch Circuit/Open
P251B	PTO Enable Switch Circuit Low
P251C	PTO Enable Switch Circuit High
P251D	PTO Engine Shutdown Circuit/Open
P251E	PTO Engine Shutdown Circuit Low
P251F	PTO Engine Shutdown Circuit High
P2520	A/C Request "A" Circuit Low
P2521	A/C Request "A" Circuit High
P2522	A/C Request "B" Circuit
P2523	A/C Request "B" Circuit Low

P2524	A/C Request "B" Circuit High
P2525	Vacuum Reservoir Pressure Sensor Circuit
P2526	Vacuum Reservoir Pressure Sensor Circuit Range/Performance
P2527	Vacuum Reservoir Pressure Sensor Circuit Low
P2528	Vacuum Reservoir Pressure Sensor Circuit High
P2529	Vacuum Reservoir Pressure Sensor Circuit Intermittent
P252A	Engine Oil Quality Sensor Circuit
P252B	Engine Oil Quality Sensor Circuit Range/Performance
P252C	Engine Oil Quality Sensor Circuit Low
P252D	Engine Oil Quality Sensor Circuit High
P252E	Engine Oil Quality Circuit Intermittent/Erratic
P252F	Engine Oil Level Too High
P2530	Ignition Switch Run Position Circuit
P2531	Ignition Switch Run Position Circuit Low
P2532	Ignition Switch Run Position Circuit High
P2533	Ignition Switch Run/Start Position Circuit
P2534	Ignition Switch Run/Start Position Circuit Low
P2535	Ignition Switch Run/Start Position Circuit High
P2536	Ignition Switch Accessory Position Circuit
P2537	Ignition Switch Accessory Position Circuit Low
P2538	Ignition Switch Accessory Position Circuit High
P2539	Low Pressure Fuel System Sensor Circuit
P253A	PTO Sense Circuit/Open
P253B	PTO Sense Circuit Range/Performance
P253C	PTO Sense Circuit Low
P253D	PTO Sense Circuit High
P253E	PTO Sense Circuit Intermittent/Erratic
P253F	Engine Oil Deteriorated
P2540	Low Pressure Fuel System Sensor Circuit Range/Performance
P2541	Low Pressure Fuel System Sensor Circuit Low
P2542	Low Pressure Fuel System Sensor Circuit High
P2543	Low Pressure Fuel System Sensor Circuit Intermittent
P2544	Torque Management Request Input Signal "A"
P2545	Torque Management Request Input Signal "A" Range/Performance
P2546	Torque Management Request Input Signal "A" Low
P2547	Torque Management Request Input Signal "A" High
P2548	Torque Management Request Input Signal "B"
P2549	Torque Management Request Input Signal "B" Range/Performance
P254A	PTO Speed Selector Sensor/Switch 1 Circuit/Open
P254B	PTO Speed Selector Sensor/Switch 1 Range/Performance
P254C	PTO Speed Selector Sensor/Switch 1 Circuit Low
P254D	PTO Speed Selector Sensor/Switch 1 Circuit High
P254E	PTO Speed Selector Sensor/Switch 1 Circuit Intermittent/Erratic
P254F	Engine Hood Switch Circuit
P2550	Torque Management Request Input Signal "B" Low
P2551	Torque Management Request Input Signal "B" High
P2552	Throttle/Fuel Inhibit Circuit
P2553	Throttle/Fuel Inhibit Circuit Range/Performance
P2554	Throttle/Fuel Inhibit Circuit Low
P2555	Throttle/Fuel Inhibit Circuit High
P2556	Engine Coolant Level Sensor/Switch Circuit
P2557	Engine Coolant Level Sensor/Switch Circuit Range/Performance
P2558	Engine Coolant Level Sensor/Switch Circuit Low
P2559	Engine Coolant Level Sensor/Switch Circuit High
P255A	PTO Speed Selector Sensor/Switch 2 Circuit/Open
P255B	PTO Speed Selector Sensor/Switch 2 Range/Performance
P255C	PTO Speed Selector Sensor/Switch 2 Circuit Low
P255D	PTO Speed Selector Sensor/Switch 2 Circuit High
P255E	PTO Speed Selector Sensor/Switch 2 Circuit Intermittent/Erratic
P255F	ISO/SAE reserved
P2560	Engine Coolant Level Low
P2561	A/C Control Module Requested MIL Illumination
P2562	Turbocharger Boost Control Position Sensor Circuit
P2563	Turbocharger Boost Control Position Sensor Circuit Range/Performance
P2564	Turbocharger Boost Control Position Sensor Circuit Low
P2565	Turbocharger Boost Control Position Sensor Circuit High

P2566	Turbocharger Boost Control Position Sensor 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
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 MIL Request
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
P2627	O2 Sensor Pumping Current Trim Circuit Low
P2628	O2 Sensor Pumping Current Trim Circuit High

P2629	O2 Sensor Pumping Current Trim Circuit/Open
P2630	O2 Sensor Pumping Current Trim Circuit Low
P2631	O2 Sensor Pumping Current Trim Circuit High
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
P2646	"A" Rocker Arm Actuator System Performance or Stuck Off
P2647	"A" Rocker Arm Actuator System Stuck On
P2648	"A" Rocker Arm Actuator Control Circuit Low
P2649	"A" Rocker Arm Actuator Control Circuit High
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
P264F	ISO/SAE reserved
P2650	"B" Rocker Arm Actuator Control Circuit/Open
P2651	"B" Rocker Arm Actuator System Performance or Stuck Off
P2652	"B" Rocker Arm Actuator System Stuck On
P2653	"B" Rocker Arm Actuator Control Circuit Low
P2654	"B" Rocker Arm Actuator Control Circuit High
P2655	"A" Rocker Arm Actuator Control Circuit/Open
P2656	"A" Rocker Arm Actuator System Performance or Stuck Off
P2657	"A" Rocker Arm Actuator System Stuck On
P2658	"A" Rocker Arm Actuator Control Circuit Low
P2659	"A" Rocker Arm Actuator Control Circuit High
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
P265F	ISO/SAE reserved
P2660	"B" Rocker Arm Actuator Control Circuit/Open
P2661	"B" Rocker Arm Actuator System Performance or Stuck Off
P2662	"B" Rocker Arm Actuator System Stuck On
P2663	"B" Rocker Arm Actuator Control Circuit Low
P2664	"B" Rocker Arm Actuator Control Circuit High
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
P266F	ISO/SAE reserved
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
P267F	ISO/SAE reserved
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	ISO/SAE reserved
P2688	ISO/SAE reserved
P2689	ISO/SAE reserved
P268A	ISO/SAE reserved
P268B	ISO/SAE reserved
P268C	ISO/SAE reserved
P268D	ISO/SAE reserved
P268E	ISO/SAE reserved
P268F	ISO/SAE reserved
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 or 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 or 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 or 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 or 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
P273C	ISO/SAE reserved
P273D	ISO/SAE reserved
P273E	ISO/SAE reserved
P273F	ISO/SAE reserved
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 or 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
P279A	SAE/ISO Reserved
P279B	SAE/ISO Reserved
P279C	SAE/ISO Reserved
P279D	SAE/ISO Reserved
P279E	SAE/ISO Reserved
P279F	SAE/ISO Reserved
P2800	Transmission Range Sensor B Circuit Malfunction (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 or 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 or 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 or 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 or 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
P2A01	O2 Sensor Circuit Range/Performance
P2A02	O2 Sensor Circuit Range/Performance
P2A03	O2 Sensor Circuit Range/Performance
P2A04	O2 Sensor Circuit Range/Performance
P2A05	O2 Sensor Circuit Range/Performance
P2A06	O2 Sensor Negative Voltage 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
P3401	Cylinder 1 Deactivation/Intake Valve Control Circuit/Open
P3402	Cylinder 1 Deactivation/Intake Valve Control 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 Performance
P3495	Cylinder 12 Exhaust Valve Control Circuit Low
P3496	Cylinder 12 Exhaust Valve Control Circuit High
P3497	Cylinder Deactivation System
C0001	TCS Control Channel A Valve 1 (Subfault)
C0002	TCS Control Channel A Valve 2 (Subfault)
C0003	TCS Control Channel B Valve 1 (Subfault)
C0004	TCS Control Channel B Valve 2 (Subfault)
C0005	ISO/SAE reserved
C0006	ISO/SAE reserved
C0007	ISO/SAE reserved
C0008	ISO/SAE reserved
C0009	ISO/SAE reserved
C000A	ISO/SAE reserved
C000B	ISO/SAE reserved
C000C	ISO/SAE reserved
C000D	ISO/SAE reserved
C000E	ISO/SAE reserved
C000F	ISO/SAE reserved
C0010	Left Front Inlet Control (Subfault)
C0011	Left Front Outlet Control (Subfault)
C0012	Left Front Hydraulic Release Too Long (Subfault)
C0013	ISO/SAE reserved
C0014	Right Front Inlet Control (Subfault)
C0015	Right Front Outlet Control (Subfault)
C0016	Right Front Hydraulic Release Too Long (Subfault)
C0017	ISO/SAE reserved
C0018	Left Rear Inlet Control (Subfault)
C0019	Left Rear Outlet Control (Subfault)
C001A	Left Rear Hydraulic Release Too Long (Subfault)
C001B	ISO/SAE reserved
C001C	Right Rear Inlet Control (Subfault)
C001D	Right Rear Outlet Control (Subfault)
C001E	Right Rear Hydraulic Release Too Long (Subfault)
C001F	ISO/SAE reserved
C0020	ABS Pump Motor Control (Subfault)
C0021	Brake Booster Performance (Subfault)
C0022	Brake Booster Solenoid (Subfault)

C0023	Stop Lamp control (Subfault)
C0024	ISO/SAE reserved
C0025	ISO/SAE reserved
C0026	ISO/SAE reserved
C0027	ISO/SAE reserved
C0028	ISO/SAE reserved
C0029	ISO/SAE reserved
C002A	ISO/SAE reserved
C002B	ISO/SAE reserved
C002C	ISO/SAE reserved
C002D	ISO/SAE reserved
C002E	ISO/SAE reserved
C002F	ISO/SAE reserved
C0030	Left Front Tone Wheel (Subfault)
C0031	Left Front Wheel Speed Sensor (Subfault)
C0032	Left Front Wheel Speed Sensor Supply (Subfault)
C0033	Right Front Tone Wheel (Subfault)
C0034	Right Front Wheel Speed Sensor (Subfault)
C0035	Right Front Wheel Speed Sensor Supply (Subfault)
C0036	Left Rear Tone Wheel (Subfault)
C0037	Left Rear Wheel Speed Sensor (Subfault)
C0038	Left Rear Wheel Speed Sensor Supply (Subfault)
C0039	Right Rear Tone Wheel (Subfault)
C003A	Right Rear Wheel Speed Sensor (Subfault)
C003B	Right Rear Wheel Speed Sensor Supply (Subfault)
C003C	Rear Tone Wheel (Subfault)
C003D	Rear Wheel Speed Sensor (Subfault)
C003E	Rear Wheel Speed Sensor Supply (Subfault)
C003F	ISO/SAE reserved
C0040	Brake Pedal Switch A (Subfault)
C0041	Brake Pedal Switch B (Subfault)
C0042	Brake Pedal Position Sensor Circuit A (Subfault)
C0043	Brake Pedal Position Sensor Circuit B (Subfault)
C0044	Brake Pressure Sensor A (Subfault)
C0045	Brake Pressure Sensor B (Subfault)
C0046	Brake Pressure Sensor A/B (Subfault)
C0047	Brake Booster Pressure Sensor (Subfault)
C0048	Brake Booster Travel Sensor (Subfault)
C0049	Brake Fluid (Subfault)
C004A	Brake Lining Wear Sensor (Subfault)
C004B	ISO/SAE reserved
C004C	ISO/SAE reserved
C004D	ISO/SAE reserved
C004E	ISO/SAE reserved
C004F	ISO/SAE reserved
C0050	ISO/SAE reserved
C0051	Steering Wheel Position Sensor (Subfault)
C0052	Steering Wheel Position Sensor Signal A (Subfault)
C0053	Steering Wheel Position Sensor Signal B (Subfault)
C0054	Steering Wheel Position Sensor Signal C (Subfault)
C0055	Steering Wheel Position Sensor Signal D (Subfault)
C0056	ISO/SAE reserved
C0057	ISO/SAE reserved
C0058	ISO/SAE reserved
C0059	ISO/SAE reserved
C005A	ISO/SAE reserved
C005B	ISO/SAE reserved
C005C	ISO/SAE reserved
C005D	ISO/SAE reserved
C005E	ISO/SAE reserved
C005F	ISO/SAE reserved
C0060	ISO/SAE reserved
C0061	Lateral Acceleration Sensor (Subfault)
C0062	Longitudinal Acceleration Sensor (Subfault)
C0063	Yaw Rate Sensor (Subfault)
C0064	Roll Rate Sensor

C0065	ISO/SAE reserved
C0066	ISO/SAE reserved
C0067	ISO/SAE reserved
C0068	ISO/SAE reserved
C0069	Yaw Rate/Longitude Sensors (Subfault)
C006A	Multi-axis Acceleration Sensor (Subfault)
C006B	Stability System Active Too Long (Subfault)
C006C	Stability System
C006D	ISO/SAE reserved
C006E	ISO/SAE reserved
C006F	ISO/SAE reserved
C0070	ISO/SAE reserved
C0071	2/4 Wheel Drive Status Input (Subfault)
C0072	Brake Temperature Too High (Subfault)
C0073	Delivered Driving Torque (Subfault)
C0074	Requested Driving Torque (Subfault)
C0075	Extended Brake Pedal Travel, output to PCM (Subfault)
C0076	PWM for Traction Control (Subfault)
C0077	Low Tire Pressure (Subfault)
C0078	Tire Diameter (Subfault)
C0079	Variable Effort Steering (Subfault)
C007A	ISO/SAE reserved
C007B	ISO/SAE reserved
C007C	ISO/SAE reserved
C007D	ISO/SAE reserved
C007E	ISO/SAE reserved
C007F	ISO/SAE reserved
C0080	ISO/SAE reserved
C0081	ABS Malfunction Indicator (Subfault)
C0082	Brake System Malfunction Indicator (Subfault)
C0083	Tire Pressure Monitor Malfunction Indicator (Subfault)
C0084	Traction Active Indicator (Subfault)
C0085	Traction Disable Indicator (Subfault)
C0086	Vehicle Dynamics Indicator (Subfault)
C0087	ISO/SAE reserved
C0088	ISO/SAE reserved
C0089	TCS Disable Switch (Subfault)
C008A	TCS Mode Control (Subfault)
C008B	ISO/SAE reserved
C008C	ISO/SAE reserved
C008D	ISO/SAE reserved
C008E	ISO/SAE reserved
C008F	ISO/SAE reserved
C0090	ISO/SAE reserved
C0091	ISO/SAE reserved
C0092	ISO/SAE reserved
C0093	ISO/SAE reserved
C0094	ISO/SAE reserved
C0095	ISO/SAE reserved
C0096	ISO/SAE reserved
C0097	ISO/SAE reserved
C0098	ISO/SAE reserved
C0099	ISO/SAE reserved
C009A	ISO/SAE reserved
C009B	ISO/SAE reserved
C009C	ISO/SAE reserved
C009D	ISO/SAE reserved
C009D	ISO/SAE reserved
C009E	ISO/SAE reserved
C009F	ISO/SAE reserved
C00A0	ISO/SAE reserved
C1091	Speed Wheel Sensor All Coherency Failure
C1095	ABS Hydraulic Pump Motor Circuit Failure
C1096	ABS Hydraulic Pump Motor Circuit Open
C1097	ABS Hydraulic Pump Motor Circuit Short To Ground
C1098	ABS Hydraulic Pump Motor Circuit Short To Battery

C1099	CODE 5099
C1100	ABS Pump Switch Circuit Failure
C1101	ABS Hydraulic Valve Circuit Failure
C1102	ABS Acceleration Switch Circuit Failure
C1103	ABS Hydraulic Brake Switch Circuit Failure
C1104	Traction Control Active Lamp - Circuit Short to Battery
C1105	Traction Control Disable Lamp -Circuit Short to Battery
C1106	Traction Ctrl Disable Switch Circuit Short to Battery
C1107	ABS Function Enabled Input Circuit Failure
C1109	Speed Control Actuator Assembly Cable Release Failure
C1110	ABS Power Relay Coil Circuit Failure
C1111	ABS Power Relay Coil Open Circuit
C1112	ABS Power Relay Coil Short Circuit To Ground
C1113	ABS Power Relay Coil Short Circuit To Battery
C1114	ABS Power Relay Output Short Circuit To Ground
C1115	ABS Power Relay Output Short Circuit To Battery
C1116	Starter Motor Circuit Failure
C1117	RPM Input Circuit Failure
C1123	Vehicle Speed Sensor Input Short to Battery
C1124	Input shaft speed signal missing/faulted
C1125	Brake Fluid Level Sensor Input Circuit Failure
C1126	Cruise Control Command Switch Assembly Circuit Failure
C1127	Cruise Control Deactivator Brake Switch Circuit Failure
C1132	Clutch position ckt short to ground
C1133	Clutch position ckt short to battery
C1134	Gear Shift position short to ground
C1135	Gear Shift position short to battery
C1136	Gear Select position short to ground
C1137	ECU is Defective
C1138	Gear Select position short to Battery
C1139	Wheel Speed Sensor Center Tone Ring Missing Tooth Fault
C1140	Hydraulic Base Brake Failure
C1141	Wheel Speed Sensor LF Tone Ring Tooth Missing Fault
C1142	Wheel Speed Sensor RF Tone Ring Tooth Missing Fault
C1143	Wheel Speed Sensor LR Tone Ring Tooth Missing Fault
C1144	Wheel Speed Sensor RR Tone Ring Tooth Missing Fault
C1145	Speed Wheel Sensor RF Input Circuit Failure
C1146	Speed Wheel Sensor RF Circuit Open
C1147	CODE 1147
C1148	Speed Wheel Sensor RF Coherency Fault
C1149	Hydraulic Fluid Pressure/ Flow Circuit Failure
C1150	Two Speed Rear Axle Input Switch Circuit Short to Vbatt
C1155	Speed Wheel Sensor LF Input Circuit Failure
C1156	Speed Wheel Sensor LF Circuit Open
C1157	Park Brake Actuator Assembly SW Applied Circuit Failure
C1158	Speed Wheel Sensor LF Coherency Fault
C1159	Hydraulic Fluid Pressure/ Flow Circuit Short to Gnd
C1161	Air Pressure Low Circuit Short to Gnd
C1162	Park Brake Switch # 2 Released Circuit Failure
C1163	Park Brake Switch # 2 Applied Circuit Short to Gnd
C1164	Park Brake Actuator Assembly Switch Circuit Failure
C1165	Speed Wheel Sensor RR Input Circuit Failure
C1166	Speed Wheel Sensor RR Input Open Circuit
C1167	Park Brake Actuator Assembly SW Released Short to Gnd
C1168	Speed Wheel Sensor RR Coherency Fault
C1169	ABS Fluid Dumping Exceeds Maximum Timing
C1170	PRNDL Switch Circuit Failure
C1172	Park Brake Switch # 1 Applied Circuit Failure
C1173	Park Brake Switch # 1 Released Circuit Short to Gnd
C1174	Park Brake Switch # 2 Applied Circuit Failure
C1175	Speed Wheel Sensor LR Input Circuit Failure
C1176	Speed Wheel Sensor LR Circuit Open
C1177	Park Brake Actuator Assembly SW Released Circuit Fail
C1178	Speed Wheel Sensor LR Coherency Fault
C1179	Speed Control Actuator Assembly Cable Slack Failure
C1180	Park Brake Valve Solenoid #1 Sense Input Circuit Fail

C1181	Park Brake Valve Solenoid #1 Sense Input Short to GND
C1182	Park Lamp Flash Relay Circuit Failure
C1183	Park Lamp Flash Relay Circuit Short to Battery
C1184	ABS System Is Not Operational
C1185	ABS Power Relay Output Circuit Failure
C1186	ABS Power Relay Output Open Circuit
C1187	Brake Fluid Level Sensor Input Open Circuit
C1188	Brake Fluid Level Sensor Input Short Circuit To Battery
C1189	Brake Fluid Level Sensor Input Short Circuit To Ground
C1190	Speed Wheel Sensor LF Input Short Circuit To Battery
C1191	Speed Wheel Sensor LF Input Short Circuit To Ground
C1192	Speed Wheel Sensor RF Input Short Circuit To Battery
C1193	Speed Wheel Sensor RF Input Short Circuit To Ground
C1194	ABS Outlet Valve Coil LF Circuit Failure
C1195	ABS Outlet Valve Coil LF Circuit Open
C1196	ABS Outlet Valve Coil LF Circuit Short To Battery
C1197	ABS Outlet Valve Coil LF Circuit Short To Ground
C1198	ABS Inlet Valve Coil LF Circuit Failure
C1199	ABS Inlet Valve Coil LF Circuit Open
C1200	ABS Inlet Valve Coil LF Circuit Short To Battery
C1201	ABS Inlet Valve Coil LF Circuit Short To Ground
C1202	ABS Outlet Valve Coil Rear Circuit Failure
C1203	ABS Outlet Valve Coil Rear Circuit Open
C1204	ABS Outlet Valve Coil Rear Circuit Short To Battery
C1205	ABS Outlet Valve Coil Rear Circuit Short To Ground
C1206	ABS Inlet Valve Coil Rear Circuit Failure
C1207	ABS Inlet Valve Coil Rear Circuit Open
C1208	ABS Inlet Valve Coil Rear Circuit Short To Battery
C1209	ABS Inlet Valve Coil Rear Circuit Short To Ground
C1210	ABS Outlet Valve Coil RF Circuit Failure
C1211	ABS Outlet Valve Coil RF Circuit Open
C1212	ABS Outlet Valve Coil RF Circuit Short To Battery
C1213	ABS Outlet Valve Coil RF Circuit Short To Ground
C1214	ABS Inlet Valve Coil RF Circuit Failure
C1215	ABS Inlet Valve Coil RF Circuit Open
C1216	ABS Inlet Valve Coil RF Circuit Short To Battery
C1217	ABS Inlet Valve Coil RF Circuit Short To Ground
C1218	Lamp ABS Warning Output Circuit Failure
C1219	Lamp ABS Warning Output Circuit Open
C1220	Lamp ABS Warning Output Circuit Short To Battery
C1221	Lamp ABS Warning Output Circuit Short To Ground
C1222	Speed Wheel Mismatch
C1223	Lamp Brake Warning Output Circuit Failure
C1224	Lamp Brake Warning Output Circuit Open
C1225	Lamp Brake Warning Output Circuit Short To Battery
C1226	Lamp Brake Warning Output Circuit Short To Ground
C1227	Speed Wheel Sensor LR Input Short Circuit To Battery
C1228	Speed Wheel Sensor LR Input Short Circuit To Ground
C1229	Speed Wheel Sensor Rear Center Coherency Fault
C1230	Speed Wheel Sensor Rear Center Input Circuit Failure
C1231	Speed Wheel Sensor Rear Center Circuit Open
C1232	Speed Wheel Sensor Rear Center Input Short To Battery
C1233	Speed Wheel LF Input Signal Missing
C1234	Speed Wheel RF Input Signal Missing
C1235	Speed Wheel RR Input Signal Missing
C1236	Speed Wheel LR Input Signal Missing
C1237	Speed Wheel Rear Input Signal Missing
C1238	ABS Hydraulic Pressure Differential Switch Input Fail
C1239	ABS Hydraulic Press Differential SW Input Open Circuit
C1240	ABS Hydraulic Pres Differential SW Input Short To Batt
C1241	ABS Hydraulic Pres Differential SW Input Short To GND
C1242	ABS Outlet Valve Coil LR Circuit Failure
C1243	ABS Outlet Valve Coil LR Circuit Open
C1244	ABS Outlet Valve Coil LR Circuit Short To Battery
C1245	ABS Outlet Valve Coil LR Circuit Short To Ground
C1246	ABS Outlet Valve Coil RR Circuit Failure

C1247	ABS Outlet Valve Coil RR Circuit Open
C1248	ABS Outlet Valve Coil RR Circuit Short To Battery
C1249	ABS Outlet Valve Coil RR Circuit Short To Ground
C1250	ABS Inlet Valve Coil LR Circuit Failure
C1251	ABS Inlet Valve Coil LR Circuit Open
C1252	ABS Inlet Valve Coil LR Circuit Short To Battery
C1253	ABS Inlet Valve Coil LR Circuit Short To Ground
C1254	ABS Inlet Valve Coil RR Circuit Failure
C1255	ABS Inlet Valve Coil RR Circuit Open
C1256	ABS Inlet Valve Coil RR Circuit Short To Battery
C1257	ABS Inlet Valve Coil RR Circuit Short To Ground
C1258	Speed Wheel LF Comparison Failure
C1259	Speed Wheel RF Comparison Failure
C1260	Speed Wheel RR Comparison Failure
C1261	Speed Wheel LR Comparison Failure
C1262	Lamp Warning Relay Circuit Failure
C1263	Lamp Warning Relay Circuit Open
C1264	Lamp Warning Relay Circuit Short To Battery
C1265	Lamp Warning Relay Circuit Short To Ground
C1266	ABS Valve Power Relay Circuit Failure
C1267	ABS Functions Temporarily Disabled
C1268	Motor Relay # 1 Circuit Failure
C1269	Motor Relay # 1 Circuit Short to Battery
C1270	Motor # 1 Input Circuit Failure
C1271	Motor # 1 Input Circuit Short to Gnd
C1272	Motor # 2 Input Circuit Failure
C1273	Motor # 2 Input Circuit Short to Vbat
C1274	Solenoid Relay # 1 Circuit Failure
C1275	Solenoid Relay # 1 Circuit Short to Vbatt
C1276	Park Brake Actuator Assembly SW Applied Short GND
C1277	STEERING Wheel Angle 1and 2 Circuit Failure
C1278	STEERING Wheel Angle 1and 2 Signal Faulted
C1279	Yaw Rate Sensor circuit Failure
C1280	Yaw Rate Sensor Signal Fault
C1281	Lateral Accelerometer circuit Failure
C1282	Lateral Accelerometer Signal Fault
C1283	Switch Test Signal Failure
C1284	Oil Pressure Switch Failure
C1285	Booster Solenoid circuit Failure
C1286	Booster Mechanical Failure
C1287	Booster Pedal Force switch circuit Failure
C1288	Pres Transducer Main / Primary Input Circuit Failure
C1289	Pres Transducer Redundant / 2nd Input Circuit Failure
C1400	Traction Control Valve RF Circuit Failure
C1401	Traction Control Valve RF Circuit Open
C1402	Traction Control Valve RF Circuit Short To Ground
C1403	Traction Control Valve RF Circuit Short To Battery
C1404	Traction Control Valve Rear Circuit Failure
C1405	Traction Control Valve Rear Circuit Open
C1406	Traction Control Valve Rear Circuit Short To Ground
C1407	Traction Control Valve Rear Circuit Short To Battery
C1410	Traction Control Valve LF Circuit Failure
C1411	Traction Control Valve LF Circuit Open
C1412	Traction Control Valve LF Circuit Short To Ground
C1413	Traction Control Valve LF Circuit Short To Battery
C1414	Incorrect Module Design Level
C1415	Incorrect Module Configuration
C1416	Damper RF Circuit Short To Battery
C1417	Damper RF Circuit Short to Ground
C1418	Damper RF Circuit Failure
C1419	Damper RF Circuit Open
C1420	Hydraulic Fluid Pressure/ Flow Circuit Short to Vbatt
C1421	Damper LF Circuit Short To Battery
C1422	Damper LF Circuit Short to Ground
C1423	Damper LF Circuit Failure
C1424	Damper LF Circuit Open

C1425	Damper RR Circuit Short to Ground
C1426	Damper RR Circuit Short To Battery
C1427	Damper RR Circuit Open
C1428	Damper RR Circuit Failure
C1429	Input-shaft-speed input circuit failure
C1430	Damper LR Circuit Open
C1431	Damper LR Circuit Short To Battery
C1432	Damper LR Circuit Short to Ground
C1433	Damper LR Circuit Failure
C1434	CODE 5434
C1435	Accelerometer Rear Circuit Failure
C1436	Accelerometer Rear Circuit Signal Is Not Sensed
C1437	Accelerometer Rear Circuit Short To Ground
C1438	Accelerometer Rear Circuit Short To Battery
C1439	Vehicle Acceleration EEC-IV Circuit Failure
C1440	Pressure Transducer Main / Primary signal Faulted
C1441	Steering Phase A Circuit Signal Is Not Sensed
C1442	Steering Phase B Circuit Signal Is Not Sensed
C1443	Steering Phase A Circuit Short To Ground
C1444	Steering Phase B Circuit Short To Ground
C1445	Speed Vehicle Signal Circuit Failure
C1446	Brake Switch Circuit Failure
C1447	Traction Control Module Request Circuit Failure
C1448	Lamp Adaptive Damping Warning Circuit Failure
C1449	Traction Control Motor Coherency Fault
C1450	Traction Control Motor Circuit Failure
C1451	Traction Control Motor Circuit Open
C1452	Traction Control Motor Circuit Short to Battery
C1453	Traction Control Motor Circuit Short to Ground
C1454	Front Lateral Accelerometer Circuit Failure
C1455	Accelerometer Front Circuit Failure
C1456	Accelerometer Front Circuit Is Not Sensed
C1457	Accelerometer Front Circuit Short To Ground
C1458	Accelerometer Front Circuit Short To Battery
C1459	Adaptive Mode Switch Circuit Failure
C1460	Vehicle Accelerometer Power Circuit Failure
C1461	Vehicle Accelerometer Power Circuit Short to Battery
C1462	Left Front Vertical Accelerometer Circuit Failure
C1463	Right Front Vertical Accelerometer Circuit Failure
C1464	Pressure Transducer Redundant / 2nd Signal Faulted
C1465	Damper High Side Front Circuit Short To Battery
C1466	Damper Circuit Failure
C1467	Damper High Side Rear Circuit Short To Battery
C1468	Damper Low Side Front Circuit Failure
C1469	Damper Low Side Rear Circuit Failure
C1495	Traction Control Motor Potentiometer Circuit Failure
C1496	Traction Control Motor Potentiometer Circuit Open
C1497	Traction Control Motor Potentiometer Short to Battery
C1498	Traction Control Motor Potentiometer Short to Ground
C1499	Transfer Case Contact Plate A Encoder Circuit Failure
C1500	Transfer Case Contact Plate B Encoder Circuit Failure
C1501	Transfer Case Contact Plate C Encoder Circuit Failure
C1502	Transfer Case Contact Plate D Encoder Circuit Failure
C1503	Dynamic Stability Control Left Front Valve Malfunction
C1504	Dynamic Stability Control Right Front Valve Malfunction
C1505	Dynamic Stability Control Left Rear Valve Malfunction
C1506	Dynamic Stability Control Right Rear Valve Malfunction
C1507	Traction Control of Brake Exceeds Time-Out
C1508	Traction Control of Engine Exceeds Time-Out
C1510	Right Front Wheel Press Reduction Performance Problem
C1511	Left Front Wheel Pressure Reduction Performance Problem
C1512	Right Rear Wheel Pressure Reduction Performance Problem
C1513	Left rear Wheel Pressure Reduction Performance Problem
C1699	Left Rear Sensor Circuit Short to Vbat
C1700	Left Rear Sensor Circuit Failure
C1701	Left Rear Sensor Circuit Fault

C1702	RightRear Sensor Circuit Short to Vbat
C1703	Right Rear Sensor Circuit Failure
C1704	Right Rear Sensor Circuit Fault
C1705	Left Rear Center Sensor Circuit Short to Vbat
C1706	Left Rear Center Sensor Circuit Failure
C1707	Left Rear Center Sensor Circuit Fault
C1708	Right Rear Center Sensor Circuit Short to Vbat
C1709	Right Rear Center Sensor Circuit Failure
C1710	Right Rear Center Sensor Circuit Fault
C1711	Left Front Sensor Circuit Short to Vbat
C1712	Left Front Sensor Circuit Failure
C1713	Left Front Sensor Circuit Fault
C1714	Right Front Sensor Circuit Short to Vbat
C1715	Right Front Sensor Circuit Failure
C1716	Right Front Sensor Circuit Fault
C1717	Left Front Center Sensor Circuit Short to Vbat
C1718	Left Front Center Sensor Circuit Failure
C1719	Left Front Center Sensor Circuit Fault
C1721	Air Suspension Height Sensor Power Circuit Open
C1722	Air Suspension Height Sensor Power Short To Battery
C1723	Air Suspension Height Sensor Power Short To Ground
C1724	Air Suspension Height Sensor Power Circuit Failure
C1725	Air Suspension Front Pneumatic Failure
C1726	Air Suspension Rear Pneumatic Failure
C1727	Air Suspension Reservoir Pneumatic Failure
C1728	Transfer Case unable to transition between 2H and 4H
C1729	Transfer Case unable to transition between 4H and 4L
C1730	Reference Voltage Out of Range (+5 v)
C1731	Air Suspension LF Corner Up Timeout
C1732	Air Suspension LF Corner Down Timeout
C1733	Air Suspension RF Corner Up Timeout
C1734	Air Suspension RF Corner Down Timeout
C1735	Air Suspension LR Corner Up Timeout
C1736	Air Suspension LR Corner Down Timeout
C1737	Air Suspension RR Corner Up Timeout
C1738	Air Suspension RR Corner Down Timeout
C1739	Right Front Center Sensor Circuit Short to Vbat
C1740	Right Front Center Sensor Circuit Failure
C1741	Right Front Center Sensor Circuit Fault
C1742	Rear Sounder Circuit Failure
C1743	Rear Sounder Circuit Short to Vbatt
C1744	Front Sounder Circuit Failure
C1745	Front Sounder Circuit Short to Vbatt
C1748	Switch input Circuit Short to Gnd
C1749	Trailer Input Circuit Failure
C1750	Accelerator Position Sensor Out of Range
C1751	Vehicle Speed Sensor # 1 Output Circuit Short to Vbatt
C1752	Vehicle Speed Sensor # 1 Output Circuit Short to Gnd
C1753	Hydraulic Clutch Actuator Valve Signal Fault
C1754	Hydraulic Clutch Actuator Valve Circuit Failure
C1755	Power Limit Shutdown Fault
C1756	Air Susp Front Height Sensor High Signal Circuit Fail
C1757	Air Susp Front Height Sensor High Signal Circuit Open
C1758	Air Susp Front Height Sensor High Signal Short To B+
C1759	Air Susp Front Height Sensor High Signal Short To -
C1760	Air Susp Rear Height Sensor High Signal Circuit Fail
C1761	Air Susp Rear Height Sensor High Signal Circuit Open
C1762	Air Suspension Rear Height Sensor High Signal Short B+
C1763	Air Suspension Rear Height Sensor High Signal Short GND
C1764	CODE 5764
C1765	Air Suspension Rear Height Sensor Low Signal Circuit
C1766	Air Suspension Rear Height Sensor Low Signal Circ Open
C1767	Air Suspension Rear Height Sensor Low Signal Short To +
C1768	Air Suspension Rear Height Sensor Low Signal Short To -
C1769	CODE 5769
C1770	Air Suspension Vent Solenoid Output Circuit Failure

C1771	Air Suspension Vent Solenoid Output Circuit Open
C1772	Air Suspension Vent Solenoid Output Short To Battery
C1773	Air Suspension Vent Solenoid Output Short To Ground
C1774	Coolant Temp Out of Range
C1775	DC-DC Converter Failure
C1776	Heater System Failure
C1777	Vacuum Pressure Circuit Failure
C1778	Power Steering Failure
C1779	Blower Switch Failure
C1780	Temperature Select Failure
C1781	Engine Coolant Temperature Signal Missing/Fault
C1790	Air Suspension LR Air Spring/Shock Solenoid Output Fail
C1791	Air Suspension LR Air Spring/Shock Solenoid Output Open
C1792	Air Susp LR Air Spring/Shock Solenoid Output Short +
C1793	Air Susp LR Air Spring/Shock Solenoid Output Short To-
C1795	Air Suspension RR Air Spring/Shock Solenoid Output Fail
C1796	Air Suspension RR Air Spring/Shock Solenoid Output Open
C1797	Air Susp RR Air Spring/Shock Solenoid Output Short To +
C1798	Air Susp RR Air Spring/Shock Solenoid Output Short To -
C1800	Air Suspension Reservoir Solenoid Circuit Failure
C1805	Mismatched PCM and/or ABS-TC Module
C1813	Air Suspension LR Vent Request Exceeded Max Timing
C1814	Air Suspension RR Vent Request Exceeded Max Timing
C1818	Air Suspension LR Air Compress Request Exced Max Timing
C1819	Air Suspension RR Air Compress Request Exced Max Timing
C1820	Air Suspension RF Air Compress Request Exced Max Timing
C1830	Air Suspension Compressor Relay Circuit Failure
C1831	Air Suspension Compressor Relay Circuit Open
C1832	Air Suspension Compressor Relay Circ Short To Battery
C1833	Air Suspension Compressor Relay Circuit Short To Ground
C1834	Gauge Drive Current Fault
C1835	Current Sense Circuit Failure
C1836	Battery Temp out of Range
C1837	Battery Heater Circuit Failure
C1838	Charging System Fault
C1839	Leakage Fault
C1840	Air Suspension Disable Switch Circuit Failure
C1841	Air Suspension Disable Switch Circuit Open
C1842	Air Suspension Disable Switch Circuit Short To Battery
C1843	Air Suspension Disable Switch Circuit Short To Ground
C1844	Air Suspension 2nd Front Inflator Solenoid Output Circ
C1845	Air Suspension Front Inflator Solenoid Output Circuit
C1846	Air Suspension Front Inflator Solenoid Output Circ Open
C1847	Air Suspension Front Inflator Solenoid Output Short +
C1848	Air Suspension Front Inflator Solenoid Output Short -
C1849	Master Cylinder Pressure Out of Range
C1850	Air Suspension Warning Lamp Circuit Failure
C1851	Air Suspension Warning Lamp Circuit Open
C1852	Air Suspension Warning Lamp Circuit Short To Battery
C1853	Air Suspension Warning Lamp Circuit Short To Ground
C1854	Motor Temperature Out of Range
C1855	Acceleration Position Sensor Conflict
C1856	Traction Motor Encoder circuit Failure
C1859	PRNDL Input #2 Circuit Failure
C1860	PRNDL Input #3 Circuit Failure
C1861	PRNDL Input #4 Circuit Failure
C1862	Contacto Circuit Failure
C1863	External Charging Fault
C1864	Battery Module Fault
C1865	Air Suspension Rear Inflator Solenoid Output Circuit
C1866	Air Suspension Rear Inflator Solenoid Output Circ Open
C1867	Air Suspension Rear Inflator Solenoid Output Short To +
C1868	Air Suspension Rear Inflator Solenoid Output Short To -
C1869	Air Suspension Gate Solenoid Output Circuit Failure
C1870	Air Suspension Gate Solenoid Output Circuit Open
C1871	Air Suspension Gate Solenoid Output Circuit Short To +

C1872	Air Suspension Gate Solenoid Output Circuit Short To -
C1873	Air Suspension RF Air Spring Solenoid Output Failure
C1874	Air Suspension RF Air Spring Solenoid Output Circ Open
C1875	Air Suspension RF Air Spring Solenoid Output Short To +
C1876	Air Suspension RF Air Spring Solenoid Output Short To -
C1877	Air Suspension LF Air Spring Solenoid Output Circuit
C1878	Air Suspension LF Air Spring Solenoid Output Circ Open
C1879	Air Suspension LF Air Spring Solenoid Output Short To +
C1880	Air Suspension LF Air Spring Solenoid Output Short To -
C1881	Air Suspension RF Height Sensor Circuit Failure
C1882	Air Suspension RF Height Sensor Circuit Open
C1883	Air Suspension RF Height Sensor Short To Battery
C1884	Air Suspension RF Height Sensor Circuit Short To Ground
C1885	Air Suspension RR Height Sensor Circuit Failure
C1886	Air Suspension RR Height Sensor Circuit Open
C1887	Air Suspension RR Height Sensor Short To Battery
C1888	Air Suspension RR Height Sensor Circuit Short To Ground
C1889	Air Suspension LF Height Sensor Circuit Failure
C1890	Air Suspension LF Height Sensor Circuit Open
C1891	Air Suspension LF Height Sensor Short To Battery
C1892	Air Suspension LF Height Sensor Circuit Short To Ground
C1893	Air Suspension LR Height Sensor Circuit Failure
C1894	Air Suspension LR Height Sensor Circuit Open
C1895	Air Suspension LR Height Sensor Short To Battery
C1896	Air Suspension LR Height Sensor Circuit Short To Ground
C1897	Steering VAPS II Circuit Loop Failure
C1898	Steering VAPS II Circuit Loop Open
C1899	Steering VAPS II Circuit Loop Short To Battery
C1900	Steering VAPS II Circuit Loop Short To Ground
C1901	Ride Control RR Shock Actuator Circuit Failure
C1902	Ride Control RR Shock Actuator Circuit Open
C1903	Ride Control RR Shock Actuator Circuit Short To Battery
C1904	Ride Control RR Shock Actuator Circuit Short To Ground
C1905	Ride Control LR Shock Actuator Circuit Failure
C1906	Ride Control LR Shock Actuator Circuit Open
C1907	Ride Control LR Shock Actuator Circuit Short To Battery
C1908	Ride Control LR Shock Actuator Circuit Short To Ground
C1909	Ride Control RF Shock Actuator Circuit Failure
C1910	Ride Control RF Shock Actuator Circuit Open
C1911	Ride Control RF Shock Actuator Circuit Short To Battery
C1912	Ride Control RF Shock Actuator Circuit Short To Ground
C1913	Ride Control LF Shock Actuator Circuit Failure
C1914	Ride Control LF Shock Actuator Circuit Open
C1915	Ride Control LF Shock Actuator Circuit Short To Battery
C1916	Ride Control LF Shock Actuator Circuit Short To Ground
C1917	Steering EVO Out-of-Range Fault
C1918	Air Suspension Ride Height Select Switch Circuit Failure
C1920	Led #1 Circuit Failure
C1921	VAPS Solenoid Actuator Output Circuit Failure
C1922	VAPS Solenoid Actuator Output Circuit Open
C1923	VAPS Solenoid Actuator Output Circuit Short To Battery
C1924	VAPS Solenoid Actuator Output Circuit Short To Ground
C1925	VAPS Solenoid Actuator Return Circuit Failure
C1926	VAPS Solenoid Actuator Return Circuit Open
C1927	VAPS Solenoid Actuator Return Circuit Short To Battery
C1928	VAPS Solenoid Actuator Return Circuit Short To Ground
C1929	Air Suspension Front Compressor Relay Circuit Failure
C1930	Air Suspension Front Compressor Relay Circuit Open
C1931	Air Suspension Front Compressor Relay Circuit Short To Battery
C1932	Air Suspension Front Compressor Relay Circuit Short To Ground
C1933	Solenoid Current Out Of Range
C1934	HPU (Hydraulic Pump Unit) Pressurisation Failure
C1935	Chime Circuit Failure
C1936	Hydraulic Pump Relay Circuit Failure
C1937	Steering Wheel Angle Sensor Offset Failure
C1938	Invalid Steering Wheel Angle Sensor ID

C1939	Brake Pressure Switch Input Circuit Failure
C1940	Brake Pressure Switch Mechanical Failure
C1941	CODE 5941
C1942	Unrecognized Powertrain Configuration
C1943	Airbag Deployment Indication Input Fault
C1944	Gauge Driver Circuit Fault
C1945	Park Switch Indicates Park with Vehicle Moving
C1946	Seat Track Position Switch Circuit Open
C1947	Seat Track Position Switch Circuit Short to Ground
C1948	Seat Track Pos Switch Circuit Resistance Out of Range
C1949	Accelerometer Sensor Circuit Open
C1950	Accelerometer Sensor Circuit Failure
C1951	Lateral Accelerometer Sensor Circuit Open
C1952	Yaw Rate Sensor Circuit Open
C1953	Master Cylinder Pressure Sensor Circuit Open
C1954	Master Cylinder Pressure Sensor Circuit Failure
C1955	Steering Angle Sensor Circuit Open
C1956	Steering Angle Sensor Circuit Failure
C1957	Dynamic Stability Control Valve RF Circuit Failure
C1958	Dynamic Stability Control Valve LF Circuit Failure
C1959	Lateral Accelerometer Sensor Circuit Failure
C1960	Driver Brake Apply Circuit Fault
C1961	Park Lamp Relay Coil Circuit Failure
C1962	Park Lamp Relay Coil Short to Battery
C1963	Stability Control Inhibit Warning
C2767	Reserved - TBD
B0000	ISO/SAE reserved
B0001	Driver Frontal Stage 1 Deployment Control (Subfault)
B0002	Driver Frontal Stage 2 Deployment Control (Subfault)
B0003	Driver Frontal Stage 3 Deployment Control (Subfault)
B0004	Driver Knee Bolster Deployment Control (Subfault)
B0005	Collapsible Steering Column Deployment Control (Subfault)
B0006	ISO/SAE reserved
B0007	ISO/SAE reserved
B0008	ISO/SAE reserved
B0009	ISO/SAE reserved
B000A	ISO/SAE reserved
B000B	ISO/SAE reserved
B000C	ISO/SAE reserved
B000D	ISO/SAE reserved
B000E	ISO/SAE reserved
B000F	ISO/SAE reserved
B0010	Passenger Frontal Stage 1 Deployment Control (Subfault)
B0011	Passenger Frontal Stage 2 Deployment Control (Subfault)
B0012	Passenger Frontal Stage 3 Deployment Control (Subfault)
B0013	Passenger Knee Bolster Deployment Control (Subfault)
B0014	ISO/SAE reserved
B0015	ISO/SAE reserved
B0016	ISO/SAE reserved
B0017	ISO/SAE reserved
B0018	ISO/SAE reserved
B0019	ISO/SAE reserved
B001A	ISO/SAE reserved
B001B	ISO/SAE reserved
B001C	ISO/SAE reserved
B001D	ISO/SAE reserved
B001E	ISO/SAE reserved
B001F	ISO/SAE reserved
B0020	Left Side Airbag Deployment Control (Subfault)
B0021	Left Curtain Deployment Control 1 (Subfault)
B0022	Left Curtain Deployment Control 2 (Subfault)
B0023	ISO/SAE reserved
B0024	ISO/SAE reserved
B0025	ISO/SAE reserved
B0026	ISO/SAE reserved
B0027	ISO/SAE reserved

B0028	Right Side Airbag Deployment Control (Subfault)
B0029	Right Curtain Deployment Control 1 (Subfault)
B002A	Right Curtain Deployment Control 2 (Subfault)
B002B	ISO/SAE reserved
B002C	ISO/SAE reserved
B002D	ISO/SAE reserved
B002E	ISO/SAE reserved
B002F	ISO/SAE reserved
B0030	Second Row Left Side Airbag Deployment Control (Subfault)
B0031	Second Row Left Frontal Stage 1 Deployment Control (Subfault)
B0032	Second Row Left Frontal Stage 2 Deployment Control (Subfault)
B0033	Second Row Left Frontal Stage 3 Deployment Control (Subfault)
B0034	ISO/SAE reserved
B0035	ISO/SAE reserved
B0036	ISO/SAE reserved
B0037	ISO/SAE reserved
B0038	Second Row Right Side Airbag Deployment Control (Subfault)
B0039	Second Row Right Frontal Stage 1 Deployment Control (Subfault)
B003A	Second Row Right Frontal Stage 2 Deployment Control (Subfault)
B003B	Second Row Right Frontal Stage 3 Deployment Control (Subfault)
B003C	ISO/SAE reserved
B003D	ISO/SAE reserved
B003E	ISO/SAE reserved
B003F	ISO/SAE reserved
B0040	Third Row Left Side Airbag Deployment Control (Subfault)
B0041	Third Row Left Frontal Stage 1 Deployment Control (Subfault)
B0042	Third Row Left Frontal Stage 2 Deployment Control (Subfault)
B0043	Third Row Left Frontal Stage 3 Deployment Control (Subfault)
B0044	ISO/SAE reserved
B0045	ISO/SAE reserved
B0046	ISO/SAE reserved
B0047	ISO/SAE reserved
B0048	Third Row Right Side Airbag Deployment Control (Subfault)
B0049	Third Row Right Frontal Stage 1 Deployment Control (Subfault)
B004A	Third Row Right Frontal Stage 2 Deployment Control (Subfault)
B004B	Third Row Right Frontal Stage 3 Deployment Control (Subfault)
B004C	ISO/SAE reserved
B004D	ISO/SAE reserved
B004E	ISO/SAE reserved
B004F	ISO/SAE reserved
B0050	Driver Seatbelt Sensor (Subfault)
B0051	First Row Center Seatbelt Sensor (Subfault)
B0052	Passenger Seatbelt Sensor (Subfault)
B0053	Second Row Left Seatbelt Sensor (Subfault)
B0054	Second Row Center Seatbelt Sensor (Subfault)
B0055	Second Row Right Seatbelt Sensor (Subfault)
B0056	Third Row Left Seatbelt Sensor (Subfault)
B0057	Third Row Center Seatbelt Sensor (Subfault)
B0058	Third Row Right Seatbelt Sensor (Subfault)
B0059	ISO/SAE reserved
B005A	ISO/SAE reserved
B005B	ISO/SAE reserved
B005C	ISO/SAE reserved
B005D	ISO/SAE reserved
B005E	ISO/SAE reserved
B005F	ISO/SAE reserved
B0060	Driver Seatbelt Tension Sensor (Subfault)
B0061	Passenger Seatbelt tension Sensor (Subfault)
B0062	ISO/SAE reserved
B0063	ISO/SAE reserved
B0064	ISO/SAE reserved
B0065	ISO/SAE reserved
B0066	ISO/SAE reserved
B0067	ISO/SAE reserved
B0068	ISO/SAE reserved
B0069	ISO/SAE reserved

B006A	ISO/SAE reserved
B006B	ISO/SAE reserved
B006C	ISO/SAE reserved
B006D	ISO/SAE reserved
B006E	ISO/SAE reserved
B006F	ISO/SAE reserved
B0070	Driver Seatbelt Pretensioner Deployment Control (Subfault)
B0071	First Row Center Seatbelt Pretensioner Deployment Control (Subfault)
B0072	Passenger Seatbelt Pretensioner Deployment Control (Subfault)
B0073	Second Row Left Seatbelt Pretensioner Deployment Control (Subfault)
B0074	Second Row Center Seatbelt Pretensioner Deployment Control (Subfault)
B0075	Second Row Right Seatbelt Pretensioner Deployment Control (Subfault)
B0076	Third Row Left Seatbelt Pretensioner Deployment Control (Subfault)
B0077	Third Row Center Seatbelt Pretensioner Deployment Control (Subfault)
B0078	Third Row Right Seatbelt Pretensioner Deployment Control (Subfault)
B0079	ISO/SAE reserved
B007A	ISO/SAE reserved
B007B	ISO/SAE reserved
B007C	ISO/SAE reserved
B007D	ISO/SAE reserved
B007E	ISO/SAE reserved
B007F	ISO/SAE reserved
B0080	Driver Seatbelt Load Limiter Deployment Control (Subfault)
B0081	First Row Center Seatbelt Load Limiter Deployment Control (Subfault)
B0082	Passenger Seatbelt Load Limiter Deployment Control (Subfault)
B0083	Second Row Left Seatbelt Load Limiter Deployment Control (Subfault)
B0084	Second Row Center Seatbelt Load Limiter Deployment Control (Subfault)
B0085	Second Row Right Seatbelt Load Limiter Deployment Control (Subfault)
B0086	Third Row Left Seatbelt Load Limiter Deployment Control (Subfault)
B0087	Third Row Center Seatbelt Load Limiter Deployment Control (Subfault)
B0088	Third Row Right Seatbelt Load Limiter Deployment Control (Subfault)
B0089	ISO/SAE reserved
B008A	ISO/SAE reserved
B008B	ISO/SAE reserved
B008C	ISO/SAE reserved
B008D	ISO/SAE reserved
B008E	ISO/SAE reserved
B008F	ISO/SAE reserved
B0090	Left Frontal Restraints Sensor (Subfault)
B0091	Left Side Restraints Sensor 1 (Subfault)
B0092	Left Side Restraints Sensor 2 (Subfault)
B0093	Left Side Restraints Sensor 3 (Subfault)
B0094	Center Frontal Restraints Sensor (Subfault)
B0095	Right Frontal Restraints Sensor (Subfault)
B0096	Right Frontal Restraints Sensor 1 (Subfault)
B0097	Right Frontal Restraints Sensor 2 (Subfault)
B0098	Right Frontal Restraints Sensor 3 (Subfault)
B0099	Roll Over Sensor (Subfault)
B009A	ISO/SAE reserved
B009B	ISO/SAE reserved
B009C	ISO/SAE reserved
B009D	ISO/SAE reserved
B009E	ISO/SAE reserved
B009F	ISO/SAE reserved
B00A0	Occupant Classification System (Subfault)
B00A1	Occupant Position System (Subfault)
B00A2	ISO/SAE reserved
B00A3	ISO/SAE reserved
B00A4	ISO/SAE reserved
B00A5	ISO/SAE reserved
B00A6	ISO/SAE reserved
B00A7	ISO/SAE reserved
B00A8	ISO/SAE reserved
B00A9	ISO/SAE reserved
B00AA	ISO/SAE reserved
B00AB	ISO/SAE reserved

B00AC	ISO/SAE reserved
B00AD	ISO/SAE reserved
B00AE	ISO/SAE reserved
B00AF	ISO/SAE reserved
B00B0	Driver Seat Occupant Classification Sensor A (Subfault)
B00B1	Driver Seat Occupant Classification Sensor B (Subfault)
B00B2	Driver Seat Occupant Classification Sensor C (Subfault)
B00B3	Driver Seat Occupant Classification Sensor D (Subfault)
B00B4	Driver Seat Occupant Classification Sensor E (Subfault)
B00B5	Driver Seat Track Position Restraints Sensor (Subfault)
B00B6	Driver Seat Recline Position Restraints Sensor (Subfault)
B00B7	Driver Seat Occupant Position Sensor A (Subfault)
B00B8	Driver Seat Occupant Position Sensor B (Subfault)
B00B9	Driver Seat Occupant Position Sensor C (Subfault)
B00BA	Driver Seat Occupant Position Sensor D (Subfault)
B00BB	Driver Seat Occupant Position Sensor E (Subfault)
B00BC	ISO/SAE reserved
B00BD	ISO/SAE reserved
B00BE	ISO/SAE reserved
B00BF	ISO/SAE reserved
B00C0	Passenger Seat Occupant Classification Sensor A (Subfault)
B00C1	Passenger Seat Occupant Classification Sensor B (Subfault)
B00C2	Passenger Seat Occupant Classification Sensor C (Subfault)
B00C3	Passenger Seat Occupant Classification Sensor D (Subfault)
B00C4	Passenger Seat Occupant Classification Sensor E (Subfault)
B00C5	Passenger Seat Track Position Restraints Sensor (Subfault)
B00C6	Passenger Seat Recline Position Restraints Sensor (Subfault)
B00C7	Passenger Seat Occupant Position Sensor A (Subfault)
B00C8	Passenger Seat Occupant Position Sensor B (Subfault)
B00C9	Passenger Seat Occupant Position Sensor C (Subfault)
B00CA	Passenger Seat Occupant Position Sensor D (Subfault)
B00CB	Passenger Seat Occupant Position Sensor E (Subfault)
B00CC	ISO/SAE reserved
B00CD	ISO/SAE reserved
B00CE	ISO/SAE reserved
B00CF	ISO/SAE reserved
B00D0	Driver Seatbelt Indicator (Subfault)
B00D1	Passenger Seatbelt Indicator (Subfault)
B00D2	Restraint System Malfunction Indicator 1 (Subfault)
B00D3	Restraint System Malfunction Indicator 2 (Subfault)
B00D4	Restraint System Malfunction Audible Indicator (Subfault)
B00D5	Restraint System Passenger Disable Indicator (Subfault)
B00D6	ISO/SAE reserved
B00D7	ISO/SAE reserved
B00D8	ISO/SAE reserved
B00D9	ISO/SAE reserved
B00DA	ISO/SAE reserved
B00DB	ISO/SAE reserved
B00DC	ISO/SAE reserved
B00DE	ISO/SAE reserved
B00DF	Passenger Restraints Disable Switch (Subfault)
B00E0	ISO/SAE reserved
B00E1	ISO/SAE reserved
B00E2	ISO/SAE reserved
B00E3	ISO/SAE reserved
B00E4	ISO/SAE reserved
B00E5	ISO/SAE reserved
B00E6	ISO/SAE reserved
B00E7	ISO/SAE reserved
B00E8	ISO/SAE reserved
B00E9	ISO/SAE reserved
B00EA	ISO/SAE reserved
B00EB	ISO/SAE reserved
B00EF	ISO/SAE reserved
B00F0	ISO/SAE reserved
B00F1	ISO/SAE reserved

B00F2	ISO/SAE reserved
B00F3	ISO/SAE reserved
B00F4	ISO/SAE reserved
B00F5	ISO/SAE reserved
B00F6	ISO/SAE reserved
B00F7	ISO/SAE reserved
B00F8	ISO/SAE reserved
B00F9	ISO/SAE reserved
B00FA	ISO/SAE reserved
B00FB	ISO/SAE reserved
B00FC	ISO/SAE reserved
B00FD	ISO/SAE reserved
B00FE	ISO/SAE reserved
B00FF	ISO/SAE reserved
B1200	Climate Control Pushbutton Circuit Failure
B1201	Fuel Sender Circuit Failure
B1202	Fuel Sender Circuit Open
B1203	Fuel Sender Circuit Short To Battery
B1204	Fuel Sender Circuit Short To Ground
B1205	EIC Switch-1 Assembly Circuit Failure
B1206	EIC Switch-1 Assembly Circuit Open
B1207	EIC Switch-1 Assembly Circuit Short To Battery
B1208	EIC Switch-1 Assembly Circuit Short To Ground
B1209	EIC Switch-2 Assembly Circuit Failure
B1210	EIC Switch-2 Assembly Circuit Open
B1211	EIC Switch-2 Assembly Circuit Short To Battery
B1212	EIC Switch-2 Assembly Circuit Short To Ground
B1213	Anti-Theft Number of Programmed Keys Is Below Minimum
B1214	Running Board Lamp Circuit Failure
B1215	Running Board Lamp Circuit Short to Battery
B1216	Emergency&Road Side Assistance Switch Short to Ground
B1217	Horn Relay Coil Circuit Failure
B1218	Horn Relay Coil Circuit Short to Vbatt
B1219	Fuel Tank Pressure Sensor Circuit Failure
B1220	Fuel Tank Pressure Sensor Circuit Open
B1222	Fuel Temperature Sensor #1 Circuit Failure
B1223	Fuel Temperature Sensor #1 Circuit Open
B1224	Fuel Temperature Sensor #1 Circuit Short to Battery
B1225	Fuel Temperature Sensor #1 Circuit Short to Ground
B1226	Fuel Temperature Sensor #2 Circuit Failure
B1227	Fuel Temperature Sensor #2 Circuit Open
B1228	Fuel Temperature Sensor #2 Circuit Short to Battery
B1229	Fuel Temperature Sensor #2 Circuit Short to Ground
B1231	Longitudinal Acceleration Threshold Exceeded
B1232	See Manufacturer
B1233	Glass Break Sensor Failure
B1234	Mirror Switch Invalid Code
B1235	Window Feedback Failure
B1236	Window Feedback Loss of Signal
B1237	Window Feedback Out of Range
B1238	Over Temperature Fault
B1239	Air Flow Blend Door Driver Circuit Failure
B1240	Wiper Washer Rear Pump Relay Circuit Failure
B1241	Wiper Washer Rear Pump Relay Circuit Short to Battery
B1242	Air Flow Recirculation Door Driver Circuit Failure
B1243	Express Window Down Switch Circuit Short to Battery
B1244	Wiper Rear Motor Run Relay Circuit Failure
B1245	Wiper Rear Motor Run Relay Circuit Short to Battery
B1246	Dim Panel Potentiometer Switch Circuit Failure
B1247	Panel Dim Switch Circuit Open
B1248	Passenger-Seatback Autoglide Rearward SW Short to GND
B1249	Blend Door Failure
B1250	Air Temperature Internal Sensor Circuit Failure
B1251	Air Temperature Internal Sensor Circuit Open
B1252	Air Temperature Internal Sensor Short To Battery
B1253	Air Temperature Internal Sensor Short To Ground

B1254	Air Temperature External Sensor Circuit Failure
B1255	Air Temperature External Sensor Circuit Open
B1256	Air Temperature External Sensor Short To Battery
B1257	Air Temperature External Sensor Short To Ground
B1258	Solar Radiation Sensor Circuit Failure
B1259	Solar Radiation Sensor Circuit Open
B1260	Solar Radiation Sensor Circuit Short To Battery
B1261	Solar Radiation Sensor Circuit Short To Ground
B1262	Servo Motor Defrost Circuit Failure
B1263	Servo Motor Vent Circuit Failure
B1264	Servo Motor Foot Circuit Failure
B1265	Servo Motor Coolair Bypass Circuit Failure
B1266	Servo Motor Airintake Left Circuit Failure
B1267	Servo Motor Airintake Right Circuit Failure
B1268	Servo Motor Potentiometer Defrost Circuit Failure
B1269	Servo Motor Potentiometer Defrost Circuit Open
B1270	Servo Motor Potentiometer Defrost Circuit Short To B+
B1271	Servo Motor Potentiometer Defrost Circuit Short To GND
B1272	Servo Motor Potentiometer Vent Circuit Failure
B1273	Servo Motor Potentiometer Vent Circuit Open
B1274	Servo Motor Potentiometer Vent Circuit Short To Battery
B1275	Servo Motor Potentiometer Vent Circuit Short To Ground
B1276	Servo Motor Potentiometer Foot Circuit Failure
B1277	Servo Motor Potentiometer Foot Circuit Open
B1278	Servo Motor Potentiometer Foot Circuit Short To Battery
B1279	Servo Motor Potentiometer Foot Circuit Short To Ground
B1280	Servo Motor Potentiometer Coolair Circuit Failure
B1281	Servo Motor Potentiometer Coolair Circuit Open
B1282	Servo Motor Potentiometer Coolair Short To Battery
B1283	Servo Motor Potentiometer Coolair Short To Ground
B1284	Servo Motor Potentiometer Airintake Left Circuit Fail
B1285	Servo Motor Potentiometer Airintake Left Circuit Open
B1286	Servo Motor Potentiometer Airintake Left Short To B+
B1287	Servo Motor Potentiometer Airintake Left Short To GND
B1288	Servo Motor Potentiometer Airintake Right Circuit Fail
B1289	Servo Motor Potentiometer Airintake Right Circuit Open
B1290	Servo Motor Potentiometer Airintake Right Short To B+
B1291	Servo Motor Potentiometer Airintake Right Short To GND
B1292	Battery Power Relay Circuit Failure
B1293	Battery Power Relay Circuit Open
B1294	Battery Power Relay Circuit Short To Battery
B1295	Battery Power Relay Circuit Short To Ground
B1296	Power Supply Sensor Circuit Failure
B1297	Power Supply Sensor Circuit Open
B1298	Power Supply Sensor Circuit Short To Battery
B1299	Power Supply Sensor Circuit Short To Ground
B1300	Power Door Lock Circuit Failure
B1301	Power Door Lock Circuit Open
B1302	Accessory Delay Relay Coil Circuit Failure
B1303	Accessory Delay Relay Coil Circuit Open
B1304	Accessory Delay Relay Coil Circuit Short To Battery
B1305	Accessory Delay Relay Coil Circuit Short To Ground
B1306	Oil Level Switch Circuit Open
B1307	Oil Level Switch Circuit Short To Battery
B1308	Oil Level Switch Circuit Short To Ground
B1309	Power Door Lock Circuit Short To Ground
B1310	Power Door Unlock Circuit Failure
B1311	Power Door Unlock Circuit Open
B1312	Lamp Headlamp Input Circuit Short To Battery
B1313	Battery Saver Relay Coil Circuit Failure
B1314	Battery Saver Relay Coil Circuit Open
B1315	Battery Saver Relay Coil Circuit Short To Battery
B1316	Battery Saver Relay Coil Circuit Short To Ground
B1317	Battery Voltage High
B1318	Battery Voltage Low
B1319	Driver Door Ajar Circuit Failure

B1320	Driver Door Ajar Circuit Open
B1321	Driver Door Ajar Circuit Short To Battery
B1322	Driver Door Ajar Circuit Short To Ground
B1323	Door Ajar Lamp Circuit Failure
B1324	Door Ajar Lamp Circuit Open
B1325	Door Ajar Lamp Circuit Short To Battery
B1326	Door Ajar Lamp Circuit Short To Ground
B1327	Passenger Door Ajar Circuit Failure
B1328	Passenger Door Ajar Circuit Open
B1329	Passenger Door Ajar Circuit Short To Battery
B1330	Passenger Door Ajar Circuit Short To Ground
B1331	Decklid Ajar Rear Door Circuit Failure
B1332	Decklid Ajar Rear Door Circuit Open
B1333	Decklid Ajar Rear Door Circuit Short To Battery
B1334	Decklid Ajar Rear Door Circuit Short To Ground
B1335	Door Ajar RR Circuit Failure
B1336	Door Ajar RR Circuit Open
B1337	Door Ajar RR Circuit Short To Battery
B1338	Door Ajar RR Circuit Short To Ground
B1339	Chime Input Request Circuit Short To Battery
B1340	Chime Input Request Circuit Short To Ground
B1341	Power Door Unlock Circuit Short To Ground
B1342	ECU Is Defective
B1343	Heated Backlite Input Circuit Failure
B1344	Heated Backlite Input Circuit Open
B1345	Heated Backlite Input Circuit Short To Ground
B1346	Heated Backlite Input Circuit Short To Battery
B1347	Heated Backlite Relay Circuit Failure
B1348	Heated Backlite Relay Circuit Open
B1349	Heated Backlite Relay Short To Battery
B1350	Heated Backlite Relay Short To Ground
B1351	Ignition Key-In Circuit Short To Battery
B1352	Ignition Key-In Circuit Failure
B1353	Ignition Key-In Circuit Open
B1354	Ignition Key-In Circuit Short To Ground
B1355	Ignition Run Circuit Failure
B1356	Ignition Run Circuit Open
B1357	Ignition Run Circuit Short To Battery
B1358	Ignition Run Circuit Short To Ground
B1359	Ignition Run/Acc Circuit Failure
B1360	Ignition Run/Acc Circuit Open
B1361	Ignition Run/Acc Circuit Short To Battery
B1362	Ignition Run/Acc Circuit Short To Ground
B1363	Ignition Start Circuit Failure
B1364	Ignition Start Circuit Open
B1365	Ignition Start Circuit Short To Battery
B1366	Ignition Start Circuit Short To Ground
B1367	Ignition Tach Circuit Failure
B1368	Ignition Tach Circuit Open
B1369	Ignition Tach Circuit Short To Battery
B1370	Ignition Tach Circuit Short To Ground
B1371	Illuminated Entry Relay Circuit Failure
B1372	Illuminated Entry Relay Circuit Open
B1373	Illuminated Entry Relay Short To Battery
B1374	Illuminated Entry Relay Short To Ground
B1375	Oil Change Lamp Circuit Open
B1376	Oil Change Lamp Circuit Short To Battery
B1377	Oil Change Lamp Circuit Failure
B1378	Oil Change Lamp Circuit Short To Ground
B1379	Oil Change Reset Button Circuit Short To Ground
B1380	Oil Change Reset Button Circuit Failure
B1381	Oil Change Reset Button Circuit Open
B1382	Oil Change Reset Button Circuit Short To Battery
B1383	Oil Level Lamp Circuit Short To Battery
B1384	Oil Level Lamp Circuit Failure
B1385	Oil Level Lamp Circuit Open

B1386	Oil Level Lamp Circuit Short To Ground
B1387	Oil Temperature Sensor Circuit Open
B1388	Oil Temperature Sensor Circuit Short To Battery
B1389	Oil Temperature Sensor Circuit Failure
B1390	Oil Temperature Sensor Circuit Short To Ground
B1391	Oil Level Switch Circuit Failure
B1392	Power Door Memory Lock Relay Circuit Failure
B1393	Power Door Memory Lock Relay Circuit Open
B1394	Power Door Memory Lock Relay Circuit Short To Battery
B1395	Power Door Memory Lock Relay Circuit Short To Ground
B1396	Power Door Lock Circuit Short To Battery
B1397	Power Door Unlock Circuit Short To Battery
B1398	Driver Power Window One Touch Window Relay Circuit Fail
B1399	Driver Power Window One Touch Window Relay Circuit Open
B1400	Driver Power Window One Touch Window Relay Short To B+
B1401	Driver Power Window One Touch Window Relay Short To GND
B1402	Driver Power Window Down Switch Circuit Failure
B1403	Driver Power Window Up Switch Circuit Failure
B1404	Driver Power Window Down Circuit Open
B1405	Driver Power Window Down Circuit Short To Battery
B1406	Driver Power Window Down Circuit Short To Ground
B1407	Driver Power Window Up Circuit Open
B1408	Driver Power Window Up Circuit Short To Battery
B1409	Driver Power Window Up Circuit Short To Ground
B1410	Driver Power Window Motor Circuit Failure
B1411	Driver Power Window Motor Circuit Open
B1412	Driver Power Window Motor Circuit Short To Battery
B1413	Driver Power Window Motor Circuit Short To Ground
B1414	Power Window LR Motor Circuit Failure
B1415	Power Window LR Motor Circuit Open
B1416	Power Window LR Motor Circuit Short To Battery
B1417	Power Window LR Motor Circuit Short To Ground
B1418	Passenger Power Window Motor Circuit Failure
B1419	Passenger Power Window Motor Circuit Open
B1420	Passenger Power Window Motor Circuit Short To Battery
B1421	Passenger Power Window Motor Circuit Short To Ground
B1422	Power Window RR Motor Circuit Failure
B1423	Power Window RR Motor Circuit Open
B1424	Power Window RR Motor Circuit Short To Battery
B1425	Power Window RR Motor Circuit Short To Ground
B1426	Lamp Seat Belt Circuit Short To Battery
B1427	Lamp Seat Belt Circuit Open
B1428	Lamp Seat Belt Circuit Failure
B1429	Lamp Seat Belt Circuit Short To Ground
B1430	Seat Belt Switch Circuit Short To Ground
B1431	Wiper Brake/Run Relay Circuit Failure
B1432	Wiper Brake/Run Relay Circuit Short To Battery
B1433	Wiper Brake/Run Relay Circuit Short To Ground
B1434	Wiper Hi/Low Speed Relay Coil Circuit Failure
B1435	Wiper Hi/Low Speed Relay Coil Circuit Open
B1436	Wiper Hi/Low Speed Relay Coil Circuit Short To Battery
B1437	Wiper Hi/Low Speed Relay Coil Circuit Short To Ground
B1438	Wiper Mode Select Switch Circuit Failure
B1439	Wiper Mode Select Switch Circuit Open
B1440	Wiper Mode Select Switch Circuit Short To Battery
B1441	Wiper Mode Select Switch Circuit Short To Ground
B1442	Door Handle Switch Circuit Failure
B1443	Door Handle Switch Circuit Open
B1444	Door Handle Switch Circuit Short To Battery
B1445	Door Handle Switch Circuit Short To Ground
B1446	Wiper Park Sense Circuit Failure
B1447	Wiper Park Sense Circuit Open
B1448	Wiper Park Sense Circuit Short To Battery
B1449	Wiper Park Sense Circuit Short To Ground
B1450	Wiper Wash/Delay Switch Circuit Failure
B1451	Wiper Wash/Delay Switch Circuit Open

B1452	Wiper Wash/Delay Switch Circuit Short To Battery
B1453	Wiper Wash/Delay Switch Circuit Short To Ground
B1454	Wiper Washer Fluid Lamp Circuit Failure
B1455	Wiper Washer Fluid Lamp Circuit Open
B1456	Wiper Washer Fluid Lamp Circuit Short To Battery
B1457	Wiper Washer Fluid Lamp Circuit Short To Ground
B1458	Wiper Washer Pump Motor Relay Circuit Failure
B1459	Wiper Washer Pump Motor Relay Coil Circuit Open
B1460	Wiper Washer Pump Motor Relay Coil Circuit Short To B+
B1461	Wiper Washer Pump Motor Relay Coil Circuit Short To GND
B1462	Seat Belt Switch Circuit Failure
B1463	Seat Belt Switch Circuit Open
B1464	Seat Belt Switch Circuit Short To Battery
B1465	Wiper Brake/Run Relay Circuit Open
B1466	Wiper Hi/Low Speed Not Switching
B1467	Wiper Hi/Low Speed Circuit Motor Short To Battery
B1468	Chime Input Request Circuit Failure
B1469	Chime Input Request Circuit Open
B1470	Lamp Headlamp Input Circuit Failure
B1471	Lamp Headlamp Input Circuit Open
B1472	Lamp Headlamp Input Circuit Short To Ground
B1473	Wiper Low Speed Circuit Motor Failure
B1474	Battery Saver Power Relay Circuit Short To Battery
B1475	Accessory Delay Relay Contact Short To Battery
B1476	Wiper High Speed Circuit Motor Failure
B1477	Wiper Hi/Low Circuit Motor Short To Ground
B1478	Power Window One Touch Up/Down Activated Simultaneously
B1479	Wiper Washer Fluid Level Sensor Circuit Failure
B1480	Wiper Washer Fluid Level Sensor Circuit Open
B1481	Wiper Washer Fluid Level Sensor Circuit Short To Batt
B1482	Wiper Washer Fluid Level Sensor Circuit Short To Ground
B1483	Brake Pedal Input Circuit Failure
B1484	Brake Pedal Input Open Circuit
B1485	Brake Pedal Input Circuit Battery Short
B1486	Brake Pedal Input Circuit Ground Short
B1487	Door Handle Right Front Circuit Failure
B1488	Door Handle Right Front Circuit Open
B1489	Door Handle Right Front Short To Battery
B1490	Door Handle Right Front Short To Ground
B1491	Ignition Cylinder Sensor Circuit Failure
B1492	Ignition Cylinder Sensor Open Circuit
B1493	Ignition Cylinder Sensor Battery Short
B1494	Ignition Cylinder Sensor Ground Short
B1495	Decklid Punch-Out Sensor Circuit Failure
B1496	Decklid Punch-Out Sensor Open Circuit
B1497	Decklid Punch-Out Sensor Battery Short
B1498	Decklid Punch-Out Sensor Ground Short
B1499	Lamp Turn Signal Left Circuit Failure
B1500	Lamp Turn Signal Left Circuit Open
B1501	Lamp Turn Signal Left Circuit Short To Battery
B1502	Lamp Turn Signal Left Circuit Short To Ground
B1503	Lamp Turn Signal Right Circuit Failure
B1504	Lamp Turn Signal Right Circuit Open
B1505	Lamp Turn Signal Right Circuit Short To Battery
B1506	Lamp Turn Signal Right Circuit Short To Ground
B1507	Flash To Pass Switch Circuit Failure
B1508	Flash To Pass Switch Circuit Open
B1509	Flash To Pass Switch Circuit Short To Battery
B1510	Flash To Pass Switch Circuit Short To Ground
B1511	Driver Door Handle Circuit Failure
B1512	Driver Door Handle Circuit Open
B1513	Driver Door Handle Circuit Short To Battery
B1514	Driver Door Handle Circuit Short To Ground
B1515	Seat Driver Occupied Switch Circuit Failure
B1516	Seat Driver Occupied Switch Circuit Open
B1517	Seat Driver Occupied Switch Circuit Short To Battery

B1518	Seat Driver Occupied Switch Circuit Short To Ground
B1519	Hood Switch Circuit Failure
B1520	Hood Switch Circuit Open
B1521	Hood Switch Circuit Short To Battery
B1522	Hood Switch Circuit Short To Ground
B1523	Keyless Entry Circuit Failure
B1524	Keyless Entry Circuit Open
B1525	Keyless Entry Circuit Short To Battery
B1526	Keyless Entry Circuit Short To Ground
B1527	Memory Set Switch Circuit Failure
B1528	Memory Set Switch Circuit Open
B1529	Memory Set Switch Circuit Short To Battery
B1530	Memory Set Switch Circuit Short To Ground
B1531	Memory 1 Switch Circuit Failure
B1532	Memory 1 Switch Circuit Open
B1533	Memory 1 Switch Circuit Short To Battery
B1534	Memory 1 Switch Circuit Short To Ground
B1535	Memory 2 Switch Circuit Failure
B1536	Memory 2 Switch Circuit Open
B1537	Memory 2 Switch Circuit Short To Battery
B1538	Memory 2 Switch Circuit Short To Ground
B1539	Mirror Driver Switch Assembly Circuit Failure
B1540	Mirror Driver Switch Assembly Circuit Open
B1541	Mirror Driver Switch Assembly Circuit Short To Battery
B1542	Mirror Driver Switch Assembly Circuit Short To Ground
B1543	Seat Direction Switch Assembly Circuit Failure
B1544	Seat Direction Switch Assembly Circuit Open
B1545	Seat Direction Switch Assembly Circuit Short To Battery
B1546	Seat Direction Switch Assembly Circuit Short To Ground
B1547	Power Window Master Circuit Failure
B1548	Power Window Master Circuit Open
B1549	Power Window Master Circuit Short To Battery
B1550	Power Window Master Circuit Short To Ground
B1551	Decklid Release Circuit Failure
B1552	Decklid Release Circuit Open
B1553	Decklid Release Circuit Short To Battery
B1554	Decklid Release Circuit Short To Ground
B1555	Ignition Run/Start Circuit Failure
B1556	Ignition Run/Start Circuit Open
B1557	Ignition Run/Start Circuit Short To Battery
B1558	Ignition Run/Start Circuit Short To Ground
B1559	Door Lock Cylinder Circuit Failure
B1560	Door Lock Cylinder Circuit Open
B1561	Door Lock Cylinder Circuit Short To Battery
B1562	Door Lock Cylinder Circuit Short To Ground
B1563	Door Ajar Circuit Failure
B1564	Door Ajar Circuit Open
B1565	Door Ajar Circuit Short To Battery
B1566	Door Ajar Circuit Short To Ground
B1567	Lamp Headlamp High-Beam Circuit Failure
B1568	Lamp Headlamp High-Beam Circuit Open
B1569	Lamp Headlamp High-Beam Circuit Short To Battery
B1570	Lamp Headlamp High-Beam Circuit Short To Ground
B1571	Door Ajar LR Circuit Failure
B1572	Door Ajar LR Circuit Open
B1573	Door Ajar LR Circuit Short To Battery
B1574	Door Ajar LR Circuit Short To Ground
B1575	Lamp Park Input Circuit Failure
B1576	Lamp Park Input Circuit Open
B1577	Lamp Park Input Circuit Short To Battery
B1578	Lamp Park Input Circuit Short To Ground
B1579	Dim Panel Increase Input Circuit Failure
B1580	Dim Panel Increase Input Circuit Open
B1581	Dim Panel Increase Input Circuit Short To Battery
B1582	Dim Panel Increase Input Circuit Short To Ground
B1583	Dim Panel Decrease Input Circuit Failure

B1584	Dim Panel Decrease Input Circuit Open
B1585	Dim Panel Decrease Input Circuit Short To Battery
B1586	Dim Panel Decrease Input Circuit Short To Ground
B1587	Autolamp Delay Increase Circuit Failure
B1588	Autolamp Delay Increase Circuit Open
B1589	Autolamp Delay Increase Circuit Short To Battery
B1590	Autolamp Delay Increase Circuit Short To Ground
B1591	Autolamp Delay Decrease Circuit Failure
B1592	Autolamp Delay Decrease Circuit Open
B1593	Autolamp Delay Decrease Circuit Short To Battery
B1594	Autolamp Delay Decrease Circuit Short To Ground
B1595	Ignition Switch Illegal Input Code
B1596	Service Continuous Codes
B1597	Driver-Seat Seatback Autoglide Forward SW Short to GND
B1598	Driver-Seat Seatback Autoglide Rearward SW Short to GND
B1599	Passenger-Seatback Autoglide Forward SW Short to GND
B1600	PATS Ignition Key Transponder Signal Is Not Received
B1601	PATS Received Incorrect Key-Code From Ign Key Transpond
B1602	PATS Received In valid Format Of Key-Code From Ign Key
B1603	Lamp Anti-Theft Indicator Circuit Failure
B1604	Lamp Anti-Theft Indicator Circuit Open
B1605	Lamp Anti-Theft Indicator Circuit Short To Battery
B1606	Lamp Anti-Theft Indicator Circuit Short To Ground
B1607	Illuminated Entry Input Circuit Failure
B1608	Illuminated Entry Input Open Circuit
B1609	Illuminated Entry Input Short Circuit To Battery
B1610	Illuminated Entry Input Short Circuit To Ground
B1611	Wiper Rear Mode Select Switch Circuit Failure
B1612	Wiper Rear Mode Select Switch Circuit Open
B1613	Wiper Rear Mode Select Switch Circuit Short To Battery
B1614	Wiper Rear Mode Select Switch Circuit Short To Ground
B1615	Wiper Rear Disable Switch Circuit Failure
B1616	Wiper Rear Disable Switch Circuit Open
B1617	Wiper Rear Disable Switch Circuit Short To Battery
B1618	Wiper Rear Disable Switch Circuit Short To Ground
B1619	Wiper Rear Low Limit Input Circuit Failure
B1620	Wiper Rear Low Limit Input Circuit Open
B1621	Wiper Rear Low Limit Input Circuit Short To Battery
B1622	Wiper Rear Low Limit Input Circuit Short To Ground
B1623	Lamp Keypad Output Circuit Failure
B1624	Lamp Keypad Output Open Circuit
B1625	Lamp Keypad Output Short Circuit To Battery
B1626	Lamp Keypad Output Short Circuit To Ground
B1627	PRNDL Reverse Input Circuit Failure
B1628	PRNDL Reverse Input Open Circuit
B1629	PRNDL Reverse Input Short To Battery
B1630	PRNDL Reverse Input Short Circuit To Ground
B1631	Mirror Driver Left Circuit Failure
B1632	Mirror Driver Left Circuit Open
B1633	Mirror Driver Left Circuit Short To Battery
B1634	Mirror Driver Left Circuit Short To Ground
B1635	Mirror Driver Right Circuit Failure
B1636	Mirror Driver Right Circuit Open
B1637	Mirror Driver Right Circuit Short To Battery
B1638	Mirror Driver Right Short To Ground
B1639	Mirror Passenger Left Circuit Failure
B1640	Mirror Passenger Left Circuit Open
B1641	Mirror Passenger Left Circuit Short To Battery
B1642	Mirror Passenger Left Circuit Short To Ground
B1643	Mirror Passenger Right Circuit Failure
B1644	Mirror Passenger Right Circuit Open
B1645	Mirror Passenger Right Circuit Short To Battery
B1646	Mirror Passenger Right Circuit Short To Ground
B1647	Seat Driver Recline Forward Circuit Failure
B1648	Seat Driver Recline Forward Circuit Open
B1649	Seat Driver Recline Forward Circuit Short To Battery

B1650	Seat Driver Recline Forward Circuit Short To Ground
B1651	Seat Driver Recline Backward Circuit Failure
B1652	Seat Driver Recline Backward Circuit Open
B1653	Seat Driver Recline Backward Circuit Short To Battery
B1654	Seat Driver Recline Backward Circuit Short To Ground
B1655	Seat Driver Rear Up Circuit Failure
B1656	Seat Driver Rear Up Circuit Open
B1657	Seat Driver Rear Up Circuit Short To Battery
B1658	Seat Driver Rear Up Circuit Short To Ground
B1659	Seat Driver Front Up Circuit Failure
B1660	Seat Driver Front Up Circuit Open
B1661	Seat Driver Front Up Circuit Short To Battery
B1662	Seat Driver Front Up Circuit Short To Ground
B1663	Seat Driver Front Up/Down Motor Stalled
B1664	Seat Driver Rear Up/Down Motor Stalled
B1665	Seat Driver Forward/Backward Motor Stalled
B1666	Seat Driver Recline Motor Stalled
B1667	Mirror Driver Up/Down Motor Stalled
B1668	Mirror Driver Right/Left Motor Stalled
B1669	Mirror Passenger Up/Down Motor Stalled
B1670	Mirror Passenger Right/Left Motor Stalled
B1671	Battery Module Voltage Out Of Range
B1672	Seat Driver Occupied Input Circuit Failure
B1673	Seat Driver Occupied Input Circuit Open
B1674	Seat Driver Occupied Input Circuit Short To Battery
B1675	Seat Driver Occupied Input Circuit Short To Ground
B1676	Battery Pack Voltage Out Of Range
B1677	Alarm Panic Input Circuit Failure
B1678	Alarm Panic Input Circuit Open
B1679	Alarm Panic Input Circuit Short To Battery
B1680	Alarm Panic Input Circuit Short To Ground
B1681	PATS Transceiver Module Signal Is Not Received
B1682	PATS Is Disabled(Check Link Between PATS & Transponder)
B1683	Mirror Driver/Passenger Switch Circuit Failure
B1684	Mirror Driver/Passenger Switch Circuit Open
B1685	Lamp Dome Input Circuit Failure
B1686	Lamp Dome Input Circuit Open
B1687	Lamp Dome Input Circuit Short To Battery
B1688	Lamp Dome Input Circuit Short To Ground
B1689	Autolamp Delay Circuit Failure
B1690	Autolamp Delay Circuit Open
B1691	Autolamp Delay Circuit Short To Battery
B1692	Autolamp Delay Circuit Short To Ground
B1693	Autolamp On Circuit Failure
B1694	Autolamp On Circuit Open
B1695	Autolamp On Circuit Short To Battery
B1696	Autolamp On Circuit Short To Ground
B1697	Mirror Driver/Passenger Switch Circuit Short To Batt
B1698	Mirror Driver/Passenger Switch Circuit Short To GND
B1699	Passenger's Seat Occupied Switch Short to Ground
B1700	Passenger's Seatbelt Tension Reducer Short to Ground
B1701	Seat Driver Recline Forward Switch Circuit Failure
B1702	Seat Driver Recline Forward Switch Circuit Open
B1703	Seat Driver Recline Forward Switch Short To Battery
B1704	Seat Driver Recline Forward Switch Short To Ground
B1705	Seat Driver Recline Rearward Switch Circuit Failure
B1706	Seat Driver Recline Rearward Switch Circuit Open
B1707	Seat Driver Recline Rearward Switch Short To Battery
B1708	Seat Driver Recline Rearward Switch Short To Ground
B1709	Seat Driver Front Up Switch Circuit Failure
B1710	Seat Driver Front Up Switch Circuit Open
B1711	Seat Driver Front Up Switch Circuit Short To Battery
B1712	Seat Driver Front Up Switch Circuit Short To Ground
B1713	Seat Driver Front Down Switch Circuit Failure
B1714	Seat Driver Front Down Switch Circuit Open
B1715	Seat Driver Front Down Switch Circuit Short To Battery

B1716	Seat Driver Front Down Switch Circuit Short To Ground
B1717	Seat Driver Forward Switch Circuit Failure
B1718	Seat Driver Forward Switch Circuit Open
B1719	Seat Driver Forward Switch Circuit Short To Battery
B1720	Seat Driver Forward Switch Circuit Short To Ground
B1721	Seat Driver Rearward Switch Circuit Failure
B1722	Seat Driver Rearward Switch Circuit Open
B1723	Seat Driver Rearward Switch Circuit Short To Battery
B1724	Seat Driver Rearward Switch Circuit Short To Ground
B1725	Seat Driver Rear Up Switch Circuit Failure
B1726	Seat Driver Rear Up Switch Circuit Open
B1727	Seat Driver Rear Up Switch Circuit Short To Battery
B1728	Seat Driver Rear Up Switch Circuit Short To Ground
B1729	Seat Driver Rear Down Switch Circuit Failure
B1730	Seat Driver Rear Down Switch Circuit Open
B1731	Seat Driver Rear Down Switch Circuit Short To Battery
B1732	Seat Driver Rear Down Switch Circuit Short To Ground
B1733	Mirror Driver Vertical Switch Circuit Failure
B1734	Mirror Driver Vertical Switch Circuit Open
B1735	Mirror Driver Vertical Switch Circuit Short To Battery
B1736	Mirror Driver Vertical Switch Circuit Short To Ground
B1737	Mirror Driver Horizontal Switch Circuit Failure
B1738	Mirror Driver Horizontal Switch Circuit Open
B1739	Mirror Driver Horizontal Switch Short To Battery
B1740	Mirror Driver Horizontal Switch Circuit Short To Ground
B1741	Mirror Passenger Vertical Switch Circuit Failure
B1742	Mirror Passenger Vertical Switch Circuit Open
B1743	Mirror Passenger Vertical Switch Circuit Short To Batt
B1744	Mirror Passenger Vertical Switch Circuit Short To GND
B1745	Mirror Passenger Horizontal Switch Circuit Failure
B1746	Mirror Passenger Horizontal Switch Circuit Open
B1747	Mirror Passenger Horizontal Switch Short To Battery
B1748	Mirror Passenger Horizontal Switch Short To Ground
B1749	Park/Neutral Switch Circuit Failure
B1750	Park/Neutral Switch Circuit Open
B1751	Park/Neutral Switch Circuit Short To Battery
B1752	Park/Neutral Switch Circuit Short To Ground
B1753	Hazard Flash Output Circuit Failure
B1754	Hazard Flash Output Circuit Open
B1755	Hazard Flash Output Circuit Short Battery
B1756	Hazard Flash Output Circuit Short To Ground
B1757	Seat Driver Rear Down Circuit Failure
B1758	Seat Driver Rear Down Circuit Open
B1759	Seat Driver Rear Down Circuit Short To Battery
B1760	Seat Driver Rear Down Circuit Short To Ground
B1761	Seat Driver Front Down Circuit Failure
B1762	Seat Driver Front Down Circuit Open
B1763	Seat Driver Front Down Circuit Short To Battery
B1764	Seat Driver Front Down Circuit Short To Ground
B1765	Seat Driver Forward Circuit Failure
B1766	Seat Driver Forward Circuit Open
B1767	Seat Driver Forward Circuit Short To Battery
B1768	Seat Driver Forward Circuit Short To Ground
B1769	Seat Driver Backward Circuit Failure
B1770	Seat Driver Backward Circuit Open
B1771	Seat Driver Backward Circuit Short To Battery
B1772	Seat Driver Backward Circuit Short To Ground
B1773	Mirror Driver Up Circuit Failure
B1774	Mirror Driver Up Circuit Open
B1775	Mirror Driver Up Circuit Short To Battery
B1776	Mirror Driver Up Circuit Short To Ground
B1777	Driver's Seatbelt Tension Reducer Circuit Short to GND
B1778	Mirror Driver Down Circuit Failure
B1779	Mirror Driver Down Circuit Open
B1780	Mirror Driver Down Circuit Short To Battery
B1781	Mirror Driver Down Short To Ground

B1782	Mirror Passenger Up Circuit Failure
B1783	Mirror Passenger Up Circuit Open
B1784	Mirror Passenger Up Circuit Short To Battery
B1785	Mirror Passenger Up Circuit Short To Ground
B1786	Mirror Passenger Down Circuit Failure
B1787	Mirror Passenger Down Circuit Open
B1788	Mirror Passenger Down Circuit Short To Battery
B1789	Mirror Passenger Down Circuit Short To Ground
B1790	Autolamp Sensor Input Circuit Failure
B1791	Autolamp Sensor Input Circuit Open
B1792	Autolamp Sensor Input Circuit Short To Battery
B1793	Autolamp Sensor Input Circuit Short To Ground
B1794	Lamp Headlamp Low-Beam Circuit Failure
B1795	Lamp Headlamp Low-Beam Circuit Open
B1796	Lamp Headlamp Low-Beam Circuit Short To Battery
B1797	Lamp Headlamp Low-Beam Circuit Short To Ground
B1798	Lamp Turn Signal Front Output Circuit Failure
B1799	Lamp Turn Signal Front Output Circuit Open
B1800	Lamp Turn Signal Front Output Circuit Short To Battery
B1801	Lamp Turn Signal Front Output Circuit Short To Ground
B1802	Lamp Turn Signal Rear Output Circuit Failure
B1803	Lamp Turn Signal Rear Output Circuit Open
B1804	Lamp Turn Signal Rear Output Circuit Short To Battery
B1805	Lamp Turn Signal Rear Output Circuit Short To Ground
B1806	Lamp Tail Output Circuit Failure
B1807	Lamp Tail Output Circuit Open
B1808	Lamp Tail Output Circuit Short To Battery
B1809	Lamp Tail Output Circuit Short To Ground
B1810	Lamp Backup Switch Input Circuit Failure
B1811	Lamp Backup Switch Input Circuit Open
B1812	Lamp Backup Switch Input Circuit Short To Battery
B1813	Lamp Backup Switch Input Circuit Short To Ground
B1814	Wiper Rear Motor Down Relay Coil Circuit Failure
B1815	Wiper Rear Motor Down Relay Coil Circuit Open
B1816	Wiper Rear Motor Down Relay Coil Circuit Short To Batt
B1817	Wiper Rear Motor Down Relay Coil Circuit Short To GND
B1818	Wiper Rear Motor Up Relay Coil Circuit Failure
B1819	Wiper Rear Motor Up Relay Coil Circuit Open
B1820	Wiper Rear Motor Up Relay Coil Circuit Short To Battery
B1821	Wiper Rear Motor Up Relay Coil Circuit Short To Ground
B1822	Wiper Rear Park Sense Input Circuit Failure
B1823	Wiper Rear Park Sense Input Circuit Open
B1824	Wiper Rear Park Sense Input Circuit Short To Battery
B1825	Wiper Rear Park Sense Input Circuit Short To Ground
B1826	Wiper Rear High Limit Input Circuit Failure
B1827	Wiper Rear High Limit Input Circuit Open
B1828	Wiper Rear High Limit Input Circuit Short To Battery
B1829	Wiper Rear High Limit Input Circuit Short To Ground
B1830	Door Unlock Disarm Switch Circuit Failure
B1831	Door Unlock Disarm Switch Circuit Open
B1832	Door Unlock Disarm Switch Circuit Short To Battery
B1833	Door Unlock Disarm Switch Circuit Short To Ground
B1834	Door Unlock Disarm Output Circuit Failure
B1835	Door Unlock Disarm Output Circuit Open
B1836	Door Unlock Disarm Output Circuit Short To Battery
B1837	Door Unlock Disarm Output Circuit Short To Ground
B1838	Battery Saver Power Relay Circuit Failure
B1839	Wiper Rear Motor Circuit Failure
B1840	Wiper Front Power Circuit Failure
B1841	Wiper Front Power Circuit Open
B1842	Wiper Front Power Circuit Short To Battery
B1843	Wiper Front Power Circuit Short To Ground
B1844	Phone Handset Circuit Failure
B1845	Ignition Tamper Circuit Failure
B1846	Ignition Tamper Circuit Open
B1847	Ignition Tamper Circuit Short To Battery

B1848	Ignition Tamper Circuit Short To Ground
B1849	Climate Ctrl Temperature Differential Circuit Failure
B1850	Climate Ctrl Temperature Differential Circuit Open
B1851	Climate Ctrl Temperature Differential Short To Battery
B1852	Climate Ctrl Temperature Differential Short To Ground
B1853	Climate Ctrl Air Temp Internal Sensor Motor Circuit
B1854	Climate Ctrl Air Temp Internal Sensor Motor Open
B1855	Climate Ctrl Air Temp Internal Sensor Motor Short To +
B1856	Climate Ctrl Air Temp Internal Sensor Motor Short To -
B1857	Climate Control On/Off Switch Circuit Failure
B1858	Climate Control A/C Pressure Switch Circuit Failure
B1859	Climate Control A/C Pressure Switch Circuit Open
B1860	Climate Control A/C Pres Switch Short To Battery
B1861	Climate Control A/C Pres Switch Short To Ground
B1862	Climate Control A/C Lock Sensor Failure
B1863	Ground ECU Circuit Open
B1864	Battery Power Supply ECU Circuit Failure
B1865	Battery Power Supply ECU Circuit Open
B1866	Battery Power Supply ECU Circuit Short To Battery
B1867	Battery Power Supply ECU Circuit Short To Ground
B1868	Lamp Air Bag Warning Indicator Circuit Failure
B1869	Lamp Air Bag Warning Indicator Circuit Open
B1870	Lamp Air Bag Warning Indicator Circuit Short To Battery
B1871	Passenger Air Bag Disable Module Fault
B1872	Turn Signal /Hazard Power Feed Circuit Short To Battery
B1873	Turn Signal / Hazard Power Feed Circuit Short To Ground
B1874	Cellular Phone Handset Not Present
B1875	Turn Signal / Hazard Switch Signal Circuit Failure
B1876	Seatbelt Driver Pretensioner Circuit Failure
B1877	Seatbelt Driver Pretensioner Circuit Open
B1878	Seatbelt Driver Pretensioner Circuit Short to Battery
B1879	Seatbelt Driver Pretensioner Circuit Short to Ground
B1880	Seatbelt Passenger Pretensioner Circuit Failure
B1881	Seatbelt Passenger Pretensioner Circuit Open
B1882	Seatbelt Passenger Pretensioner Short to Battery
B1883	Seatbelt Passenger Pretensioner Circuit Short to Ground
B1884	PAD Warning Lamp Inoperative
B1885	Seatbelt Driver Pretensioner Resistance Low on Squib
B1886	Seatbelt Passenger Pretensioner Resistance Low on Squib
B1887	Air Bag Driver Circuit Resistance Low/Shorted Together
B1888	Air Bag Passenger Circuit Resistance Low or Shorted
B1889	Passenger Airbag Disable Module Sensor Obstructed
B1890	PAD Warning Lamp Circuit Short to Battery
B1891	Air Bag Tone Warning Indicator Circuit Short to Battery
B1892	Air Bag Tone Warning Indicator Circuit Failure
B1893	GPS Antenna Open Circuit
B1894	Wiper Rear Motor Speed Sense Circuit Failure
B1895	Driver/Passenger's Door Ajar Output Circuit Failure
B1896	Driver/Passenger's Door Ajar Output Short to Battery
B1897	Horn Switch Circuit Failure
B1898	Chime Input #2 Circuit Short to Ground
B1899	Microphone Input Signal Circuit Open
B1900	Driver Side Airbag Fault
B1901	Air Bag Crash Sensor #1 Feed/Return Short To Ground
B1902	Air Bag Crash Sensor #1 Ground Circuit Failure
B1903	Air Bag Crash Sensor #1 Ground Circuit Short To Battery
B1904	Air Bag Crash Sensor #2 Feed/Return Circuit Failure
B1905	Air Bag Crash Sensor #2 Feed/Return Short To Battery
B1906	Air Bag Crash Sensor #2 Feed/Return Short To Ground
B1907	Air Bag Crash Sensor #2 Ground Circuit Failure
B1908	Air Bag Crash Sensor #2 Ground Circuit Short To Battery
B1909	Air Bag Crash Sensor #2 Ground Circuit Short To Ground
B1910	Air Bag Diagnostic Monitor Ground Circuit Failure
B1911	Air Bag Diagnostic Monitor Ground Circuit Short To B+
B1912	Air Bag Diagnostic Monitor Ground Circuit Short To GND
B1913	Air Bag Driver/Passenger Circuit Short To Ground

B1914	Air Bag Crash Sensors #1 / #2 Circuit Short To Ground
B1915	Air Bag Driver Circuit Failure
B1916	Air Bag Driver Circuit Short To Battery
B1917	Air Bag Memory Clear Circuit Failure
B1918	Air Bag Memory Clear Circuit Open
B1919	Air Bag Memory Clear Circuit Short To Battery
B1920	Air Bag Passenger Circuit Failure
B1921	Air Bag Diagnostic Monitor Ground Circuit Open
B1922	Air Bag Safing Sensor Output Circuit Short To Battery
B1923	Air Bag Memory Clear Circuit Short To Ground
B1924	Air Bag Internal Diagnostic Monitor Fault/Disarm Fault
B1925	Air Bag Passenger Circuit Short To Battery
B1926	Air Bag Passenger Pressure Switch Circuit Failure
B1927	Passenger Side Airbag Fault
B1928	Air Bag Safing Sensor Output Circuit Failure
B1929	Air Bag Safing Sensor Output Circuit Open
B1930	Air Bag Safing Sensor Output Circuit Short To Ground
B1931	Air Bag Crash Sensor #1 Feed/Return Circuit Failure
B1932	Air Bag Driver Circuit Open
B1933	Air Bag Passenger Circuit Open
B1934	Air Bag Driver Inflator Circuit Resistance Low on Squib
B1935	Air Bag Passenger Inflator Resistance Low on Squib
B1936	Air Bag Driver Circuit Short To Ground
B1937	Air Bag Passenger Pressure Switch Circuit Open
B1938	Air Bag Passenger Circuit Short To Ground
B1939	Air Bag Passenger Pres Switch Circuit Short To Ground
B1940	CODE 9940
B1941	Air Bag Crash Sensor #1 Feed/Return Circuit Open
B1942	Air Bag Crash Sensor #2 Feed/Return Circuit Open
B1943	Air Bag Crash Sensor #1 Ground Circuit Short To Ground
B1944	Air Bag Crash Sensor #1 Ground Circuit Open
B1945	Air Bag Crash Sensor #2 Ground Circuit Open
B1946	Climate Control A/C Post Evaporator Sensor Circuit Fail
B1947	Climate Control A/C Post Evaporator Sensor Short To GND
B1948	Climate Control Water Temperature Sensor Circuit Fail
B1949	Climate Control Water Temperature Sensor Short To GND
B1950	Seat Rear Up/Down Potentiometer Feedback Circuit Fail
B1951	Seat Rear Up/Down Potentiometer Feedback Open
B1952	Seat Rear Up/Down Potentiometer Feedback Short To B+
B1953	Seat Rear Up/Down Potentiometer Feedback Short To GND
B1954	Seat Front Up/Down Potentiometer Feedback Circuit Fail
B1955	Seat Front Up/Down Potentiometer Feedback Circuit Open
B1956	Seat Front Up/Down Potentiometer Feedback Short To B+
B1957	Seat Front Up/Down Potentiometer Feedback Short To GND
B1958	Seat Recline Forward/Backward Feedback Failure
B1959	Seat Recline Forward/Backward Feedback Open
B1960	Seat Recline Forward/Backward Feedback Short To Battery
B1961	Seat Recline Forward/Backward Feedback Short To Ground
B1962	Seat Hor Forward/Rearward Potentiometer Feedback Fail
B1963	Seat Hor Forward/Rearward Potentiometer Feedback Open
B1964	Seat Hor Forward/Rearward Feedback Short To Battery
B1965	Seat Hor Forward/Rearward Feedback Short To Ground
B1966	A/C Post Heater Sensor Circuit Failure
B1967	A/C Post Heater Sensor Circuit Short To Ground
B1968	A/C Water Pump Detection Circuit Failure
B1969	A/C Clutch Magnetic Control Circuit Failure
B1970	Passenger Seatback Forward Switch Circuit Short to GND
B1971	Passenger Seatback Rearward Switch Circuit Short to GND
B1972	Passenger Rear Seat Up Switch Circuit Short to Battery
B1973	Passenger Rear Seat Down Switch Short to Battery
B1974	Passenger-Seat Recline Forward Switch Short to Battery
B1975	Passenger's Seat Recline Back Switch Short to Battery
B1976	Passenger's Seat Forward Switch Circuit Short to Batt
B1977	Passenger's Front Seat Up Switch Circuit Short to Batt
B1978	Passenger's Front Seat Down Switch Circuit Short to B+
B1979	Passenger Seat Rearward Switch Circuit Short to Batt

B1980	Bulb - Outage Condition Detected
B1981	Memory Off Switch Circuit Short to Battery
B1982	Driver's Door Unlock Relay Circuit Failure
B1983	Driver's Door Unlock Relay Circuit Short to Battery
B1984	Seat Switch Lumbar Inflate Circuit Failure
B1985	Seat Switch Lumbar Deflate Circuit Failure
B1986	Driver-Seat Seatback Autoglide Rearward Switch Circuit
B1987	Pedal Forward / Rearward Motor Stalled
B1988	Pedal Position Forward Switch Circuit Short to Battery
B1989	Pedal Position Rearward Switch Circuit Short to Battery
B1990	Pedal Forward / Rearward Potentiometer Feedback Circuit
B1991	Pedal Forward / Rearward Potentiometer Feedback Short +
B1992	Driver Side, Side mount Airbag Circuit Short to Vbatt
B1993	Driver Side, Side mount Airbag Circuit Short to Ground
B1994	Driver Side, Side mount Airbag Circuit Open
B1995	Driver Side, Side mount Airbag Low resistance on Squib
B1996	Passenger Side mount Airbag Circuit Short to Vbatt
B1997	Passenger Side mount Airbag Circuit Short to Ground
B1998	Passenger Side mount Airbag Circuit Open
B1999	Passenger Side mount Airbag Low resistance on Squib
B2100	Door Driver Key Cylinder Switch Failure
B2101	Head Rest Switch Circuit Failure
B2102	Antenna Circuit Short to Ground
B2103	Antenna Not Connected
B2104	Door Passenger Key Cylinder Switch Failure
B2105	Throttle Position Input Out of Range Low
B2106	Throttle Position Input Out of Range High
B2107	Front Wiper Motor Relay Circuit Short to Vbatt
B2108	Trunk Key Cylinder Switch Failure
B2109	Heated Wind Shield Relay Short to Vbatt
B2110	Front Wiper Motor Relay Circuit Open
B2111	All Door Lock Input Short to Ground
B2112	Door Driver Set Switch Stuck Failure
B2113	Heated Windshield Input Short to Ground
B2114	Front Washer Input Short to Ground
B2115	Rear Washer Input Short to Ground
B2116	Door Driver Reset Switch Stuck Failure
B2117	Driver Side mount Airbag Low capacitance on Squib
B2118	Passenger Side mount Airbag Low capacitance on Squib
B2119	Compressor Failure
B2120	Door Passenger Set Switch Stuck Failure
B2122	Driver Side Satellite Communicat Circuit Short to GND
B2123	Passenger Side Satellite Comm Circuit Short to Ground
B2124	Door Passenger Reset Switch Stuck Failure
B2128	Central Lock Motor Failure
B2129	Central Lock Feedback Failure
B2130	Double Lock Timeout Failure
B2131	Double Lock Feedback Failure
B2132	Dimmer switch Circuit Short to Gnd
B2133	Brake Motor Warning lamp Circuit Failure
B2134	Brake Motor Warning lamp Circuit Short to Vbatt
B2135	Park Brake Applied Warning Lamp Circuit Failure
B2136	Park Brake Applied Warning Lamp Circuit Short To Batt
B2139	Data Mismatch (receive data was not expected)
B2141	NVM Configuration Failure
B2142	NVM TIC Failure
B2143	NVM Memory Failure
B2144	NVM Alarm Data Failure
B2145	NVM RF HR Failure
B2146	Seat Recline Motor Position Out of Range
B2148	PWM Input Circuit Failure
B2149	Seat Front Vertical Motor Position Out of Range
B2150	Power Supply #1 Circuit Short to Ground
B2151	Power Supply #2 Circuit Short to Ground
B2152	Seat Rear Vertical Motor Position Out of Range
B2153	Rear Echo Sensor Circuit Failure

B2154	Front Echo Sensor Circuit Failure
B2155	Seat Horizontal Motor Position Out of Range
B2156	Rear Doppler Sensor Circuit Failure
B2157	Front Doppler Sensor Circuit Failure
B2158	Seat Recline Motor Memory Position Out of Range
B2159	Memory #1 output Short to Ground
B2160	Memory #1 output Short to VBatt
B2161	Seat Front Vertical Motor Memory Position Out of Range
B2162	Data Mismatch #2(receive data was not expected)
B2163	Clutch Position Fault
B2164	Seat Rear Vertical Motor Memory Position Out of Range
B2165	Gear shift position Fault
B2166	Gear select position Fault
B2167	Seat Horizontal Motor Memory Position Out of Range
B2168	Unable to confirm Unlock Condition
B2169	Unable to confirm lock Condition
B2170	Steering Column Lock Switch Circuit Failure
B2172	Inertia Switch input Circuit Open
B2174	Window Driver Rear Remote Up Switch Short to Battery
B2175	A/C Request Signal Circuit Short to Ground
B2176	Overdrive switch circuit short to Vbatt
B2177	Interior Scanning Sensor Circuit Failure
B2178	Window Driver Rear Remote Down Switch Short to Battery
B2179	Front Wiper Select Switch A Short to Ground
B2180	Front Wiper Select Switch B Short to Ground
B2181	Front Wiper Select Switch C Short to Ground
B2182	Window Passenger Front Remote Up Switch Short to Batt
B2183	Front Wiper Select Switch H Short to Ground
B2184	Front Wiper Select Switch W Short to Ground
B2185	Rear Wiper Select Switch D Short to Ground
B2186	Window Passenger Front Remote Down Switch Short to B+
B2187	Rear Wiper Select Switch B Short to Ground
B2188	Rear Wiper Select Switch E Short to Ground
B2190	Window Passenger Rear Remote Up Switch Short to Battery
B2194	Window Passenger Rear Remote Down Switch Short to Batt
B2195	Driver Window Up / Down Power Circuit Short to Ground
B2196	Passenger Window Up / Down Power Circuit Short to GND
B2197	TV Module Error
B2198	TrafficMaster Module Error
B2199	VICS Module Error
B2200	No Communication to TV Module (No Fitting of TV)
B2201	No Communication With Traffic MasterModule
B2202	No Communication to VICS Module (No Fitting of VICS)
B2203	CD-ROM Error
B2204	GPS Antenna Connection Open or Short
B2205	GPS Receiver Error
B2206	Gyroscope Error
B2207	ECU ROM Checksum Error
B2208	Communication Link to Display and Switch Module Error
B2209	Interior Lamp Override Switch Open Circuit
B2210	Interior Lamp Override Switch Short to Ground
B2211	Low Coolant Lamp Output Circuit Short to Battery
B2214	Window Passenger Front Up Switch Short to Battery
B2215	Window Passenger Front Down Switch Short to Battery
B2219	Window Driver Front Current Feedback Exceeded
B2220	Window Driver Rear Current Feedback Exceeded
B2221	Window Passenger Front Current Feedback Exceeded
B2222	Window Passenger Rear Current Feedback Exceeded
B2223	Mirror Driver Drive Circuit Failure
B2224	Mirror Passenger Drive Circuit Failure
B2225	Front Crash Sensor Mount Fault
B2226	Front Crash Sensor Internal Fault
B2227	Front Crash Sensor Driver Communications Fault
B2228	Air Bag Driver Circuit Short to Ground - Loop #2
B2229	Air Bag Passenger Circuit Short to Ground - Loop #2
B2230	Air Bag Driver Circuit Short to Battery - Loop #2

B2231	Air Bag Passenger Circuit Short to Battery - Loop #2
B2232	Air Bag Driver Circuit Open - Loop #2
B2233	Air Bag passenger Circuit Open - Loop #2
B2234	Air Bag Driver Inflator Circuit Resis Low on Squib(#2)
B2235	Air Bag Passenger Inflator Circuit
B2236	Weak or Defected Electric Vehicle Battery Module Fault
B2237	Vehicle Signal indicating Park While VSS Present
B2238	Power Cable For Power Sliding Door Broken
B2239	Rear Cargo Door Set Switch Stuck (Short to Ground)
B2240	Rear Cargo Door Reset Switch Stuck (Short to Ground)
B2241	Rear Cargo Door Lock Circuit Short to Ground
B2242	Rear Cargo Door Unlock Circuit Open
B2243	Driver Rear Door Ajar Circuit Open
B2244	Driver Sliding Door Ajar Circuit Short to GND
B2245	Passenger Rear Door Ajar Circuit Open
B2246	Passenger Sliding Door Ajar Circuit Short to GND
B2247	EV Battery Pack Temperature Fault
B2248	Heated Windshield Relay Coil Circuit Failure
B2249	Head Lamp Relay Coil Short to Battery
B2250	All Doors Unlock Relay Circuit Failure
B2251	Parklamp Output Relay Driver Circuit Failure
B2252	Parklamp Output Relay Dirver Short to Battery
B2300	Seat Driver Memory Position Error
B2301	Seat Passenger Memory Position Error
B2302	Seat Headrest Feedback Potentiomet er Circuit Failure
B2303	Seat Headrest Feedback Potentiometer Circuit Open
B2304	Seat Headrest Feedback Potentiometer Circuit Short to +
B2305	Seat Headrest Feedback Potentiometer Circuit Short to -
B2306	Seat Headrest Motor Stalled
B2310	Mirror Driver Memory Position Error
B2311	Mirror Passenger Memory Position Error
B2312	Mirror Passenger Hor Feedback Potentiometer Circ Fail
B2313	Mirror Passenger Hor Feedback Potentiometer Circ Open
B2314	Mirror Passenger Hor Feedback Potentiometer Short to +
B2315	Mirror Passenger Hor Feedback Potentiometer Short to -
B2316	Mirror Passenger Vertical Feedback Potentiometer Circu
B2317	Mirror Passenger Vertical Feedback Potentiometer Open
B2318	Mirror Passenger Vertical Feedback Short to Battery
B2319	Mirror Passenger Vertical Feedback Short to Ground
B2320	Mirror Driver Horizontal Feedback Potentiometer Circuit
B2321	Mirror Driver Horizontal Feedback Potentiometer CC Open
B2322	Mirror Driver Horizontal Feedback Potentiometer Short +
B2323	Mirror Driver Horizontal Feedback Potentiometer Short -
B2324	Mirror Driver Vertical Feedback Potentiometer Circuit
B2325	Mirror Driver Vertical Feedback Potentiometer Circ Open
B2326	Mirror Driver Vertical Feedback Potentiometer Short B+
B2327	Mirror Driver Vertical Feedback Potentiometer Short GND
B2328	Column Reach Feedback Potentiometer Circuit Failure
B2329	Column Reach Feedback Potentiometer Circuit Open
B2330	Column Reach Feedback Potentiometer Short to Battery
B2331	Column Reach Feedback Potentiometer Short to Ground
B2332	Column Tilt Feedback Potentiometer Circuit Failure
B2333	Column Tilt Feedback Potentiometer Circuit Open
B2334	Column Tilt Feedback Potentiometer Short to Battery
B2335	Column Tilt Feedback Potentiometer Circuit Short to GND
B2336	Mirror Switch Assembly Circuit Failure
B2337	Mirror Switch Assembly Circuit Open
B2338	Mirror Switch Assembly Circuit Short to Battery
B2339	Mirror Switch Assembly Circuit Short to Ground
B2340	Column Reach Motor Stalled
B2341	Column Tilt Motor Stalled
B2342	Seat Switch Reference Vol Positive Common Open Circuit
B2343	Seat SW Reference Vol Positive Common Supply Low Volt
B2344	Seat SW Reference Vol Positive Common Supply Volt Fault
B2345	Seat Switch Reference Volt Negative Common Open Circuit
B2346	Mirror SW Reference Volt Pos Common Open Circuit

B2347	Mirror SW Reference Volt Pos Common Supply Low Voltage
B2348	Mirror SW Reference Volt Pos Common Supply Voltage Fail
B2349	Mirror SW Reference Volt Negative Common Open Circuit
B2350	Steering Column Switch Circuit Short to Battery
B2351	Steering Column Switch Circuit Failure
B2352	Driver Memory Power Switch Indicator Short to Battery
B2353	Driver Mirror Power Driver Circuit Short Ground
B2354	Driver Mirror Horizontal/Vertical Feedback Circuit Open
B2355	Psgr Mirror Hor/Ver Feedback Potentiometer Circuit Open
B2357	Driver Window Down Current Sens e Low Circuit Failure
B2362	,Remote Open/Close signal Circuit Short to Ground
B2363	,Optical Sensor System Failure
B2364	,Fuel Filler Door Circuit Open
B2365	B-pillar Power Slid Door Open/Close SW Input Ckt Short-
B2366	IP Power Sliding Door Open/Close SW Ckt Short to Gnd
B2367	Power Sliding Door Override SW Input Ckt Short to Gnd
B2368	Steering Column Switch Circuit Out of Range
B2369	Chime OUTPUT Request Ckt Short to Ground
B2373	LED #1 Circuit Short to Battery
B2374	Power Sliding Detent (Latch) Circuit Failure
B2380	Heater Coolant Temp sensor circuit Short to GND
B2381	Heater Coolant Temp sensor circuit Open
B2384	Audio Reverse Aid Mute Input Ckt Failure
B2385	Audio Navigation Mute Input Ckt Failure
B2401	Audio Tape Deck Mechanism Fault
B2402	Audio CD/DJ Thermal Shutdown Fault
B2403	Audio CD/DJ Internal Fault
B2404	Audio Steering Wheel Switch Circuit Fault
B2405	Audio Single-Disc CD Player Thermal Shutdown Fault
B2406	Audio Single-Disc CD Player Internal Fault
B2416	Climate Control Recirculation Actuator Out of Limits
B2425	Remote Keyless Entry Out of Synchronization
B2426	Passenger Solar Radiation Sensor Circuit Open
B2427	Passenger Solar Radiation Sensor Circuit Short to GND
B2428	A/C Post Heater Sensor #2 Circuit Failure
B2429	A/C Post Heater Sensor #2 Circuit Short to Ground
B2431	Transponder Programming Failed
B2432	Drivers Seat Belt Buckle Switc h Circuit Open
B2433	Drivers Seat Belt Buckle Switch Circuit Short to Batt
B2434	Drivers Seat Belt Buckle Switch Circuit Short to Ground
B2435	Drivers Seat Belt Buckle Switch Resistance out of Range
B2436	Passengers Seat Belt Buckle Switch Circuit Open
B2437	Passengers Seat Belt Buckle Switch Short to Battery
B2438	Passengers Seat Belt Buckle Switch Circuit Short to GND
B2439	Passengers Seat Belt Buckle SW Resistance out of Range
B2440	Passenger Side, Side crash sensor mount fault
B2441	Driver Side, Side crash sensor mount fault
B2442	Intrusion Sensor Fault
B2443	Powertrain Performance Mode Switch Circuit failure
B2444	Driver Side Crash Sensor Internal Fault
B2445	Passenger Side Crash Sensor Internal Fault
B2446	RESCU/VEMS Input Circuit Open
B2447	RESCU/VEMS Input Circuit Short to Battery
B2448	RESCU/VEMS Input Circuit Short to Ground
B2449	Aux Heater Glow Plug Circuit Short to Ground
B2450	Aux Heater Glow Plug Circuit Open
B2451	Aux Heater Fuel Pump Circuit Short to Ground
B2452	Aux Heater Fuel Pump Circuit Open
B2453	Aux Heater Blower Fan Circuit Short to Ground
B2454	Aux Heater Blower Fan Circuit Open
B2455	Aux Heater Blower Faulted
B2456	Aux Heater Coolant Sensor Circuit Short to Ground
B2457	Aux Heater Coolant Sensor Circuit Open
B2458	Aux Heater Overheat Sensor Circuit Short to Ground
B2459	Aux Heater Overheat Sensor Circuit Open
B2460	Aux Heater Flame Sensor Circuit Short to Ground

B2461	Aux Heater Flame Sensor Circuit Open
B2462	Aux Heater Flame Out Fault
B2463	Aux Heater Overheat Fault
B2464	Aux Heater Start Time Exceeded
B2465	Aux Heater Start Counter Over run/System Locked
B2466	Aux Heater Overheat Counter Overrun/System Locked
B2467	Aux Heater Cool Down Time Exceed(may be con to a453-5)
B2468	Aux Heater Coolant Pump Circuit Short to Ground
B2469	Aux Heater Coolant Pump Circuit Open
B2470	Interior Fan Control Circuit Short to Ground
B2471	Interior Fan Control Circuit Open
B2472	Fog Lamp Switch Failure
B2473	Passenger Door Disarm Switch ckt Short to Ground
B2474	Passenger Door Lock Switch Circuit Shorted to Ground
B2475	Passenger Door Unlock Switch Circuit Shorted to Ground
B2476	RADIO PRESENT SWITCH Ckt Failure
B2477	Module Configuration Failure
B2478	ANTI THEFT INPUT SIGNAL SHORT TO GROUND
B2479	BRAKE PARK SWITCH CIRCUIT SHORT TO GROUND
B2480	LF CORNER LAMP OUTPUT Ckt Short to Battery
B2481	Convertible Top Up/Down switch Fault
B2482	RF CORNER LAMP OUTPUT Ckt Short to Battery
B2483	Enable Signal Open Circuit
B2484	Disable Signal Short to Ground
B2485	LF SIDE REPEATER LAMP OUTPUT Ckt Short to Battery
B2487	RF SIDE REPEATER LAMP OUTPUT Ckt Short to Battery
B2489	UNDERHOOD LAMP OUTPUT CIRCUIT Failure
B2490	UNDERHOOD LAMP OUTPUT CIRCUIT Short to Battery
B2491	RF PARK LAMP OUTPUT CIRCUIT Short to Battery
B2492	Already Programmed (Test Mode DTC Only !!!)
B2493	LF PARK LAMP OUTPUT CIRCUIT Short to Battery
B2494	ANTI THEFT HORN OUTPUT CIRCUIT Short to Batt
B2495	ANTI THEFT HORN OUTPUT CIRCUIT Failure
B2496	ANTI THEFT HORN OUTPUT CIRCUIT Short to Gnd
B2499	COURTESY LAMP OUTPUT Failure
B2500	COURTESY LAMP OUTPUT Ckt Short to Battery
B2501	LF LAMP LOW BEAM CIRCUIT Failure
B2502	LF LAMP LOW BEAM CIRCUIT Short to Battery
B2503	RF LAMP LOW BEAM CIRCUIT Failure
B2504	RF LAMP LOW BEAM CIRCUIT Short to Battery
B2505	LF LAMP HIGH BEAM CIRCUIT Failure
B2506	LF LAMP HIGH BEAM CIRCUIT Short to Battery
B2507	RF LAMP HIGH BEAM CIRCUIT Failure
B2508	RF LAMP HIGH BEAM CIRCUIT Short to Battery
B2509	Rear Fog Lamp Switch Circuit Failure
B2510	Main Blower Motor Relay Circuit Short to Battery
B2511	Horn Output Relay Circuit Short to Battery
B2512	Front Fog Lamp Relay Ckt Short to Battery
B2513	Blower (Fan) Circuit Failure
B2514	Blower (Fan) Circuit Short to Vbatt
B2515	Heater Blower Relay Circuit Failure
B2516	Blower Control Circuit Failure
B2517	Emergency Power Off System Faulted
B2518	Compressor Overtemp Fault
B2519	High Mount Stop Lamp Circuit Failure
B2520	High Mount Stop Lamp Circuit Short to Battery
B2523	License Lamp Circuit Failure
B2524	License Lamp Circuit Short to Battery
B2525	Left Rear Backup Lamp Circuit Failure
B2526	Left Rear Backup Lamp Circuit Short to Battery
B2527	Left Rear Stop lamp Circuit Failure
B2528	Left Rear Stop lamp Circuit Short to Battery
B2529	Left Rear Turn Lamp Circuit Failure
B2530	Left Rear Turn Lamp Circuit Short to Battery
B2531	Right Rear Backup Lamp Circuit Failure
B2532	Right Rear Backup Lamp Circuit Short to Battery

B2533	Right Rear Stop lamp Circuit Failure
B2534	Right Rear Stop lamp Circuit Short to Battery
B2535	Right Rear Turn Lamp Circuit Failure
B2536	Right Rear Turn Lamp Circuit Short to Battery
B2539	Aux A/C Mode Position Reference Circuit Short to Ground
B2540	Aux A/C Mode Pos Reference Circuit Short to Battery
B2543	Aux A/C Ctrl Switch Reference Circuit Short to Ground
B2544	Aux A/C Ctrl Switch Reference Circuit Short to Battery
B2545	System Power Relay Circuit Short to Battery
B2546	System Power Relay Circuit Failure
B2550	LAMP DOME OUTPUT Circuit Short to Ground
B2553	Disable Signal Output Circuit Short to Battery
B2554	LAMP DOME OUTPUT Circuit Failure
B2555	LAMP DOME OUTPUT Circuit Short to Battery
B2556	Enable Signal Circuit Short to Battery
B2557	Left Power Sliding Door Open/Close Output Short to B+
B2558	Right Power Sliding Door Open/Close Output Short to B+
B2559	Aux A/C Blower Motor Relay Circuit Short to Battery
B2560	Aux A/C Blower Motor Relay Circuit Short to Ground
B2561	Aux A/C Blower Speed 1 Circuit Failure
B2562	Aux A/C Blower Speed 1 Circuit Short to Ground
B2563	Aux A/C Blower Speed 2 Circuit Failure
B2564	Aux A/C Blower Speed 2 Circuit Short to Ground
B2565	Right Tail Lamp Circuit Failure
B2566	Right Tail Lamp Circuit Short to Ground
B2567	Reverse Mirror Output Circuit Failure
B2568	Reverse Mirror Output Circuit Short to Ground
B2569	Liftgate Disarm Switch Circuit Short to Ground
B2570	Right Lamp Outage Signal Circuit Short to Ground
B2571	Left Lamp Outage Signal Circuit Short to Ground
B2580	Aux Blower Sense Switch Circuit Failure
B2581	Passenger Seat Occupant Detection Circuit Short To GND
B2582	Passenger Seat Occupant Detection Circuit Open
B2583	Child Seat Detection Circuit Short to Ground
B2584	Child Seat Detection Circuit Open
B2585	Anti Theft Input Signal Circuit Short To Battery
B2586	Headlamp Mode Select Circuit Failure
B2587	Passenger Seat Occupant Detection Circuit Short To B+
B2588	Child Seat Detection Circuit Short To Battery
B2589	Unexpected Door Reversal During Close
B2590	Vehicle Park/Speed Signal Circuit Failure
B2591	Detent Signal Missing During Unlatch
B2592	PSD Not Fully Closed (Module Commanded Successfully)
B2593	Power Sliding Door Opened During Module Close Command
B2594	No Movement Detected After an Unlatch During Power Open
B2595	Anti Theft Input Signal Circuit Failure
B2596	Headlamp Aim Output Relay Circuit Short To Battery
B2597	Headlamp Aim Output Relay Circuit Failure
B2598	Headlamp Relay Circuit Failure
B2599	Tailgate Release Open Circuit
B2600	Double Locking Door Motor Frozen
B2601	No Latch Signal Sensed on Closing and Door Reversed
B2602	Missing Latch Signal During Power Sliding Door Unlatch
B2603	PSD Not Fully Closed During Self-Test
B2604	Power Sliding Door On/Off Switch Open Circuit
B2605	Disable Signal Open Circuit
B2606	A/C Temperature Sensor Out of Range
U0001	High Speed CAN Communication Bus
U0002	High Speed CAN Communication Bus Performance
U0003	High Speed CAN Communication Bus (+) Open
U0004	High Speed CAN Communication Bus (+) Low
U0005	High Speed CAN Communication Bus (+) High
U0006	High Speed CAN Communication Bus (-) Open
U0007	High Speed CAN Communication Bus (-) Low
U0008	High Speed CAN Communication Bus (-) High
U0009	High Speed CAN Communication Bus (-) shorted to Bus (+)

U0010	Medium Speed CAN Communication Bus
U0011	Medium Speed CAN Communication Bus Performance
U0012	Medium Speed CAN Communication Bus (+) Open
U0013	Medium Speed CAN Communication Bus (+) Low
U0014	Medium Speed CAN Communication Bus (+) High
U0015	Medium Speed CAN Communication Bus (-) Open
U0016	Medium Speed CAN Communication Bus (-) Low
U0017	Medium Speed CAN Communication Bus (-) High
U0018	Medium Speed CAN Communication Bus (-) shorted to Bus (+)
U0019	Low Speed CAN Communication Bus
U0020	Low Speed CAN Communication Bus Performance
U0021	Low Speed CAN Communication Bus (+) Open
U0022	Low Speed CAN Communication Bus (+) Low
U0023	Low Speed CAN Communication Bus (+) High
U0024	Low Speed CAN Communication Bus (-) Open
U0025	Low Speed CAN Communication Bus (-) Low
U0026	Low Speed CAN Communication Bus (-) High
U0027	Low Speed CAN Communication Bus (-) shorted to Bus (+)
U0028	Vehicle Communication Bus A
U0029	Vehicle Communication Bus A Performance
U0030	Vehicle Communication Bus A (+) Open
U0031	Vehicle Communication Bus A (+) Low
U0032	Vehicle Communication Bus A (+) High
U0033	Vehicle Communication Bus A (-) Open
U0034	Vehicle Communication Bus A (-) Low
U0035	Vehicle Communication Bus A (-) High
U0036	Vehicle Communication Bus A (-) shorted to Bus A (+)
U0037	Vehicle Communication Bus B
U0038	Vehicle Communication Bus B Performance
U0039	Vehicle Communication Bus B (+) Open
U0040	Vehicle Communication Bus B (+) Low
U0041	Vehicle Communication Bus B (+) High
U0042	Vehicle Communication Bus B (-) Open
U0043	Vehicle Communication Bus B (-) Low
U0044	Vehicle Communication Bus B (-) High
U0045	Vehicle Communication Bus B (-) shorted to Bus B (+)
U0046	Vehicle Communication Bus C
U0047	Vehicle Communication Bus C Performance
U0048	Vehicle Communication Bus C (+) Open
U0049	Vehicle Communication Bus C (+) Low
U0050	Vehicle Communication Bus C (+) High
U0051	Vehicle Communication Bus C (-) Open
U0052	Vehicle Communication Bus C (-) Low
U0053	Vehicle Communication Bus C (-) High
U0054	Vehicle Communication Bus C (-) shorted to Bus C (+)
U0055	Vehicle Communication Bus D
U0056	Vehicle Communication Bus D Performance
U0057	Vehicle Communication Bus D (+) Open
U0058	Vehicle Communication Bus D (+) Low
U0059	Vehicle Communication Bus D (+) High
U0060	Vehicle Communication Bus D (-) Open
U0061	Vehicle Communication Bus D (-) Low
U0062	Vehicle Communication Bus D (-) High
U0063	Vehicle Communication Bus D (-) shorted to Bus D (+)
U0064	Vehicle Communication Bus E
U0065	Vehicle Communication Bus E Performance
U0066	Vehicle Communication Bus E (+) Open
U0067	Vehicle Communication Bus E (+) Low
U0068	Vehicle Communication Bus E (+) High
U0069	Vehicle Communication Bus E (-) Open
U0070	Vehicle Communication Bus E (-) Low
U0071	Vehicle Communication Bus E (-) High
U0072	Vehicle Communication Bus E (-) shorted to Bus E (+)
U0073	OUTSIDE TEMPERATURE SENSOR INPUT SIGNAL TOO HIGH
U0074	Reserved by Document
U0075	Reserved by Document

U0076	Reserved by Document
U0077	Reserved by Document
U0078	Reserved by Document
U0079	Reserved by Document
U0080	Reserved by Document
U0081	Reserved by Document
U0082	Reserved by Document
U0083	Reserved by Document
U0084	Reserved by Document
U0085	Reserved by Document
U0086	Reserved by Document
U0087	Reserved by Document
U0088	Reserved by Document
U0089	Reserved by Document
U0090	Reserved by Document
U0091	Reserved by Document
U0092	Reserved by Document
U0093	Reserved by Document
U0094	Reserved by Document
U0095	Reserved by Document
U0096	Reserved by Document
U0097	Reserved by Document
U0098	Reserved by Document
U0099	Reserved by Document
U0100	Lost Communication With ECM/PCM "A"
U0101	Lost Communication with TCM
U0102	Lost Communication with Transfer Case Control Module
U0103	Lost Communication With Gear Shift Module
U0104	Lost Communication With Cruise Control Module
U0105	Lost Communication With Fuel Injector Control Module
U0106	Lost Communication With Glow Plug Control Module
U0107	Lost Communication With Throttle Actuator Control Module
U0108	Lost Communication With Alternative Fuel Control Module
U0109	Lost Communication With Fuel Pump Control Module
U0110	Lost Communication With Drive Motor Control Module
U0111	Lost Communication With Battery Energy Control Module "A"
U0112	Lost Communication With Battery Energy Control Module "B"
U0113	Lost Communication With Emissions Critical Control Information
U0114	Lost Communication With Four-Wheel Drive Clutch Control Module
U0115	Lost Communication With ECM/PCM "B"
U0116	Reserved by Document
U0117	Reserved by Document
U0118	Reserved by Document
U0119	Reserved by Document
U0120	Reserved by Document
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module
U0122	Lost Communication With Vehicle Dynamics Control Module
U0123	Lost Communication With Yaw Rate Sensor Module
U0124	Lost Communication With Lateral Acceleration Sensor Module
U0125	Lost Communication With Multi-axis Acceleration Sensor Module
U0126	Lost Communication With Steering Angle Sensor Module
U0127	Lost Communication With Tire Pressure Monitor Module
U0128	Lost Communication With Park Brake Control Module
U0129	Lost Communication With Brake System Control Module
U0130	Lost Communication With Steering Effort Control Module
U0131	Lost Communication With Power Steering Control Module
U0132	Lost Communication With Ride Level Control Module
U0133	Reserved by Document
U0134	Reserved by Document
U0135	Reserved by Document
U0136	Reserved by Document
U0137	Reserved by Document
U0138	Reserved by Document
U0139	Reserved by Document
U0140	Lost Communication With Body Control Module
U0141	Lost Communication With Body Control Module "A"

U0142	Lost Communication With Body Control Module "B"
U0143	Lost Communication With Body Control Module "C"
U0144	Lost Communication With Body Control Module "D"
U0145	Lost Communication With Body Control Module "E"
U0146	Lost Communication With Gateway "A"
U0147	Lost Communication With Gateway "B"
U0148	Lost Communication With Gateway "C"
U0149	Lost Communication With Gateway "D"
U0150	Lost Communication With Gateway "E"
U0151	Lost Communication With Restraints Control Module
U0152	Lost Communication With Side Restraints Control Module
U0153	Lost Communication With Side Restraints Control Module
U0154	Lost Communication With Restraints Occupant Sensing Control Module
U0155	OXYGEN SENSOR(B2S1):ERROR IN THE HEATER CIRCUIT
U0156	Lost Communication With Information Center "A"
U0157	Lost Communication With Information Center "B"
U0158	Lost Communication With Head Up Display
U0159	Lost Communication With Parking Assist Control Module
U0160	Lost Communication With Audible Alert Control Module
U0161	Lost Communication With Compass Module
U0162	Lost Communication With Navigation Display Module
U0163	Lost Communication With Navigation Control Module
U0164	Lost Communication With HVAC Control Module
U0165	Lost Communication With HVAC Control Module
U0166	Lost Communication With Auxiliary Heater Control Module
U0167	Lost Communication With Vehicle Immobilizer Control Module
U0168	Lost Communication With Vehicle Security Control Module
U0169	Lost Communication With Sunroof Control Module
U0170	Lost Communication With "Restraints System Sensor A"
U0171	Lost Communication With "Restraints System Sensor B"
U0172	Lost Communication With "Restraints System Sensor C"
U0173	Lost Communication With "Restraints System Sensor D"
U0174	Lost Communication With "Restraints System Sensor E"
U0175	Lost Communication With "Restraints System Sensor F"
U0176	Lost Communication With "Restraints System Sensor G"
U0177	Lost Communication With "Restraints System Sensor H"
U0178	Lost Communication With "Restraints System Sensor I"
U0179	Lost Communication With "Restraints System Sensor J"
U0180	Lost Communication With Automatic Lighting Control Module
U0181	Lost Communication With Headlamp Leveling Control Module
U0182	Lost Communication With Lighting Control Module
U0183	Lost Communication With Lighting Control Module
U0184	Lost Communication With Radio
U0185	Lost Communication With Antenna Control Module
U0186	Lost Communication With Audio Amplifier
U0187	Lost Communication With Digital Disc Player/Changer Module "A"
U0188	Lost Communication With Digital Disc Player/Changer Module "B"
U0189	Lost Communication With Digital Disc Player/Changer Module "C"
U0190	Lost Communication With Digital Disc Player/Changer Module "D"
U0191	Lost Communication With Television
U0192	Lost Communication With Personal Computer
U0193	Lost Communication With "Digital Audio Control Module A"
U0194	Lost Communication With "Digital Audio Control Module B"
U0195	Lost Communication With Subscription Entertainment Receiver Module
U0196	Lost Communication With Rear Seat Entertainment Control Module
U0197	Lost Communication With Telephone Control Module
U0198	Lost Communication With Telematic Control Module
U0199	Lost Communication With "Door Control Module A"
U0200	Lost Communication With "Door Control Module B"
U0201	Lost Communication With "Door Control Module C"
U0202	Lost Communication With "Door Control Module D"
U0203	Lost Communication With "Door Control Module E"
U0204	Lost Communication With "Door Control Module F"
U0205	Lost Communication With "Door Control Module G"
U0206	Lost Communication With Folding Top Control Module
U0207	Lost Communication With Movable Roof Control Module

U0208	Lost Communication With "Seat Control Module A"
U0209	Lost Communication With "Seat Control Module B"
U0210	Lost Communication With "Seat Control Module C"
U0211	Lost Communication With "Seat Control Module D"
U0212	Lost Communication With Steering Column Control Module
U0213	Lost Communication With Mirror Control Module
U0214	Lost Communication With Remote Function Actuation
U0215	Lost Communication With "Door Switch A"
U0216	Lost Communication With "Door Switch B"
U0217	Lost Communication With "Door Switch C"
U0218	Lost Communication With "Door Switch D"
U0219	Lost Communication With "Door Switch E"
U0220	Lost Communication With "Door Switch F"
U0221	Lost Communication With "Door Switch G"
U0222	Lost Communication With "Door Window Motor A"
U0223	Lost Communication With "Door Window Motor B"
U0224	Lost Communication With "Door Window Motor C"
U0225	Lost Communication With "Door Window Motor D"
U0226	Lost Communication With "Door Window Motor E"
U0227	Lost Communication With "Door Window Motor F"
U0228	Lost Communication With "Door Window Motor G"
U0229	Lost Communication With Heated Steering Wheel Module
U0230	Lost Communication With Rear Gate Module
U0231	Lost Communication With Rain Sensing Module
U0232	Lost Communication With Side Obstacle Detection Control Module
U0233	Lost Communication With Side Obstacle Detection Control Module
U0234	Lost Communication With Convenience Recall Module
U0235	Lost Communication With Cruise Control Front Distance Range Sensor
U0236	Lost Communication With Column Lock Module
U0237	Lost Communication With Digital Audio Control Module C
U0238	Lost Communication With Digital Audio Control Module D
U0239	Lost Communication With Entrapment Control Module A
U0240	Lost Communication With Entrapment Control Module B
U0241	Lost Communication With Headlamp Control Module A
U0242	Lost Communication With Headlamp Control Module B
U0243	Lost Communication With Parking Assist Control Module B
U0244	Lost Communication With Running Board Control Module
U0245	Lost Communication With Entertainment Control Module-Front
U0246	Lost Communication With Seat Control Module E
U0247	Lost Communication With Seat Control Module F
U0248	Lost Communication with Remote Accessory Module
U0249	Lost Communication With Entertainment Control Module -Rear B
U0250	Lost Communication With Impact Classification System Module
U0292	Lost Communication With Drive Motor Control Module B
U0293	Lost Communication With Hybrid Powertrain Control Module
U0294	Lost Communication With Powertrain Control Monitor Module
U0295	Lost Communication With AC to AC Converter Control Module
U0296	Lost Communication With AC to DC Converter Control Module A
U0297	Lost Communication With AC to DC Converter Control Module B
U0298	Lost Communication With DC to DC Converter Control Module A
U0299	Lost Communication With DC to DC Converter Control Module B
U0300	Internal Control Module Software Incompatibility
U0301	Software Incompatibility with ECM/PCM
U0302	Software Incompatibility with Transmission Control Module
U0303	Software Incompatibility with Transfer Case Control Module
U0304	Software Incompatibility with Gear Shift Control Module
U0305	Software Incompatibility with Cruise Control Module
U0306	Software Incompatibility with Fuel Injector Control Module
U0307	Software Incompatibility with Glow Plug Control Module
U0308	Software Incompatibility with Throttle Actuator Control Module
U0309	Software Incompatibility with Alternative Fuel Control Module
U0310	Software Incompatibility with Fuel Pump Control Module
U0311	Software Incompatibility with Drive Motor Control Module
U0312	Software Incompatibility with Battery Energy Control Module A
U0313	Software Incompatibility with Battery Energy Control Module B
U0314	Software Incompatibility with Four-Wheel Drive Clutch Control Module

U0315	Software Incompatibility with Anti-Lock Brake System Control Module
U0316	Software Incompatibility with Vehicle Dynamics Control Module
U0317	Software Incompatibility with Park Brake Control Module
U0318	Software Incompatibility with Brake System Control Module
U0319	Software Incompatibility with Steering Effort Control Module
U0320	Software Incompatibility with Power Steering Control Module
U0321	Software Incompatibility with Ride Level Control Module
U0322	Software Incompatibility with Body Control Module
U0323	Software Incompatibility with Instrument Panel Control Module
U0324	Software Incompatibility with HVAC Control Module
U0325	Software Incompatibility with Auxiliary Heater Control Module
U0326	Software Incompatibility with Vehicle Immobilizer Control Module
U0327	Software Incompatibility with Vehicle Security Control Module
U0328	Software Incompatibility with Steering Angle Sensor Module
U0329	Software Incompatibility with Steering Column Control Module
U0330	Software Incompatibility with Tire Pressure Monitor Module
U0331	Software Incompatibility with Body Control Module "A"
U0332	Software Incompatibility With Multi-axis Acceleration Sensor Module
U0400	Invalid Data Received
U0401	Invalid Data Received From ECM/PCM
U0402	Invalid Data Received From Transmission Control Module
U0403	Invalid Data Received From Transfer Case Control Module
U0404	Invalid Data Received From Gear Shift Control Module
U0405	Invalid Data Received From Cruise Control Module
U0406	Invalid Data Received From Fuel Injector Control Module
U0407	Invalid Data Received From Glow Plug Control Module
U0408	Invalid Data Received From Throttle Actuator Control Module
U0409	Invalid Data Received From Alternative Fuel Control Module
U0410	Invalid Data Received From Fuel Pump Control Module
U0411	Invalid Data Received From Drive Motor Control Module
U0412	Invalid Data Received From Battery Energy Control Module A
U0413	Invalid Data Received From Battery Energy Control Module B
U0414	Invalid Data Received From Four-Wheel Drive Clutch Control Module
U0415	Invalid Data Received From Anti-Lock Brake System Control Module
U0416	Invalid Data Received From Vehicle Dynamics Control Module
U0417	Invalid Data Received From Park Brake Control Module
U0418	Invalid Data Received From Brake System Control Module
U0419	Invalid Data Received From Steering Effort Control Module
U0420	Invalid Data Received From Power Steering Control Module
U0421	Invalid Data Received From Ride Level Control Module
U0422	Invalid Data Received From Body Control Module
U0423	Invalid Data Received From Instrument Panel Control Module
U0424	Invalid Data Received From HVAC Control Module
U0425	Invalid Data Received From Auxiliary Heater Control Module
U0426	Invalid Data Received From Vehicle Immobilizer Control Module
U0427	Invalid Data Received From Vehicle Security Control Module
U0428	Invalid Data Received From Steering Angle Sensor Module
U0429	Invalid Data Received From Steering Column Control Module
U0430	Invalid Data Received From Tire Pressure Monitor Module
U0431	Invalid Data Received From Body Control Module "A"
U0432	Invalid Data Received From Multi-axis Acceleration Sensor Module
U0433	Invalid Data Received From Cruise Control Front Distance Range Sensor
U1000	SCP (J1850) Invalid or Missing Data for Primary Id
U1001	SCP (J1850) Invalid or Missing Data for Primary Id
U1002	SCP (J1850) Invalid or Missing Data for Primary Id
U1003	SCP (J1850) Invalid or Missing Data for Primary Id
U1004	SCP (J1850) Invalid or Missing Data for EEC Programming
U1005	SCP (J1850) Invalid or Missing Data for EEC Programming
U1006	SCP (J1850) Invalid or Missing Data for Primary Id
U1007	SCP (J1850) Invalid or Missing Data for Primary Id
U1008	SCP (J1850) Invalid or Missing Data for Engine Torque
U1009	SCP (J1850) Invalid or Missing Data for Engine Torque
U1010	SCP Invalid or Missing Data for Engine Air Intake
U1011	SCP Invalid or Missing Data for Engine Air Intake
U1012	SCP (J1850) Invalid or Missing Data for Primary Id
U1013	SCP (J1850) Invalid or Missing Data for Primary Id

U1014	SCP (J1850) Invalid or Missing Data for Primary Id
U1015	SCP (J1850) Invalid or Missing Data for Primary Id
U1016	SCP (J1850) Invalid or Missing Data for Primary Id
U1017	SCP (J1850) Invalid or Missing Data for Primary Id
U1018	SCP (J1850) Invalid or Missing Data for Throttle
U1019	SCP (J1850) Invalid or Missing Data for Throttle
U1020	SCP Invalid or Missing Data for Air Conditioning Clutch
U1021	SCP Invalid or Missing Data for Air Conditioning Clutch
U1022	SCP (J1850) Invalid or Missing Data for Primary Id
U1023	SCP (J1850) Invalid or Missing Data for Primary Id
U1024	SCP (J1850) Invalid or Missing Data for Primary Id
U1025	SCP (J1850) Invalid or Missing Data for Primary Id
U1026	SCP (J1850) Invalid or Missing Data for Engine RPM
U1027	SCP (J1850) Invalid or Missing Data for Engine RPM
U1028	SCP (J1850) Invalid or Missing Data for Primary Id
U1029	SCP (J1850) Invalid or Missing Data for Primary Id
U1030	SCP (J1850) Invalid or Missing Data for Experimental #1
U1031	SCP (J1850) Invalid or Missing Data for Experimental #1
U1032	SCP (J1850) Invalid or Missing Data for Primary Id
U1033	SCP (J1850) Invalid or Missing Data for Primary Id
U1034	SCP (J1850) Invalid or Missing Data for Primary Id
U1035	SCP (J1850) Invalid or Missing Data for Primary Id
U1036	SCP (J1850) Invalid or Missing Data for Wheels
U1037	SCP (J1850) Invalid or Missing Data for Wheels
U1038	SCP (J1850) Invalid or Missing Data for Primary Id
U1039	SCP Invalid/Missing Data for Primary Id/Vehicle Speed
U1040	SCP (J1850) Invalid or Missing Data for Vehicle Speed
U1041	SCP (J1850) Invalid or Missing Data for Vehicle Speed
U1042	SCP (J1850) Invalid or Missing Data for Traction Ctrl
U1043	SCP (J1850) Invalid or Missing Data for Traction Ctrl
U1044	SCP (J1850) Invalid or Missing Data for Traction Motor
U1045	SCP (J1850) Invalid or Missing Data for Traction Motor
U1046	SCP (J1850) Invalid or Missing Data for Primary Id
U1047	SCP (J1850) Invalid or Missing Data for Primary Id
U1048	SCP (J1850) Invalid or Missing Data for Primary Id
U1049	SCP (J1850) Invalid or Missing Data for Primary Id
U1050	SCP (J1850) Invalid or Missing Data for Brakes
U1051	SCP (J1850) Invalid or Missing Data for Brakes
U1052	SCP Invalid/Missing Data for Steering/Steering Wheel
U1053	SCP Invalid/Missing Data for Steering/Steering Wheel
U1054	SCP (J1850) Invalid or Missing Data for Primary Id
U1055	SCP (J1850) Invalid or Missing Data for Primary Id
U1056	SCP Invalid or Missing Data for Vehicle Configuration
U1057	SCP Invalid or Missing Data for Vehicle Configuration
U1058	SCP Invalid/Missing Data for Trans /Transaxle/PRNDL
U1059	SCP Invalid/Missing Data for Trans /Transaxle/PRNDL
U1060	SCP (J1850) Invalid or Missing Data for Primary Id
U1061	SCP (J1850) Invalid or Missing Data for Primary Id
U1062	SCP (J1850) Invalid or Missing Data for Primary Id
U1063	SCP (J1850) Invalid or Missing Data for Primary Id
U1064	SCP (J1850) Invalid or Missing Data for Primary Id
U1065	SCP (J1850) Invalid or Missing Data for Primary Id
U1066	SCP (J1850) Invalid or Missing Data for Primary Id
U1067	SCP (J1850) Invalid or Missing Data for Primary Id
U1068	SCP (J1850) Invalid or Missing Data for Primary Id
U1069	SCP (J1850) Invalid or Missing Data for Primary Id
U1070	SCP (J1850) Invalid or Missing Data for Engine Sensors
U1071	SCP (J1850) Invalid or Missing Data for Engine Sensors
U1072	SCP (J1850) Invalid or Missing Data for Engine Coolant
U1073	SCP (J1850) Invalid or Missing Data for Engine Coolant
U1074	SCP (J1850) Invalid or Missing Data for Engine Oil
U1075	SCP (J1850) Invalid or Missing Data for Engine Oil Temp
U1076	SCP (J1850) Invalid or Missing Data for Primary Id
U1077	SCP (J1850) Invalid or Missing Data for Primary Id
U1078	SCP (J1850) Invalid or Missing Data for Primary Id
U1079	SCP (J1850) Invalid or Missing Data for Primary Id

U1080	SCP (J1850) Invalid or Missing Data for Primary Id
U1081	SCP (J1850) Invalid or Missing Data for Primary Id
U1082	SCP Invalid/Missing Data for Engine Systems Other
U1083	SCP Invalid/Missing Data for Engine Systems Other
U1084	SCP Invalid/Missing Data for Powertrain Status Request
U1085	SCP Invalid/Missing Data for Powertrain Status Request
U1086	SCP (J1850) Invalid or Missing Data for Primary Id
U1087	SCP (J1850) Invalid or Missing Data for Primary Id
U1088	SCP (J1850) Invalid or Missing Data for Suspension
U1089	SCP (J1850) Invalid or Missing Data for Suspension
U1090	SCP Invalid/Missing Data for Non-Legislated Diagnostics
U1091	SCP Invalid/Missing Data for Non-Legislated Diagnostics
U1092	SCP (J1850) Invalid or Missing Data for Primary Id
U1093	SCP (J1850) Invalid or Missing Data for Primary Id
U1094	SCP (J1850) Invalid or Missing Data for Experimental #2
U1095	SCP (J1850) Invalid or Missing Data for Experimental #2
U1096	SCP (J1850) Invalid or Missing Data for Primary Id
U1097	SCP (J1850) Invalid or Missing Data for Primary Id
U1098	SCP Invalid or Missing Data for Vehicle Speed Control
U1099	SCP Invalid or Missing Data for Vehicle Speed Control
U1100	SCP (J1850) Invalid or Missing Data for Primary Id
U1101	SCP (J1850) Invalid or Missing Data for Primary Id
U1102	SCP (J1850) Invalid or Missing Data for Primary Id
U1103	SCP (J1850) Invalid or Missing Data for Primary Id
U1104	SCP Invalid/Missing Data for Chassis Status Request
U1105	SCP Invalid/Missing Data for Chassis Status Request
U1106	SCP Invalid/Missing Data for Legislated Diagnostics
U1107	SCP Invalid/Missing Data for Legislated Diagnostics
U1108	SCP Invalid/Missing Data for Traction Drive (Inverter)
U1109	SCP Invalid/Missing Data for Traction Drive (Inverter)
U1110	SCP (J1850) Invalid or Missing Data for Primary Id
U1111	SCP (J1850) Invalid or Missing Data for Primary Id
U1112	SCP (J1850) Invalid or Missing Data for Primary Id
U1113	SCP (J1850) Invalid or Missing Data for Primary Id
U1114	SCP (J1850) Invalid or Missing Data for Charging System
U1115	SCP (J1850) Invalid or Missing Data for Charging System
U1116	SCP Invalid/Missing Data for Electrical Energy Manage
U1117	SCP Invalid/Missing Data for Electrical Energy Manage
U1118	SCP (J1850) Invalid or Missing Data for Primary Id
U1119	SCP (J1850) Invalid or Missing Data for Primary Id
U1120	SCP (J1850) Invalid or Missing Data for Primary Id
U1121	SCP (J1850) Invalid or Missing Data for Primary Id
U1122	SCP (J1850) Invalid or Missing Data for Odometer
U1123	SCP (J1850) Invalid or Missing Data for Odometer
U1124	SCP (J1850) Invalid or Missing Data for Primary Id
U1125	SCP (J1850) Invalid or Missing Data for Primary Id
U1126	SCP (J1850) Invalid or Missing Data for Primary Id
U1127	SCP (J1850) Invalid or Missing Data for Primary Id
U1128	SCP (J1850) Invalid or Missing Data for Primary Id
U1129	SCP (J1850) Invalid or Missing Data for Primary Id
U1130	SCP (J1850) Invalid or Missing Data for Fuel System
U1131	SCP (J1850) Invalid or Missing Data for Fuel System
U1132	SCP (J1850) Invalid or Missing Data for Vehicle Motion
U1133	SCP (J1850) Invalid or Missing Data for Vehicle Motion
U1134	SCP Invalid or Missing Data for Ignition Switch/Starter
U1135	SCP Invalid or Missing Data for Ignition Switch/Starter
U1136	SCP (J1850) Invalid or Missing Data for Telltales
U1137	SCP (J1850) Invalid or Missing Data for Telltales
U1138	SCP (J1850) Invalid or Missing Data for Primary Id
U1139	SCP (J1850) Invalid or Missing Data for Primary Id
U1140	SCP (J1850) Invalid or Missing Data for Gateway
U1141	SCP (J1850) Invalid or Missing Data for Gateway
U1142	SCP (J1850) Invalid or Missing Data for Primary Id
U1143	SCP (J1850) Invalid or Missing Data for Primary Id
U1144	SCP (J1850) Invalid or Missing Data for Primary Id
U1145	SCP (J1850) Invalid or Missing Data for Primary Id

U1146	SCP (J1850) Invalid/Missing Data for Vehicle Security
U1147	SCP (J1850) Invalid/Missing Data for Vehicle Security
U1148	SCP (J1850) Invalid or Missing Data for Audio Control
U1149	SCP (J1850) Invalid or Missing Data for Audio Control
U1150	SCP (J1850) Invalid or Missing Data for Audible Warning
U1151	SCP (J1850) Invalid or Missing Data for Audible Warning
U1152	SCP (J1850) Invalid or Missing Data for Experimental #3
U1153	SCP (J1850) Invalid or Missing Data for Experimental #3
U1154	SCP (J1850) Invalid or Missing Data for Compact Disc
U1155	SCP (J1850) Invalid or Missing Data for Compact Disc
U1156	SCP Invalid/Missing Data for Digital Signal Processing
U1157	SCP Invalid/Missing Data for Digital Signal Processing
U1158	SCP (J1850) Invalid or Missing Data for Antenna
U1159	SCP (J1850) Invalid or Missing Data for Antenna
U1160	SCP (J1850) Invalid or Missing Data for Primary Id
U1161	SCP (J1850) Invalid or Missing Data for Primary Id
U1162	SCP Invalid or Missing Data for Digital Audio Tape
U1163	SCP Invalid or Missing Data for Digital Audio Tape
U1164	SCP (J1850) Invalid or Missing Data for Tuner/Receiver
U1165	SCP (J1850) Invalid or Missing Data for Tuner/Receiver
U1166	SCP (J1850) Invalid or Missing Data for Cassette Tape
U1167	SCP (J1850) Invalid or Missing Data for Cassette Tape
U1168	SCP (J1850) Invalid or Missing Data for Primary Id
U1169	SCP (J1850) Invalid or Missing Data for Primary Id
U1170	SCP Invalid/Missing Data for Cellular Phone/Paging Sys
U1171	SCP Invalid/Missing Data for Cellular Phone/Paging Sys
U1172	SCP Invalid or Missing Data for Remote Button Control
U1173	SCP Invalid or Missing Data for Remote Button Control
U1174	SCP (J1850) Invalid or Missing Data for Primary Id
U1175	SCP (J1850) Invalid or Missing Data for Primary Id
U1176	SCP (J1850) Invalid or Missing Data for Primary Id
U1177	SCP (J1850) Invalid or Missing Data for Primary Id
U1178	SCP Invalid/Missing Data for Climate Control (HVAC)
U1179	SCP Invalid/Missing Data for Climate Control (HVAC)
U1180	SCP Invalid/Missing Data for Person(Memory) Features
U1181	SCP Invalid/Missing Data for Person(Memory) Features
U1182	SCP (J1850) Invalid or Missing Data for Primary Id
U1183	SCP (J1850) Invalid or Missing Data for Primary Id
U1184	SCP Invalid or Missing Data for Window Wiper / Washer
U1185	SCP Invalid or Missing Data for Window Wiper / Washer
U1186	SCP (J1850) Invalid or Missing Data for Primary Id
U1187	SCP (J1850) Invalid or Missing Data for Primary Id
U1188	SCP (J1850) Invalid or Missing Data for Primary Id
U1189	SCP (J1850) Invalid or Missing Data for Primary Id
U1190	SCP (J1850) Invalid or Missing Data for Primary Id
U1191	SCP (J1850) Invalid or Missing Data for Primary Id
U1192	SCP (J1850) Invalid or Missing Data for Primary Id
U1193	SCP (J1850) Invalid or Missing Data for Primary Id
U1194	SCP (J1850) Invalid or Missing Data for Mirrors
U1195	SCP (J1850) Invalid or Missing Data for Mirrors
U1196	SCP (J1850) Invalid or Missing Data for Door Locks
U1197	SCP (J1850) Invalid or Missing Data for Door Locks
U1198	SCP Invalid or Missing Data for External Access (Doors)
U1199	SCP Invalid or Missing Data for External Access (Doors)
U1200	SCP Invalid or Missing Data for Seat Motion / Control
U1201	SCP Invalid or Missing Data for Seat Motion / Control
U1202	SCP (J1850) Invalid or Missing Data for Windows
U1203	SCP (J1850) Invalid or Missing Data for Windows
U1204	SCP (J1850) Invalid or Missing Data for Steering Column
U1205	SCP (J1850) Invalid or Missing Data for Steering Column
U1206	SCP (J1850) Invalid or Missing Data for Primary Id
U1207	SCP (J1850) Invalid or Missing Data for Primary Id
U1208	SCP (J1850) Invalid or Missing Data for Seat Switches
U1209	SCP (J1850) Invalid or Missing Data for Seat Switches
U1210	SCP (J1850) Invalid or Missing Data for Restraints
U1211	SCP (J1850) Invalid or Missing Data for Restraints

U1212	SCP (J1850) Invalid or Missing Data for Primary Id
U1213	SCP (J1850) Invalid or Missing Data for Primary Id
U1214	SCP (J1850) Invalid or Missing Data for Primary Id
U1215	SCP (J1850) Invalid or Missing Data for Primary Id
U1216	SCPInvalid or Missing Data for External Lamp Outage
U1217	SCPInvalid or Missing Data for External Lamp Outage
U1218	SCPInvalid or Missing Data for External Lamps
U1219	SCPInvalid or Missing Data for External Lamps
U1220	SCPInvalid or Missing Data for Interior Lamp Outage
U1221	SCPInvalid or Missing Data for Interior Lamp Outage
U1222	SCP (J1850) Invalid or Missing Data for Interior Lamps
U1223	SCP (J1850) Invalid or Missing Data for Interior Lamps
U1224	SCP (J1850) Invalid or Missing Data for Primary Id
U1225	SCP (J1850) Invalid or Missing Data for Primary Id
U1226	SCP (J1850)Invalid/Missing Data for Body Status Request
U1227	SCP (J1850)Invalid/Missing Data for Body Status Request
U1228	SCP (J1850) Invalid or Missing Data for Tires
U1229	SCP (J1850) Invalid or Missing Data for Tires
U1230	SCP (J1850)Invalid or Missing Data for Electric Defrost
U1231	SCP (J1850)Invalid or Missing Data for Electric Defrost
U1232	SCP (J1850) Invalid or Missing Data for Navigation
U1233	SCP (J1850) Invalid or Missing Data for Navigation
U1234	SCP (J1850) Invalid or Missing Data for Displays
U1235	SCP (J1850) Invalid or Missing Data for Displays
U1236	SCP (J1850) Invalid or Missing Data for Memory Storage
U1237	SCP (J1850) Invalid or Missing Data for Memory Storage
U1238	SCP (J1850) Invalid or Missing Data for Experimental #4
U1239	SCP (J1850) Invalid or Missing Data for Experimental #4
U1240	SCP (J1850) Invalid or Missing Data for Primary Id
U1241	SCP (J1850) Invalid or Missing Data for Primary Id
U1242	SCP Invalid or Missing Data for Exterior Environment
U1243	SCP Invalid/Missing Data for Exterior Environment
U1244	SCP Invalid/Missing Data for Interior Environment
U1245	SCP Invalid/Missing Data for Interior Environment
U1246	SCP (J1850) Invalid or Missing Data for Primary Id
U1247	SCP (J1850) Invalid or Missing Data for Primary Id
U1248	SCP (J1850) Invalid or Missing Data for Time / Date
U1249	SCP (J1850) Invalid or Missing Data for Time / Date
U1250	SCP (J1850)Invalid or Missing Data for Vehicle Id (VIN)
U1251	SCP (J1850)Invalid or Missing Data for Vehicle Id (VIN)
U1252	SCP (J1850)Invalid / Missing Data for Class A Functions
U1253	SCP (J1850)Invalid / Missing Data for Class A Functions
U1254	SCP (J1850) Invalid or Missing Data for Network Control
U1255	SCP (J1850) Invalid or Missing Data for Network Control
U1260	SCP (J1850) Single Ended (+) Circuit Failure
U1261	SCP (J1850) Single Ended (-) Circuit Failure
U1262	SCP (J1850) Communication Bus Fault
U1308	SCP (J1850)Invalid or Missing Data for Read Eng Torque
U1341	SCP (J1850)Invalid or Missing Data for Read Speed
U1430	SCP Invalid/Missing Data for Function Read Fuel System
U1451	SCP Data for Read Audible Warnings/Anti-Theft Module
U1612	SCP (J1850) Lack of Acknowledgment for Primary Id
U1736	SCP (J1850) Lack of Acknowledgment for Telltales
U1750	SCP (J1850) Lack of Acknowledgment for Audible Warnings
U1794	SCP (J1850) Lack of Acknowledgment for Mirrors
U1797	SCP (J1850) Lack of Acknowledgment for Door Locks
U1798	SCP Lack of Acknowledgment for External Access (Doors)
U1806	SCP (J1850) Lack of Acknowledgment for Primary Id
U1900	CAN Communication Bus Fault
U1950	UPB Communication Bus Fault
U2000	Audio Rear Control Unit is Not Responding
U2001	Audio Tape Deck Unit is Not Responding
U2002	Audio Bezel is Not Responding
U2003	Audio Compact Disk / Disk Jockey Unit is Not Responding
U2004	Audio Steering Wheel Control Unit is Not Responding
U2005	Audio Rear Integrated Control Panel Unit is Not Respond

U2006	Audio Remote Climate Control Unit is Not Responding
U2007	Audio Navigation Unit is Not Responding
U2008	Audio Phone is Not Responding
U2009	Audio Front Control Module (ACM) is Not Responding
U2010	Module is Not Responding (Non SCP)
U2011	Module Transmitted Invalid Data (Non SCP)
U2012	Communication Bus Error (Non SCP)
U2013	Compass Module is not Responding
U2014	Audio Subwoofer Unit is Not Responding
U2015	Signal Link Fault (Non SCP)
U2016	Signal Link Short to Ground (Non SCP) / From NGV Module
U2017	Driver Side Crash Sensor Communication Fault (Non SCP)
U2018	Passenger Side Crash Sensor Comm Fault (Non SCP)
U2019	Audio Voice Module Not Responding
U2020	Audio Center Amp is not responding
U2021	Invalid /fault data received (Non SCP)
U2150	SCP (J1850) Invalid Data from REM
U2152	SCP (J1850) Invalid Data from GEM
U2160	SCP (J1850) Invalid Data from IC
U2195	SCP (J1850) Invalid Data from SCLM
U2500	Lack of Acknowledgement From Engine Management
U3000	Control Module
U3001	Control Module Improper Shutdown
U3002	Vehicle Identification Number
U3003	Battery Voltage
U3004	Accessory Power Relay
U3005	Retained Accessory Power
U3006	Control Module Input Power A
U3007	Control Module Input Power B
U3008	Control Module Ground A
U3009	Control Module Ground B
U300A	Ignition Switch
U300B	Ignition Input Accessory/On/Start
U300C	Ignition Input Off/On/Start
U300D	Ignition Input On/Start
U300E	Ignition Input On
U300F	Ignition Input Accessory
U3010	Ignition Input Start
U3011	Ignition Input Off
P1031	H02 Sensor Heater Control Circuit Problem
P1032	HO2S Heater Warm Up Ctrl Bank1&2 Sensor 1
P1079	Flexible Fuel Sensor Circuit High Input
P1105	Secondary Vacuum Sensor Circuit
P1106	MAP Sensor Circuit Intermittent High or Low Voltage
P1107	MAP Sensor Circuit Intermittent Voltage Low
P1108	BARO to MAP Signal Circuit Comparison Too High
P1109	Secondary Port Throttle System
P1111	IAT Sensor Circuit Intermittent Voltage High
P1112	IAT Intermittent Vol Low/Intake Plenum SW OV Valve
P1113	Intake Resonance Switchover Valve Control
P1114	ECT Sensor Circuit Intermittent Voltage Low
P1115	ECT Sensor Circuit Intermittent Voltage High
P1116	ECT Signal Unstable or Intermittent
P1117	Engine Coolant Temp Signal Out-Of-Range Low
P1118	Engine Coolant Temp Signal Out-Of-Range High
P1119	ECT Signal Out-Of-Range With TFT Sensor
P1120	Throttle Positioning Sensor 1 Circuit
P1121	Throttle Pos Sensor 1,2 Performance/Inj 2nd Circuit Low
P1122	TPS Circuit Intermittent Voltage Low
P1125	APP System
P1130	HO2S Circuit Low Variance Bank 1 Sensor 1
P1131	HO2S Circuit Low Variance Bank 1 Sensor 2
P1132	HO2S Circuit Low Variance Bank 2 Sensor 1
P1133	HO2S/O2S Insufficient Switching Sensor1/Bank1 Sensor1
P1134	HO2S Transition Time Ratio Bank 1 Sensor 1
P1135	HO2S Lean Mean Bank 1 Sensor 1

P1136	HO2S Rich Mean Bank 1 Sensor 1
P1137	HO2 Sensor Low Voltage During Power Enrichment
P1138	HO2 Sensor High Voltage During Decel Fuel Cutoff
P1139	HO2S Insufficient Switching Bank 1 Sensor 2
P1140	HO2S Transition Time Ratio Bank 1 Sensor 2
P1141	HO2 Sensor Heater Control Circuit (Bank 1 Sensor 2)
P1143	HO2S Bank 1 Sensor 3 Lean System or Low Voltage
P1144	HO2S Bank 1 Sensor 3 Rich or High Voltage
P1145	HO2S Cross Counts Bank 1 Sensor 3
P1153	HO2S Insufficient Switching Bank 2 Sensor 1
P1154	HO2S Transition Time Ratio Bank 2 Sensor 1
P1155	HO2S Lean Mean Bank 2 Sensor 1
P1156	HO2S Rich Mean Bank 2 Sensor 1
P1157	HO2S Bank 2 Sensor 2 Lean System or Low Voltage
P1158	HO2 Sensor Shift Rich(B2S2)/Eng Metal Over-Temp Protect
P1159	HO2S Cross Counts Bank 2 Sensor 2
P1161	HO2 Sensor Heater Control Circuit (Bank 2 Sensor 2)
P1163	HO2S Bank 2 Sensor 3 Lean System or Low Voltage
P1164	HO2S Bank 2 Sensor 3 Rich or High Voltage
P1165	HO2S Cross Counts Bank 2 Sensor 3
P1170	Bank to Bank Fuel Trim Offset
P1171	Fuel System Lean During Acceleration
P1185	Engine Oil Temperature Circuit
P1186	EOT Circuit Performance
P1187	Eng Oil Temp Sensor /Eng Oil Pres Sensor Voltage Low
P1188	Eng Oil Temp Sensor /Eng Oil Pres Sensor Voltage High
P1189	Engine Oil Pressure Switch Circuit
P1191	Intake Air Duct Air Leak
P1200	Injector Control Circuit
P1201	(Alt Fuel) Gas Mass Sensor Circuit Range/Performance
P1202	(Alt Fuel) Gas Mass Sensor Circuit Low Frequency
P1203	(Alt Fuel) Gas Mass Sensor Circuit High Frequency
P1211	Mass Air Flow Circuit Intermittent High
P1212	Mass Air Flow Circuit Intermittent Low
P1214	Injection Pump Timing Offset
P1215	Generator Driver Circuit
P1216	Fuel Solenoid Response Time Too Short
P1217	Fuel Solenoid Response Time Too Long
P1218	Injection Pump Calibration Circuit
P1220	Throttle Position (TP) Sensor 2 Circuit Fault
P1221	TP Sensor 1, 2 Performance
P1222	Injector Control Circuit Intermittent
P1225	Injector Circuit Cylinder 2 Intermittent
P1228	Injector Circuit Cylinder 3 Intermittent
P1231	Injector Circuit Cylinder 4 Intermittent
P1234	Injector Circuit Cylinder 5 Intermittent
P1237	Injector Circuit Cylinder 6 Intermittent
P1240	Injector Circuit Cylinder 7 Intermittent
P1243	Injector Circuit Cylinder 8 Intermittent
P1245	Intake Plenum Switchover Valve
P1250	Early Fuel Evaporative (EFE) Heater Circuit
P1257	Boost Control Condition/Supercharge System Overboost
P1258	Engine Coolant Overtemperature - Protection Mode Active
P1260	Fuel Pump Speed Relay Control Circuit
P1271	Accelerator Pedal Position Sensor 1-2 Correlation
P1272	Accelerator Pedal Position Sensor 2-3 Correlation
P1273	Accelerator Pedal Position Sensor 1-3 Correlation
P1274	Injectors Wired Incorrectly
P1275	Boost Ctrl Condition/Accelerator Pedal Pos (APP)Sensor1
P1276	Accelerator Pedal Pos (APP)Sensor 1 Circuit Performance
P1277	Accelerator Pedal Position Sensor 1 Circuit Low Voltage
P1278	Accelerator Pedal Position Sensor1 Circuit High Voltage
P1280	Accelerator Pedal Positioning (APP) Sensor 2 Circuit
P1281	Accelerator Pedal Pos (APP) Sensor2 Circuit Performance
P1282	Accelerator Pedal Position Sensor 2 Circuit Low Voltage
P1283	Accelerator Pedal Pos Sensor 2 Circuit High Voltage

P1285	Accelerator Pedal Positioning (APP) Sensor 2 Circuit
P1286	Accelerator Pedal Pos (APP)Sensor 2 Circuit Performance
P1287	Accelerator Pedal Position Sensor 3 Circuit Low Voltage
P1288	Accelerator Pedal Pos Sensor 3 Circuit High Voltage
P1300	Ignition Coil 1 Primary Feedback Circuit
P1305	Ignition Coil 2 Primary Feedback Circuit
P1310	Ignition Coil 3 Primary Feedback Circuit
P1315	Ignition Coil 4 Primary Feedback Circuit
P1320	ICM 4X Reference Circuit Too Many Pulses/No Pulses
P1321	Electronic Ignition System Fault Line
P1322	EI System or Ignition Control Extra or Missing
P1323	ICM 24X Reference Circuit Low Frequency
P1324	Crank RPM Too Low
P1335	Crankshaft Positioning Sensing Circuit
P1336	CKP System Variation Not Learned
P1345	Camshaft To Crankshaft Position Correlation Fault
P1346	CKP Sensor System Variation Not Learned/Intake Cam Pos
P1349	Intake Camshaft Position System
P1350	Ignition Control System
P1351	Ign Ctrl Voltage High/Ign Ctrl Circuit Open(1998 3 1L)
P1352	Bypass Circuit Open/Voltage High/IC Output High/Pulse
P1353	IC Output High/Pulse Detected when GND_Cyl 3
P1354	IC Output High/Pulse Detected when GND_Cyl 4
P1355	IC Output High/Pulse Detected when GND_Cyl 5
P1356	IC Output High/Pulse Detected when GND_Cyl 6
P1357	IC Output High/Pulse Detected when GND_Cyl 7
P1358	IC Output High/Pulse Detected when GND_Cyl 8
P1359	Ignition Coil Group 1 Control Circuit
P1360	Ignition Coil group 2 Control Circuit
P1361	IC Circuit Not Toggling/Ign Ctrl Circuit Voltage Low
P1362	Bypass Circuit Shorted Or Voltage Low
P1363	IC Cylinder 3 Not Toggling After Enable
P1364	IC Cylinder 4 Not Toggling After Enable
P1365	IC Cylinder 5 Not Toggling After Enable
P1366	IC Cylinder 6 Not Toggling After Enable
P1367	IC Cylinder 7 Not Toggling After Enable
P1368	IC Cylinder 8 Not Toggling After Enable
P1370	ICM 4X Reference Too Many Pulses
P1371	ICM 4X Reference Few Pulses/Distributor Ign Low Res
P1372	CKP Sensor A-B Correlation
P1374	3X Reference Circuit
P1375	ICM 24X Reference Voltage Too High
P1376	Ignition Ground Circuit
P1377	ICM Cam Pulse To 4X Reference Pulse Comparison
P1380	ABS/EBCM/EB(T)CM DTC Detected/Rough Road Data Unusable
P1381	Misfire Detected No EBCM/EB(T)CM/PCM Serial Data
P1390	Wheel Speed Sensor 1 - G - Sensor Circuit
P1391	Wheel Speed Sensor 1 - G - Sensor Circuit Performance
P1392	Wheel Speed Sensor 1 - G - Sensor Circuit Low Voltage
P1393	Wheel Speed Sensor 1 - G - Sensor Circuit High Voltage
P1394	Wheel Speed Sensor 1 - G - Sensor Circuit Intermittent
P1395	Wheel Speed Sensor 2 - G - Sensor Circuit
P1396	Wheel Speed Sensor 2 - G - Sensor Circuit Performance
P1397	Wheel Speed Sensor 2 - G - Sensor Circuit Low Voltage
P1398	Wheel Speed Sensor 2 - G - Sensor Circuit High Voltage
P1399	Wheel Speed Sensor 2 - G - Sensor Circuit Intermittent
P1401	Exhaust Gas Recirculation (EGR) flow test fault
P1403	EGR Error
P1404	EGR Valve Closed Pintle Pos /EGR Valve Stuck Open/fault
P1405	EGR Error
P1406	EGR Valve Pintle Position Circuit
P1407	EGR Air Intrusion in Exhaust Supply to EGR Valve
P1408	MAP Sensor Circuit
P1409	EGR Vacuum System Leak
P1410	Fuel Tank Pressure System
P1415	AIR System Bank 1

P1416	AIR System Bank 2
P1418	2nd Air Injection System Relay A Control Circuit High
P1420	Intake Air Low Pressure Switch Circuit Low Voltage
P1421	Intake Air Low Pressure Switch Circuit High Voltage
P1423	Intake Air High Pressure Switch Circuit High Voltage
P1431	Fuel Level Sensor 2 Circuit Performance
P1432	Fuel Level Sensor 2 Circuit Voltage Low
P1433	Fuel Level Sensor 2 Circuit Voltage High
P1441	EVAP System Flow During Non-Purge
P1442	EVAP Vacuum Switch Circuit
P1450	BARO Sensor Circuit
P1451	BARO Sensor Circuit
P1460	Fan Circuit/Misfire Detected With Low Fuel (Catera)
P1480	Cooling Fan 1 Control Circuit High
P1483	Engine Cooling System Performance
P1500	Starter Signal Circuit
P1501	Theft Deterrent System
P1502	Theft Deterrent System No Password Received
P1503	Theft Deterrent System Password Improper
P1504	Vehicle Speed Output Circuit
P1508	Idle Air Control (IAC) System Low RPM
P1509	IAC System High RPM
P1510	Back-Up Power Supply
P1511	Throttle Control System- Backup System Performance
P1514	TAC System MAF Performance
P1515	Command vs Actual Throttle Position Performance (PCM)
P1516	Command vs Actual Throttle Pos Performance (TAC Module)
P1517	TAC Module Processor
P1518	PCM To TAC Module Serial Data Circuit
P1519	Throttle Actuator Control Module
P1520	Park/Neutral Position Switch Circuit,Gear Indicator Sys
P1521	Transmission Engaged at High Throttle Angle
P1522	Park/Neutral to Drive/Reverse at High RPM
P1523	Throttle Closed Position Performance
P1524	TPS Learned Closed Throttle Angle Degrees Out Of Range
P1525	Throttle Body ServiceRequired
P1526	TPS Learn Not Completed
P1527	Trans Range/Pressure Switch Comparison
P1528	Governor
P1529	Heated Windshield Request Problem
P1530	Ign Timing Adj SW Circuit/ A/C Refrigerant Pres Sensor
P1531	Low Air Conditioning Refrigerant Charge
P1532	A/C Evaporator Temperature Circuit Voltage Low
P1533	A/C Low Side Temperature Sensor Circuit
P1534	A/C High Side Temp Sensor Low Voltage
P1535	A/C/ High Side Temperature Sensor Circuit
P1536	A/C System ECT Overtemperature
P1537	A/C Request Circuit Voltage Low
P1538	A/C Request Circuit Voltage High
P1539	A/C High Pressure Switch Circuit Voltage High
P1540	A/C System High Pressure
P1541	A/C High Side Over Temperature
P1542	A/C System High Pressure/High Temperature
P1543	A/C System Performance
P1544	A/C Refrigerant Condition Very Low
P1545	A/C Clutch Relay Control Circuit
P1546	A/C Clutch Relay Ctrl Voltage Low/Status Voltage Low
P1547	A/C System Performance Degraded
P1548	A/C Recirculation Circuit
P1550	Stepper Motor Speed Control
P1554	Speed Control Status Circuit
P1555	Electronic Variable Orifice Fault (Saturn)
P1558	Speed Control (SPS Low)
P1559	Cruise Control Power Management Mode
P1560	Speed Control System/Transaxle Not In Drive
P1561	Speed Control Vent Solenoid

P1562	Speed Control Vacuum Solenoid
P1563	Cruise Vehicle Speed/Set Speed Difference Too High
P1564	Speed Ctrl Sys/Acceleration Too High/ECM Voltage Loss
P1565	Speed Control Servo Position Sensor
P1566	Speed Control System/Engine RPM Too High
P1567	Speed Control Switches/ABCS Active
P1568	Speed Control (SPS High)
P1569	Cruise Servo Stroke High While not in Cruise
P1570	Speed Control System/Traction Control Active
P1571	TCS Desired Torque/PWM No Frequency/ASR Desired Torque
P1572	Traction Ctrl System Active Circuit Voltage Low Long
P1573	PCM/EBTCM Serial Data/Eng Hot Lamp Ctrl Circuit
P1574	EBTCM Sys/Stop Lamp Circuit Voltage High/Stop Lamp Ctrl
P1575	Extended Travel Brake Switch Circuit Voltage High
P1576	Brake Booster Vacuum Sensor Circuit Voltage High
P1577	Brake Booster Vacuum Sensor Circuit Voltage Low
P1578	Brake Booster Vacuum Sensor Circuit Low Vacuum
P1579	Park/Neutral To Drive/Reverse At High Throttle Angle
P1580	Cruise Control Module Move Circuit, Low Voltage
P1581	Cruise Control Module Move Circuit, High Voltage
P1582	Cruise Control Module Direction Circuit, Low Voltage
P1583	Cruise Control Module Direction Circuit, High Voltage
P1584	Cruise Control Disabled
P1585	Cruise Control Inhibit Output Circuit
P1586	Cruise Control Brake Switch 2 Circuit
P1587	Cruise Control Clutch Control Circuit Low
P1588	Cruise Control Clutch Control Circuit High
P1599	Engine Stall Or Near Stall Detected
P1600	PCM Battery/Serial Communication Between PCM & TCM
P1601	Loss of Serial Communication/ ECM Overtemperature
P1602	Loss Of EBC/EBTCM Serial Data/KS Module Circuit(Catera)
P1603	Loss Of SDM Serial Data
P1604	Loss of IPC Serial Data
P1605	Loss of HVAC Serial Data
P1606	Serial Communication Problem With Device 6
P1607	Eng Oil Level SwW/Serial Comm With Device 7
P1608	Serial Communication Problem With Device 8
P1609	Loss Of TCS Serial Data
P1610	Loss Of PZM Data/Body Function Ctrler/Body Module Data
P1611	Loss Of CVRTD Serial Data
P1612	Loss of IPM Serial Data
P1613	Loss of DIM Serial Data
P1614	Loss of RIM Serial Data
P1615	Loss of VTD Serial Data
P1617	Engine Oil Level Switch Circuit
P1619	Engine Oil Lite Monitor Reset Circuit
P1620	Low Engine Coolant Level (Saturn)
P1621	PCM Memory/VCM EEPROM Performance(1998 5 7L)
P1622	Cylinder Select
P1623	PCM Prom Error/Transaxle Temp Pull-Up Resistor Fault
P1624	Customer Snapshot Data Available (Saturn)
P1625	TCM Flash Checksum Fault (Saturn)
P1626	Theft Deterrent System Fuel Enable Circuit
P1627	AD Performance
P1628	PCM Engine Control Temp Pull-Up Resistor
P1629	Theft Deterrent Sys Fuel Enable Improper Signal Detectd
P1630	Theft Deterrent System/PCM/VCM in Learn Mode
P1631	Theft Deterrent System Password Improper
P1632	Theft Deterrent System Fuel Disabled
P1633	Ignition Supplemental Power Circuit Voltage Low
P1634	Ignition 1 Power Circuit Voltage Low
P1635	5 Volt Reference (A Or 1) Circuit
P1636	PCM Stack Overrun
P1637	Alternator L Terminal Circuit
P1638	Alternator F Terminal Circuit
P1639	5 Volt Reference (B Or 2) Circuit

P1640	Driver 1 Input Voltage High
P1641	MIL Ctrl/Fan Ctrl Relay 1/ A/C Relay Ctrl(3 1L/3 8L)
P1642	Speed Output/Fan Ctrl Relay 2&3/AIR Ctrl/Oil Lamp Ctrl
P1643	Fuel Pump PWM Ctrl/RPM Output Circuit(5 7L VINs P&5)
P1644	Delivered Torque Output Circuit
P1645	Boost Ctrl Solenoid/EVAP Solenoid Output(4 0L/4 6L)
P1646	Boost Solenoid Ctrl/EVAP Vent Valve Output(4 0L/4 6L)
P1650	Driver 2 Input Voltage High
P1651	Fan On Relay Ctrl/Output Driver Module B Quickset
P1652	Fan 2 Relay Ctrl/VSS/Powertrain/Lift/Drive Output
P1653	TCS Delivered Torque Ctrl/Oil Level Lamp Ctrl/Fuel Level
P1654	A/C Relay Ctrl/Cruise Disable Output Circuit(4 0L/4 6L)
P1655	EVAP Purge Solenoid Control Circuit
P1656	Wastegate Solenoid Control Circuit
P1657	Skip Shift 1-4 Upshift
P1658	Starter Enable Relay Control Circuit
P1660	Cooling Fan Control Circuits
P1661	MIL Control Circuit
P1662	Speed Control Inhibit Control Circuit
P1663	Alternator Lamp Control Circuit
P1664	Skip Shift 1-4 Upshift Lamp Control Circuit
P1665	DBCM/DBTCM Serial Data /EVAP Vent Valve Solenoid Ctrl
P1666	Driver 3 Line 6
P1667	Reverse Inhibitor Solenoid Ctrl/Fuel Pump Spd Ctrl
P1669	ABS Unit Expected
P1670	QDM 4 Circuit
P1671	MIL Control Circuit/Oil Change Lamp Control Circuit
P1672	Low Engine Oil Level Lamp Circuit
P1673	Engine Hot Lamp Control Circuit
P1674	Tachometer Control Circuit
P1675	EVAP Vent Solenoid Control Circuit
P1676	EVAP Canister Purge Solenoid Control CKT
P1680	Driver 5
P1681	Driver 5 Line 1
P1682	Driver 5 Line 2
P1683	Driver 5 Line 3
P1684	Driver 5 Line 4
P1685	Driver 5 Line 5
P1686	Driver 5 Line 6
P1687	Driver 5 Line 7
P1689	TCS Delivered Torque Control Circuit
P1690	ECM Loop Overrun
P1691	Coolant Gage Circuit Low Voltage
P1692	Coolant Gage Circuit High Voltage
P1693	Tachometer Circuit Low Voltage
P1694	Tachometer Circuit High Voltage
P1695	Remote Keyless Entry Circuit Low
P1696	Remote Keyless Entry Voltage High
P1700	MIL Requested By TCM
P1701	MIL Request Circuit
P1705	P/N Signal Output Circuit
P1740	Torque Management/Trans /Torque/Management Request
P1743	TP Signal from ECM
P1760	Transmission Control Module Supply Voltage Interrupted
P1779	Engine Torque Delivered to TCM Signal
P1780	Park Neutral Position Switch Circuit
P1781	Engine Torque Signal Circuit
P1790	Transmission Control Module Checksum
P1791	Transmission Control Module Loop
P1792	ECM To Transmission Ctrl Module Engine Coolant Signal
P1793	Transmission Control Module Stack Overrun
P1795	CAN Bus - Throttle Body Position
P1800	ECM To Transmission Ctrl Module Engine Coolant Signal
P1801	Performance Selector Switch Failure
P1804	Ground Control Relay
P1810	ATF Pressure Manual Valve Position Switch Malfunction

P1811	Long Shift & Max Adapt
P1812	TOT Condition
P1813	Torque Control
P1814	Torque Converter Overstress
P1815	Transmission Range Switch - Start In Wrong Range
P1816	TFP Valve Position Sw - Park/Neu With Drive Ratio
P1817	TFP Valve Position Sw - Reverse With Drive Ratio
P1818	TFP Valve Position Sw - Drive Without Drive Ratio
P1819	Internal Mode Switch - No Start
P1820	Internal Mode Switch Circuit 'A' Low
P1822	Internal Mode Switch Circuit 'B' Low
P1823	Internal Mode Switch Circuit 'P' Low
P1825	Internal Mode Switch - Invalid Range
P1826	Internal Mode Switch - Invalid Range
P1831	PC Solenoid Power Circuit - Low Voltage
P1833	AT Solenoids Power Circuit - Low Voltage
P1835	Kickdown Switch Circuit
P1836	Kick-Down Switch Failed Open
P1837	Kick-Down Switch Failed Short
P1842	1-2 Shift Solenoid Circuit Low Input
P1843	1-2 Shift Solenoid Circuit High Input
P1844	Torque Reduction Signal Circuit Desired By TCM
P1845	2-3 Shift Solenoid Circuit Low Input
P1847	2-3 Shift Solenoid Circuit High Input
P1850	Brake Band Apply Solenoid
P1851	Brake Band Apply Solenoid Performance
P1852	Brake Band Apply Solenoid Low Voltage
P1853	Brake Band Apply Solenoid High Voltage
P1860	TCC PWM Solenoid Circuit
P1864	TCC Enable Solenoid Circuit
P1868	Transmission Fluid Life
P1870	Trans Component Slipping
P1871	Undefined Gear Ratio
P1873	TCC Stator Temp Switch Circuit Low
P1874	TCC Stator Temp Switch Circuit High
P1875	4WD Low Switch Circuit Electrical
P1884	TCC Enable/Shift Light Circuit
P1886	Transaxle Shift, Timing Solenoid Performance
P1887	TCC Release Switch Malfunction
P1890	Throttle Position Signal Input
P1891	Throttle Position Sensor PWM Signal Low
P1892	Throttle Position Sensor PWM Signal High
P1893	Engine Torque Signal Low Voltage
P1894	Engine Torque Signal High Voltage
P1895	Engine Torque Delivered Circuit
P1103	Turbocharger Waste Gate Actuator Malfunction
P1104	Turbocharger Waste Gate Solenoid Malfunction
P1105	Fuel Pressure Solenoid Malfunction
P1192	Inlet Air Temp Circuit Low
P1193	Inlet Air Temp Circuit Hig
P1195	Slow Switching O2 Sensor B1S1 During catalyst monitor
P1196	Slow Switching O2 Sensor B2S1 During catalyst monitor
P1197	Slow Switching O2 Sensor B1S2 During catalyst monitor
P1198	Radiator Temperature Sensor Input voltage too high
P1199	Radiator Temperature Sensor Input voltage too low
P1281	Engine is cold too long
P1282	Fuel Pump Relay control circuit
P1283	Idle select signal invalid
P1284	Fuel Inj pump battery voltage sensor out of range
P1285	Fuel Injection pump controller always on
P1286	Accelerator Position Sensor(APPS)supply voltage high
P1287	Fuel Injection pump Controller Supply voltage low
P1288	Intake manifold short runner tuning valve solenoid
P1289	Manifold tune valve solenoid circuit
P1290	CNG Fuel system pressure too high
P1291	No Temp rise seen from intake heaters

P1292	CNG Pressure sensor voltage too high
P1293	CNG Pressure sensor voltage too low
P1294	Target idle not reached
P1295	No 5 volts to TP sensor
P1296	No 5 volts to MAP sensor
P1297	No change in MAP sensor from start to run
P1298	lean operation at wide open throttle
P1299	Vacuum Leak detected (IAC fully seated)
P1300	Ignition timing adjustment circuit failure
P1388	Auto shutdown relay control circuit
P1389	No ASD relay output voltage at PCM
P1390	Timing belt skipped one tooth or more
P1391	Intermittent loss of CMP or CKP
P1398	Mis-Fire Adaptive Numerator at Limit
P1399	Wait to start lamp circuit
P1403	No 5 volt feed to EGR
P1475	Auxiliary 5 volt supply is too high
P1476	Too little secondary air
P1477	Too much secondary air
P1478	Battery Temp Sensor Volts out of limit
P1479	Transmission Fan Relay Circuit
P1480	PCV Solenoid Circuit
P1481	Elect Auto Transaxle RPM pulse generator performance
P1482	Catalyst Temperature Sensor Circuit shorted low
P1483	Catalyst Temperature Sensor Circuit shorted high
P1484	Catalytic Converter overheat detected
P1485	Air injection solenoid circuit
P1486	EVAP Leak Monitor found a pinched hose
P1487	Hi Speed Fan #2 Circuit
P1488	Auxiliary 5 volt supply output is too low
P1489	High speed fan control relay circuit
P1490	Low speed fan control relay circuit
P1491	Radiator fan relay control circuit
P1492	Ambient/ Battery Temp sensor input voltage too high
P1493	Ambient/ Battery Temp sensor input voltage too low
P1494	Leak detection pump pressure switch or mechanical fault
P1495	Leak detection pump solenoid circuit
P1496	5 volt supply, output too low
P1498	High speed radiator fan ground control relay circuit
P1500	General alternator 'FR' Terminal circuit fault
P1594	Charging system voltage too high
P1595	Speed control solenoid circuits
P1596	Speed control switch always high
P1597	Speed control switch always low
P1598	A/C pressure sensor input voltage too high
P1599	A/C pressure sensor input voltage too low
P1602	PCM Not Programmed
P1680	Clutch released switch circuit
P1681	No I/P Cluster CCD/ J1850 messages received
P1682	Charging system voltage too low
P1683	Speed control servo power control circuit
P1684	The battery has been disconnected within last 50 starts
P1685	Smart Key Immob Module has received an invalid key
P1686	No Smart Key Immobilizer Module bus message received
P1687	No Mechanical Instrument cluster bus message
P1688	Internal Fuel injection pump controller failure
P1689	No communication between the ECM and inj pump module
P1690	Fuel inj pump CKP sensor don't agree with ECM CKP sensr
P1691	Fuel injection pump controller calibration error
P1692	Fault in companion Engine control module
P1693	A companion DTC was set in both the ECM and PCM
P1694	No CCD message from PCM- Aisin transmission
P1695	No CCD message from body control module
P1696	PCM failure EEPROM write denied
P1697	PCM Fail Service Reminder Indicator mileage not stored
P1698	No CCD message from TCM

P1719	Skip shift solenoid circuit
P1740	TCC solenoid or overdrive solenoid performance
P1756	Governor pressure not equal to target at 15-20 psi
P1757	Governor pressure is above 3 PSI when 0 PSI is requested
P1762	Governor pressure sensor offset improper voltage
P1763	Governor pressure sensor voltage to high
P1764	Governor pressure sensor voltage to low
P1765	Transmission 12 volt supply relay control circuit
P1899	Park/ Neutral switch stuck in park or gear
P1031	O2 Sensors Reversed
P1146	Mass air flow circuit malfunction - Bank 2 (left)
P1147	ECT circuit malfunction - Bank 2 (left)
P1148	IAT circuit malfunction - Bank 2 (left)
P1149	MAP circuit malfunction - Bank 2 (left)
P1162	Throttle position sensor circuit failure - Bank 2 (left)
P1163	Oil level switch
P1170	Short Term Fuel Trim (Self-Adaptation of Fuel Mixture)
P1176	Oil pressure sensor open or short circuit, malfunction
P1177	Oil sensor, temperature incorrect
P1178	Oil sensor, engine oil level incorrect
P1179	Oil sensor, engine oil quality incorrect
P1180	Oil sensor, engine oil temperature too high
P1181	Engine electric-fan /Air conditioning malfunction
P1182	Starting system relay in fuse and relay module box
P1183	Right cylinders bank cut-off output stage malfunction
P1184	Left cylinders bank cut-off output stage malfunction
P1185	Water in engine oil, Oil sensor
P1186	Fuel safety shut-off recognized
P1225	Resonance intake manifold switchover valve circuit
P1235	Air-flap recirculated signal output stage faulty
P1236	A/C compressor output stage, magnetic combination incor
P1300	CKP sensor circuit failure - Bank 2 (left)
P1335	Engine Speed Signal from Diagnostic Module (OBD-II)
P1336	Crankshaft Sensor Signal Malfunction
P1337	Engine Speed Signal Trans from Engine Control Module
P1340	Camshaft Pos Sensor Monitoring from Engine Ctrl Module
P1341	Adjustable Camshaft Timing Solenoid without Function
P1342	Elect Activation of Adjustable Cam Timing Solenoid
P1384	Knock sensor circuit malfunction - Left front
P1385	Knock sensor circuit malfunction - Left rear
P1386	Knock sensor ctrl from control module - at limit
P1397	CMP sensor circuit range/performance - Bank 2 (left)
P1400	Electrical Activation of EGR Switchover Valve
P1420	Air-pump switchover valve circuit
P1443	Act of Upshift Delay Switchover Valve/EVAP 2#(left)
P1444	Pressure Switchover without Function (Logic Chain)
P1453	Air-pump relay, relay module, fuse or circuit
P1463	Left AIR system malfunction
P1490	EVAP system purge control valve circuit - Bank 2(left)
P1491	A/C system refrigerant pressure too high
P1492	Exhaust-flap faulty
P1519	Right/sole adj cam timing solenoid mechanically faulty
P1522	Left adjustable cam timing solenoid mechanically faulty
P1525	Right/sole adjustable cam timing solenoid faulty
P1533	Left adjustable camshaft timing solenoid faulty
P1542	Pedal position sensor signal
P1570	CAN signal(DAS - ME-SFI) - locked,interrupted,mismatch
P1580	Right or sole EA/CC/ISC Actuator circuit faulty
P1581	Left EA/CC/ISC Actuator circuit faulty
P1584	Stop lamp switch/Brake switch signal
P1587	Left engine control module voltage supply faulty
P1588	CAN bus signal(RCL controller to Left Eng controller)
P1589	Knock sensor ctrl from left engine controller at limit
P1603	CAN bus problem No data reception from EIS
P1605	CAN fault ABS speed sensor error vs VSS (RPM)
P1632	Left engine control module faulty

P1641	R/L CTP signal to eng_ctrl module/CAN bus comm_intrrupt
P1642	Engine control module incorrect coding(MT coded has AT)
P1643	Eng_ctrl module incorrect coding/CAN signal from Trans
P1644	Trans_ctrl module,volt_too low/Trans_version not checkd
P1700	Transmission Upshift Delay Switchover
P1701	Electrical Activation of Upshift Delay Switchover Valve
P1711	Activation of Resonance Intake Manifold Switchover VLV
P1740	Full Load Information (Load Implausible)
P1741	Full Load Info (Throttle Valve Position Implausible)
P1747	CAN signal failure from ETC/instrument cluster faulty
P1750	Battery Voltage Low
P1083	Fuel Control Limit Mixture too Lean (Bank 1 Sensor 1)
P1084	Fuel Control Limit Mixture too Rich (Bank 1 Sensor 1)
P1085	Fuel Control Limit Mixture too Lean (Bank 2 Sensor 1)
P1086	Fuel Control Limit Mixture too Rich (Bank 2 Sensor 1)
P1087	O2 Sensor Slow Resp_in Lean Ctrl Range(Bank1 Sensor1)
P1088	O2 Sensor Slow Res_in Rich Ctrl Range(Bank 1 Sensor 1)
P1089	O2 Sensor Slow Res_in Lean Ctrl Range(Bank 1 Sensor 2)
P1090	Pre Catalyst Fuel Trim System too Lean Bank 1
P1091	Pre Catalyst Fuel Trim System too Rich Bank 1
P1092	Pre Catalyst Fuel Trim System too Lean Bank 2
P1093	Pre Catalyst Fuel Trim System too Rich Bank 2
P1094	O2 Sensor Slow Resp_in Rich Ctrl Range(Bank2 Sensor1)
P1095	O2 Sensor Signal Slow Switching From Lean to Rich(B1S1)
P1096	O2 Sensor Signal Slow Switching From Lean to Rich(B2S1)
P1097	O2 Sensor Slow Resp_after Coast Down Fuel Cut-Off(B1S2)
P1098	O2 Sensor Slow Resp_after Coast Down Fuel Cut-Off(B2S2)
P1111	Engine Coolant Temp_Radiator Outlet Sensor Low Input
P1112	Engine Coolant Temp_Radiator Outlet Sensor High Input
P1115	Coolant Temperature Sensor Plausibility
P1116	Mass or Volume Air Flow Range/Performance Problem(Bank2)
P1117	Mass or Volume Air Flow Circuit Low Input (Bank 2)
P1118	Mass or Volume Air Flow Circuit High Input (Bank 2)
P1120	Pedal Position Sensor Circuit
P1121	Pedal Position Sensor 1 Range/Performance Problem
P1122	Pedal Position Sensor 1 Low Input
P1123	Pedal Position Sensor 1 High Input
P1132	O2 Sensor Heater Control Circuit (Bank 1 Sensor 1)
P1133	O2 Sensor Heater Control Circuit (Bank 2 Sensor 1)
P1134	O2 Sensor Heater Circuit Signal Intermittent(B1S1)
P1135	O2 Sensor Heater Circuit Low Voltage(Bank 1 Sensor 1)
P1136	O2 Sensor Heater Circuit High Voltage(Bank 1 Sensor 1)
P1137	O2 Sensor Heater Signal Intermittent (Bank 1 Sensor 2)
P1138	O2 Sensor Heater Circuit Low Voltage (Bank 1 Sensor 2)
P1139	O2 Sensor Heater Circuit High Voltage (Bank 1 Sensor 2)
P1140	Mass or Volume Air Flow Circuit Range/Performance
P1145	Solenoid Valve Running Losses Control Circuit Elect
P1151	O2 Sensor Heater Signal Intermittent(Bank2 Sensor1)
P1152	O2 Sensor Heater Circuit Low Voltage (Bank 2 Sensor 1)
P1153	O2 Sensor Heater Circuit High Voltage (Bank 2 Sensor 1)
P1155	O2 Sensor Heater Signal Intermittent (Bank 2 Sensor 2)
P1156	O2 Sensor Heater Circuit Low Voltage (Bank 2 Sensor 2)
P1157	O2 Sensor Heater Circuit High Voltage (Bank 2 Sensor 2)
P1158	Fuel Trim Adaptation Additive Bank 1 Low
P1159	Fuel Trim Adaptation Additive Bank 1 High
P1160	Fuel Trim Adaptation Additive Bank 2 Low
P1161	Fuel Trim Adapt Additive Bank2 High/Eng_Oil Temp_Sensor
P1162	Fuel Trim Adaptation Additive per Ignition Bank 1 Low
P1163	Fuel Trim Adaptation Additive per Ignition Bank 1 High
P1164	Fuel Trim Adaptation Additive per Ignition Bank 2 Low
P1165	Fuel Trim Adaptation Additive per Ignition Bank 2 High
P1174	Fuel Trim Adaptation Additive Bank 1 Malfunction
P1175	Fuel Trim Adaptation Additive Bank 2 Malfunction
P1176	O2 Sensor Slow Response Bank 1
P1177	O2 Sensor Slow Response Bank 2
P1178	O2 Sensor Signal Slow Switch(Rich to Lean)-Bank1Sensor1

P1179	O2 Sensor Signal Slow Switch(Rich to Lean)-Bank2Sensor1
P1180	O2 Sensor Signal Slow Switch(Rich to Lean)-Bank1Sensor2
P1181	O2 Sensor Signal Slow Switch(Rich to Lean)-Bank2Sensor2
P1182	O2 Sensor(Bank1 Sensor2)Open During Coast Down Fuel Cut
P1183	O2 Sensor(Bank2 Sensor2)Open During Coast Down Fuel Cut
P1186	O2 Sensor Heater Control Circuit (Bank 1 Sensor 2)
P1187	O2 Sensor Heater Control Circuit (Bank 2 Sensor 2)
P1188	Fuel Control (Bank 1 Sensor 1
P1189	Fuel Control (Bank 2 Sensor 1)
P1190	Pre Catalyst Fuel Trim System Bank 1
P1191	Pre Catalyst Fuel Trim System Bank 2
P1192	Post Catalyst Fuel Trim System Bank 1
P1193	Post Catalyst Fuel Trim System Bank 2
P1221	Pedal Position Sensor 2 Range/Performance Problem
P1222	Pedal Position Sensor 2 Low Input
P1223	Pedal Position Sensor 2 High Input
P1270	Unit Self-Test/Torque Monitor/MAF Sensor Bank Plausibi
P1271	Ambient Air Pressure Sensor Electrical
P1283	Switch Solenoid for Air Assist Inj Valves B1 Electrical
P1284	Switch Solenoid for Air Assist Inj Valves B1 Signal Low
P1285	Switch Solenoid for Air Assist Inj Valves B1 SignalHigh
P1287	Switch Solenoid for Air Assist Inj Valves B2 Electrical
P1288	Switch Solenoid for Air Assist Inj Valves B2 Signal Low
P1289	Switch Solenoid for Air Assist Inj Valves B2 SignalHigh
P1313	A Camshaft Position Actuator Plausibility
P1317	B Camshaft Position Actuator Plausibility
P1327	Knock Sensor 2 (Bank 1) Low Input
P1328	Knock Sensor 2 (Bank)) High Input
P1332	Knock Sensor 4 Low Input
P1333	Knock Sensor 4 High Input
P1340	Multiple Cylinder Misfire During Start
P1341	Multiple Cylinder Misfire with Fuel Cut-Off
P1342	Misfire During Start Cylinder 1
P1343	Misfire Cylinder 1 with Fuel Cut-Off
P1344	Misfire During Start Cylinder 2
P1345	Misfire Cylinder 2 with Fuel Cut-Off
P1346	Misfire During Start Cylinder 3
P1347	Misfire Cylinder 3 with Fuel Cut-Off
P1348	Misfire During Start Cylinder 4
P1349	Misfire Cylinder 4 with Fuel Cut-Off
P1350	Misfire during Start Cylinder 5
P1351	Misfire Cylinder 5 with Fuel Cut-Off
P1352	Misfire during Start Cylinder 6
P1353	Misfire Cylinder 6 with Fuel Cut-Off
P1354	Misfire during Start Cylinder 7
P1355	Misfire Cylinder 7 with Fuel Cut-Off
P1356	Misfire during Start Cylinder 8
P1357	Misfire Cylinder 8 with Fuel Cut-Off
P1358	Misfire during Start Cylinder 9
P1359	Misfire Cylinder 9 with Fuel Cut-Off
P1360	Misfire during Start Cylinder 10
P1361	Misfire Cylinder 10 with Fuel Cut-Off
P1362	Misfire during Start Cylinder 11
P1363	Misfire Cylinder 11 with Fuel Cut-Off
P1364	Misfire during Start Cylinder 12
P1365	Misfire Cylinder 12 with Fuel Cut-Off
P1384	Knock Sensor 3 Circuit
P1385	Knock Sensor 4 Circuit
P1386	Ctrl Module Self-Test/Knock Ctrl Baseline Test Bank 1
P1396	Crankshaft Position Sensor Segment Timing Plausibility
P1397	Camshaft Position SensorB Circuit (Bank 1)
P1400	Heated Catalyst Voltage or Current too Low (Bank 1)
P1401	Heated Catalyst Current too High during Heating(Bank 1)
P1402	Heated Catalyst Power Switch Over temp Condition(Bank1)
P1403	Canister Shut-Off Valve Ctrl Elec /Heat Vol/Cur Low(2#)
P1404	Heated Catalyst Current too High during Heating (Bank2)

P1405	Heated Catalyst Power SW Overtemperature Condition(2#)
P1406	Heated Catalyst Internal Ctrl Module Checksum/ROM Error
P1413	2nd Air Injection Pump Relay Control Circuit Signal Low
P1414	2nd Air Injection Pump Relay Control Signal High
P1420	Secondary Air Valve Control Circuit Electrical
P1421	Secondary Air System Bank 2
P1423	Secondary Air System Bank 1
P1432	Secondary Air Injection System Incorrect Flow Detected
P1438	Purge Control Valve Control Open Circuit
P1439	Purge Control Valve Control Circuit Signal Low
P1440	Purge Control Valve Control Circuit Signal High
P1441	Leakage Diagnostic Pump Control Open Circuit
P1442	Leakage Diagnostic Pump Control Circuit Signal Low
P1443	Leakage Diagnostic Pump Control Circuit Signal High
P1444	Diagnostic Module Tank Leakage Pump Ctrl Open Circuit
P1445	Diagnostic Module Tank Leakage Pump Ctrl Signal Low
P1446	Diagnostic Module Tank Leakage Pump Ctrl Signal High
P1447	Diagnostic Module Tank Leakage Pump Current High
P1448	Diagnostic Module Tank Leakage Pump Current Low
P1449	Diagnostic Module Tank Leakage Pump Current High
P1450	Diag Module Tank Leakage Switching Solenoid Ctrl Open
P1451	Diag Module Tank Leakage Switching Solenoid Signal Low
P1452	Diag Module Tank Leakage Switching Solenoid Signal High
P1453	Secondary Air Injection Pump Relay Control Electrical
P1454	2nd Air Injection Pump with Series Resistor Ctrl Elect
P1456	Heated Catalyst Heater Power Supply Open Circuit(Bank1)
P1457	Heated Catalyst Power Switch Temp Sensor Electrical(1#)
P1459	Heated Catalyst Heater Power Supply Open Circuit(Bank2)
P1460	Heated Catalyst Power Switch Temp Sensor Elect (Bank 2)
P1461	Heated Catalyst Gate Voltage Signal Low
P1462	Heated Catalyst Internal Ctrl Module Checksum/EEPROM
P1463	Heated Catalyst Battery Temperature Sensor 1 Electrical
P1464	Heated Catalyst Battery Temperature Sensor 2 Electrical
P1465	Heated Catalyst Battery Temp Sensor 1/2 Plausibility
P1466	Heated Catalyst Power Switch Temp Sensor Plausibility
P1467	Heated Catalyst Comparison Vol of Power SW Plausibility
P1468	Heated Catalyst Battery Disconnecting SW Plausibility
P1470	Leakage Diagnostic Pump Control Circuit Electrical
P1472	Diagnostic Module Tank Leakage Switching Solenoid Elec
P1473	Diag Module Tank Leakage Pump Current Plausibility
P1475	Leakage Diagnostic Pump Reed Switch Did Not
P1476	Close Leakage Diag Pump Clamped Tube
P1477	Leakage Diagnostic Pump Reed Switch Did Not Open
P1500	Idle-Speed Control Valve Stuck Open
P1501	Idle-Speed Control Valve Stuck Closed
P1502	Idle Control Valve Closing Solenoid Control Signal High
P1503	Idle Control Valve Closing Solenoid Control Signal Low
P1504	Idle Control Valve Closing Solenoid Ctrl Open Circuit
P1505	Idle Control Valve Closing Solenoid Ctrl Electrical
P1506	Idle Control Valve Opening Solenoid Ctrl Signal High
P1507	Idle Control Valve Opening Solenoid Ctrl Signal Low
P1508	Idle Control Valve Opening Solenoid Ctrl Open Circuit
P1509	Idle Control Valve Opening Solenoid Ctrl Electrical
P1510	Idle Control Valve Stuck
P1511	Differentiated Intake Manifold Control Circuit Electr
P1512	Differentiated Intake Manifold Control Signal Low
P1513	Differentiated Intake Manifold Control Signal High
P1519	A Camshaft Position Actuator Bank 1
P1520	B Camshaft Position Actuator Bank 1
P1522	A Camshaft Position Actuator Bank 2
P1523	A Cam Pos Actuator Signal Low Bank 1 / Tight or Jammed
P1524	A Camshaft Position Actuator Ctrl Signal High Bank 1
P1525	A Camshaft Position Actuator Ctrl Open Circuit Bank 1
P1526	A Camshaft Position Actuator Ctrl Open Circuit Bank 2
P1527	A Cam Position Actuator Ctrl Circuit Signal Low Bank 2
P1528	A Cam Position Actuator Ctrl Circuit Signal High Bank 2

P1529	B Cam Position Actuator Ctrl Circuit Signal Low Bank 1
P1530	B Cam Position Actuator Ctrl Circuit Signal High Bank 1
P1531	B Camshaft Position Actuator Control Open Circuit Bank1
P1532	B Camshaft Position Actuator Control Open Circuit Bank2
P1533	B Cam Position Actuator Ctrl Circuit Signal Low Bank 2
P1534	B Cam Position Actuator Ctrl Circuit Signal High Bank 2
P1540	Pedal Position Sensor
P1541	Pedal Position Sensor Double Error
P1542	Pedal Position Sensor Electrical
P1543	Pedal Position Sensor
P1544	Pedal Position Sensor
P1545	Pedal Position Sensor
P1546	Pedal Position Sensor
P1550	Idle Control Valve Closing Solenoid Ctrl Electrical
P1551	A" Camshaft Position Actuator Control Open Circuit Bank 1
P1552	A Camshaft Position Actuator Ctrl Open Circuit Bank 1
P1556	A Camshaft Position Actuator Ctrl Open Circuit Bank 1
P1560	B Camshaft Position Actuator Ctrl Open Circuit Bank 1
P1564	Control Module Selection
P1565	B Camshaft Position Actuator Control Open Circuit Bank1
P1569	A Camshaft Position Actuator Control Open Circuit Bank2
P1573	Electronic Control Module Sensor Supply B Low Output
P1580	Throttle Valve Mechanically Stuck
P1581	B Camshaft Position Actuator Control Open Circuit Bank2
P1589	Ctrl Module Self-Test; Knock Control Test Pulse Bank 1
P1593	Differentiated Intake Manifold Ctrl Circuit Electrical
P1594	B Camshaft Position Actuator Control Open Circuit Bank2
P1602	Control Module Self-Test; Control Module Detective
P1603	Control Module Self-Test; Torque Monitoring
P1604	Control Module Self-Test; Speed Monitoring
P1607	CAN-Version
P1608	Serial Communication Link Control Module
P1609	Serial Comm Link Electronical Engine-Power Regulation
P1611	Serial Communication Link Transmission Control Module
P1619	Map Cooling Thermostat Control Circuit Signal Low
P1620	Map Cooling Thermostat Control Circuit Signal High
P1622	Map Cooling Thermostat Control Circuit Electrical
P1623	Pedal Position Sensor Potentiometer Supply
P1624	Pedal Pos Sensor Potentiometer Supply Channel 1 Elect
P1625	Pedal Pos Sensor Potentiometer Supply Channel 2 Elect
P1632	Throttle Valve Adaptation;Adaptation Conditions Not Met
P1633	Throttle Valve Adaptation; Limp Home Position Unknown
P1634	Throttle Valve Adaptation; Spring Test Failed
P1635	Throttle Valve Adapt;Lower Mechanical Stop not Adapted
P1636	Throttle Valve Control Circuit
P1637	Throttle Valve Position Control; Control Deviation
P1638	Throttle Valve Pos Ctrl; Throttle Stuck Temporarily
P1639	Throttle Valve Pos Ctrl; Throttle Stuck Permanently
P1640	Internal Control Module (ROM/RAM) Error
P1691	Malfunction Indicator Lamp (MIL) Electrical
P1734	Pressure Control SolenoidB Electrical
P1738	Pressure Control SolenoidC Electrical
P1743	Pressure Control SolenoidE Electrical/Brake Band Elect
P1744	Pressure Control SolenoidA Electrical
P1746	Transmission Control Module Output Stage
P1747	CAN-Bus Monitoring
P1748	Transmission Control Module Self-Test
P1749	2nd Pres Solenoid Comm Err /Ctrl Module Internal Memory
P1750	Secondary Pressure Solenoid Circuit Range/Performance
P1751	2nd Pres Solenoid Open / System Voltage Input High
P1761	Shift lock Solenoid Malfunction
P1765	CAN Throttle Valve
P1770	CAN Torque Interface
P1780	CAN Torque Reduction
P1023	Fuel pressure control valve - short to earth
P1024	Fuel pressure control valve - open circuit

P1025	Fuel pressure control valve - mechanical fault
P1026	Intake manifold air control solenoid -short to positive
P1027	Intake manifold air control solenoid - short to earth
P1028	Intake manifold air control solenoid - open circuit
P1029	Intake manifold air ctrl valve pos up limit not reached
P1030	Intake manifold air ctrl valve pos low limit not reach
P1031	Intake manifold air ctrl valve pos - spec not attained
P1032	Nitrogen oxides (NOX) sensor - signal too high
P1033	Nitrogen oxides (NOX) sensor - signal too low
P1034	Nitrogen oxides (NOX) sensor - signal outside tolerance
P1035	Nitrogen oxides (NOX) sensor - range/ performance
P1036	Nitrogen oxides (NOX) heater sensor - short to
P1037	Nitrogen oxides (NOX) heater sensor - short to , earth
P1038	Nitrogen oxides (NOX) heater sensor - open circuit
P1039	Injector 1, supply voltage - short circuit
P1040	Injector 1, supply voltage - circuit malfunction
P1041	Injector 2, supply voltage - short circuit
P1042	Injector 2, supply voltage - circuit malfunction
P1043	Injector 3, supply voltage - short circuit
P1044	Injector 3, supply voltage - circuit malfunction
P1045	Injector 4, supply voltage - short circuit
P1046	Injector 4, supply voltage - circuit malfunction
P1047	Cam pos actuator,exhaust/right/rear,B1-circuit malfun
P1048	Cam pos actuator,exhaust/right/rear,B1-short to +
P1049	Cam pos actuator,exhaust/right/rear,B1-short to GND
P1050	Cam pos actuator,exhaust/right/rear,B1-open circuit
P1063	Fuel pressure - control limit not reached
P1064	Fuel pressure - mechanical fault
P1065	Fuel pressure - system deviation
P1066	Intake manifold air control solenoid -short to positive
P1067	Intake manifold air control solenoid - short to earth
P1068	Intake manifold air control solenoid - open circuit
P1069	Nitrogen oxides sensor - heater control -short to earth
P1070	Nitrogen oxides sensor -heater ctrl -short to positive
P1071	Nitrogen oxides sensor - heater ctrl - incorrect signal
P1072	Nitrogen oxides sensor -heater ctrl/circuit malfunction
P1093	Mixture control (MC), bank 1 - malfunction
P1101	O2 Sensor Circ ,Bank1-Sensor1Voltage too Low/Air Leak
P1102	O2 Sensor Heating Circ ,Bank1-Sensor1 Short to B+
P1103	O2 Sensor Heating Circ ,Bank1-Sensor1 Output too Low
P1104	Bank1-Sensor2 Voltage too Low/Air Leak
P1105	O2 Sensor Heating Circ ,Bank1-Sensor2 Short to B+
P1106	O2 Sensor Circ ,Bank2-Sensor1 Voltage too Low/Air Leak
P1107	O2 Sensor Heating Circ ,Bank2-Sensor1 Short to B+
P1108	O2 Sensor Heating Circ ,Bank2-Sensor1 Output too Low
P1109	O2 Sensor Circ ,Bank2-Sensor2 Voltage too Low/Air Leak
P1110	O2 Sensor Heating Circ ,Bank2-Sensor2 Short to B+
P1111	O2 Control (Bank 1) System too lean
P1112	O2 Control (Bank 1) System too rich
P1113	Bank1-Sensor1 Internal Resistance too High
P1114	Bank1-Sensor2 Internal Resistant too High
P1115	O2 Sensor Heater Circ ,Bank1-Sensor1 Short to Ground
P1116	O2 Sensor Heater Circ ,Bank1-Sensor1 Open
P1117	O2 Sensor Heater Circ ,Bank1-Sensor2 Short to Ground
P1118	O2 Sensor Heater Circ ,Bank1-Sensor2 Open
P1119	O2 Sensor Heater Circ ,Bank2-Sensor1 Short to Ground
P1120	O2 Sensor Heater Circ ,Bank2-Sensor1 Open
P1121	O2 Sensor Heater Circ ,Bank2-Sensor2 Short to Ground
P1122	O2 Sensor Heater Circ ,Bank2-Sensor2 Open
P1123	Long Term Fuel Trim Add Air ,Bank1 System too Rich
P1124	Long Term Fuel Trim Add Air ,Bank1 System too Lean
P1125	Long Term Fuel Trim Add Air ,Bank2 System too Rich
P1126	Long Term Fuel Trim Add Air ,Bank2 System too Lean
P1127	Long Term Fuel Trim mult ,Bank1 System too Rich
P1128	Long Term Fuel Trim mult ,Bank1 System too Lean
P1129	Long Term Fuel Trim mult ,Bank2 System too Rich

P1130	Long Term Fuel Trim mult ,Bank2 System too Lean
P1131	Bank2-Sensor1 Internal Resistance too High
P1132	O2 Sensor Heating Circ ,Bank1+2-Sensor1 Short to B+
P1133	O2 Sensor Heating Circ ,Bank1+2-Sensor1 Elect Malfun
P1134	O2 Sensor Heating Circ ,Bank1+2-Sensor2 Short to B+
P1135	O2 Sensor Heating Circ ,Bank1+2-Sensor2 Elect Malfun
P1136	Long Term Fuel Trim Add Fuel,Bank1 System too Lean
P1137	Long Term Fuel Trim Add Fuel,Bank1 System too Rich
P1138	Long Term Fuel Trim Add Fuel,Bank2 System too Lean
P1139	Long Term Fuel Trim Add Fuel,Bank2 System too Rich
P1140	Bank2-Sensor2 Internal Resistance too High
P1141	Load Calculation Cross Check Range/Performance
P1142	Load Calculation Cross Check Lower Limit Exceeded
P1143	Load Calculation Cross Check Upper Limit Exceeded
P1144	Mass or Volume Air Flow Circ Open/Short to Ground
P1145	Mass or Volume Air Flow Circ Short to B+
P1146	Mass or Volume Air Flow Circ Supply Malfunction
P1147	O2 Control (Bank 2) System too lean
P1148	O2 Control (Bank 2) System too rich
P1149	O2 Control (Bank 1) Out of range
P1150	O2 Control (Bank 2) Out of range
P1151	Bank1,Long Term Fuel Trim,Range 1 Lean Lower Lmt Exced
P1152	Bank1,Long Term Fuel Trim,Range 2 Lean Lower Lmt Exced
P1153	Heated oxygen sensor (HO2S) 2, banks 1 & 2 interchanged
P1154	Manifold Switch Over Malfunction
P1155	Manifold Abs Pressure Sensor Circ Short to B+
P1156	Manifold Abs Pressure Sensor Circ Open/Short to Ground
P1157	Manifold Abs Pressure Sensor Circ Power Supply Malfun
P1158	Manifold Abs Pressure Sensor Circ Range/Performance
P1159	Mass air flow sensor, banks 1 & 2 - implausible ratio
P1160	Manifold Temp Sensor Circ Short to Ground
P1161	Manifold Temp Sensor Circ Open/Short to B+
P1162	Fuel Temp Sensor Circ Short to Ground
P1163	Fuel Temp Sensor Circ Open/Short to B+
P1164	Fuel Temp Sensor Range/Performance/Incorrect Signal
P1165	Bank1, Long Term Fuel Trim, Range 1 Rich Limit Exceeded
P1166	Bank1, Long Term Fuel Trim, Range 2 Rich Limit Exceeded
P1167	Mass air flow sensor, bank 2 - range/ performance
P1168	Mass air flow sensor, bank 2 - low input
P1169	Mass air flow (MAF) sensor, bank 2 - high input
P1170	Mass air flow (MAF) sensor, bank 2 - supply voltage
P1171	Throttle Actuation Potentiometer Sign 2 Range/Perform
P1172	Throttle Actuation Potentiometer Sign 2 Signal too Low
P1173	Throttle Actuation Potentiometer Sign 2 Sign too High
P1174	Fuel Trim, Bank 1 Different injection times
P1176	O2 Correction Behind Catalyst,B1 Limit Attained
P1177	O2 Correction Behind Catalyst,B2 Limit Attained
P1178	Linear O2 Sensor / Pump Current Open Circuit
P1179	Linear O2 Sensor / Pump Current Short to ground
P1180	Linear O2 Sensor / Pump Current Short to B+
P1181	Linear O2 Sensor / Reference Voltage Open Circuit
P1182	Linear O2 Sensor / Reference Voltage Short to ground
P1183	Linear O2 Sensor / Reference Voltage Short to B+
P1184	Linear O2 Sensor / Common Ground Wire Open Circuit
P1185	Linear O2 Sensor / Common Ground Wire Short to ground
P1186	Linear O2 Sensor / Common Ground Wire Short to B+
P1187	Linear O2 Sensor / Compens Resistor Open Circuit
P1188	Linear O2 Sensor / Compens Resistor Short to ground
P1189	Linear O2 Sensor / Compens Resistor Short to B+
P1190	Linear O2 Sensor / Reference Voltage Incorrect Signal
P1191	Heated oxygen sensor (HO2S) 1, banks 1&2 -interchanged
P1192	Fuel pressure sensor - supply voltage
P1193	Fuel pressure sensor - open circuit/short to positive
P1194	Fuel pressure control valve - short to positive
P1195	Fuel pressure control valve - open circuit/short to GND
P1196	O2 Sensor Heater Circ ,Bank1-Sensor1 Electrical Malfun

P1197	O2 Sensor Heater Circ ,Bank2-Sensor1 Electrical Malfun
P1198	O2 Sensor Heater Circ ,Bank1-Sensor2 Electrical Malfun
P1199	O2 Sensor Heater Circ ,Bank2-Sensor2 Electrical Malfun
P1201	Cyl 1-Fuel Inj Circ Electrical Malfunction
P1202	Cyl 2-Fuel Inj Circ Electrical Malfunction
P1203	Cyl 3-Fuel Inj Circ Electrical Malfunction
P1204	Cyl 4-Fuel Inj Circ Electrical Malfunction
P1205	Cyl 5-Fuel Inj Circ Electrical Malfunction
P1206	Cyl 6-Fuel Inj Circ Electrical Malfunction
P1207	Cyl 7-Fuel Inj Circ Electrical Malfunction
P1208	Cyl 8-Fuel Inj Circ Electrical Malfunction
P1209	Intake valves for cylinder shut-off Short to ground
P1210	Intake valves for cylinder shut-off Short to B+
P1211	Intake valves for cylinder shut-off Open circuit
P1213	Cyl 1-Fuel Inj Circ Short to B+
P1214	Cyl 2-Fuel Inj Circ Short to B+
P1215	Cyl 3-Fuel Inj Circ Short to B+
P1216	Cyl 4-Fuel Inj Circ Short to B+
P1217	Cyl 5-Fuel Inj Circ Short to B+
P1218	Cyl 6-Fuel Inj Circ Short to B+
P1219	Cyl 7-Fuel Inj Circ Short to B+
P1220	Cyl 8-Fuel Inj Circ Short to B+
P1221	Cylinder shut-off exhaust valves Short to ground
P1222	Cylinder shut-off exhaust valves Short to B+
P1223	Cylinder shut-off exhaust valves Open circuit
P1225	Cyl 1-Fuel Inj Circ Short to Ground
P1226	Cyl 2-Fuel Inj Circ Short to Ground
P1227	Cyl 3-Fuel Inj Circ Short to Ground
P1228	Cyl 4-Fuel Inj Circ Short to Ground
P1229	Cyl 5-Fuel Inj Circ Short to Ground
P1230	Cyl 6-Fuel Inj Circ Short to Ground
P1231	Cyl 7-Fuel Inj Circ Short to Ground
P1232	Cyl 8-Fuel Inj Circ Short to Ground
P1237	Cyl 1-Fuel Inj Circ Open Circ
P1238	Cyl 2-Fuel Inj Circ Open Circ
P1239	Cyl 3-Fuel Inj Circ Open Circ
P1240	Cyl 4-Fuel Inj Circ Open Circ
P1241	Cyl 5-Fuel Inj Circ Open Circ
P1242	Cyl 6-Fuel Inj Circ Open Circ
P1243	Cyl 7-Fuel Inj Circ Open Circ
P1244	Cyl 8-Fuel Inj Circ Open Circ
P1245	Needle Lift Sensor Circ Short to Ground
P1246	Needle Lift Sensor Circ Range/Performance
P1247	Needle Lift Sensor Circ Open/Short to B+
P1248	Injection Start Control Deviation
P1249	Fuel consumption signal Electrical Fault in Circuit
P1250	Fuel Level Too Low
P1251	Start of Injection Solenoid Circ Short to B+
P1252	Start of Injection Solenoid Circ Open/Short to Ground
P1253	Fuel consumption signal Short to ground
P1254	Fuel consumption signal Short to B+
P1255	Engine Coolant Temp Circ Short to Ground
P1256	Engine Coolant Temp Circ Open/Short to B+
P1257	Engine Coolant System Valve Open
P1258	Engine Coolant System Valve Short to B+
P1259	Engine Coolant System Valve Short to Ground
P1260	Injector 1 - implausible signal
P1261	Injector 1 - control limit exceeded
P1262	Injector 1 - control limit not reached
P1263	Injector 2 - implausible signal
P1264	Injector 2 - control limit exceeded
P1265	Injector 2 - control limit not reached
P1266	Injector 3 - implausible signal
P1267	Injector 3 - control limit exceeded
P1268	Injector 3 - control limit not reached
P1269	Injector 4 - implausible signal

P1270	Injector 4 - control limit exceeded
P1271	Injector 4 - control limit not reached
P1278	Fuel metering solenoid - short to positive
P1279	Fuel metering solenoid - open circuit/short to earth
P1280	Fuel Inj Air Contr Valve Circ Flow too Low
P1281	Fuel metering solenoid - short to earth
P1282	Fuel metering solenoid - open circuit
P1283	Fuel Inj Air Contr Valve Circ Electrical Malfunction
P1284	Fuel Inj Air Contr Valve Circ Open
P1285	Fuel Inj Air Contr Valve Circ Short to Ground
P1286	Fuel Inj Air Contr Valve Circ Short to B+
P1287	Turbocharger bypass valve open
P1288	Turbocharger bypass valve short to B+
P1289	Turbocharger bypass valve short to ground
P1290	Eng coolant temp sensor,ECM ctrl cool sys -high input
P1291	Eng coolant temp sensor,ECM ctrl cool sys -high input
P1292	Engine coolant thermostat - open circuit
P1293	Engine coolant thermostat - short to positive
P1294	Engine coolant thermostat - short to earth
P1295	Turbocharger (TC), bypass - flow malfunction
P1296	Cooling system malfunction
P1297	Connection turbocharger - throttle valve pressure hose
P1299	Fuel metering solenoid - circuit malfunction
P1300	Misfire detected Reason: Fuel level too low
P1319	Knock Sensor 1 Circ Short to Ground
P1320	Knock Sensor 2 Circ Short to Ground
P1321	Knock Sensor 3 Circ Low Input
P1322	Knock Sensor 3 Circ High Input
P1323	Knock Sensor 4 Circ Low Input
P1324	Knock Sensor 4 Circ High Input
P1325	Cyl 1-Knock Contr Limit Attained
P1326	Cyl 2-Knock Contr Limit Attained
P1327	Cyl 3-Knock Contr Limit Attained
P1328	Cyl 4-Knock Contr Limit Attained
P1329	Cyl 5-Knock Contr Limit Attained
P1330	Cyl 6-Knock Contr Limit Attained
P1331	Cyl 7-Knock Contr Limit Attained
P1332	Cyl 8-Knock Contr Limit Attained
P1335	Engine Torque Monitoring 2 Control Limint Exceeded
P1336	Engine Torque Monitoring Adaptation at limit
P1337	Camshaft Pos Sensor,Bank1 Short to Ground
P1338	Camshaft Pos Sensor,Bank1 Open Circ /Short to B+
P1339	Crankshaft Pos /Engine Speed Sensor Cross Connected
P1340	Crankshaft-/Camshaft Pos Sens Signals Out of Sequence
P1341	Ignition Coil Power Output Stage 1 Short to Ground
P1342	Ignition Coil Power Output Stage 1 Short to B+
P1343	Ignition Coil Power Output Stage 2 Short to Ground
P1344	Ignition Coil Power Output Stage 2 Short to B+
P1345	Ignition Coil Power Output Stage 3 Short to Ground
P1346	Ignition Coil Power Output Stage 3 Short to B+
P1347	Bank2,Crankshaft-/Camshaft os Sens Sign Out of Sequence
P1348	Ignition Coil Power Output Stage 1 Open Circuit
P1349	Ignition Coil Power Output Stage 2 Open Circuit
P1350	Ignition Coil Power Output Stage 3 Open Circuit
P1351	Cam position sensor,bank 1 - range/performance problem
P1354	Modulation Piston Displ Sensor Circ Malfunction
P1355	Cyl 1, ignition circuit Open Circuit
P1356	Cyl 1, ignition circuit Short to B+
P1357	Cyl 1, ignition circuit Short to ground
P1358	Cyl 2, ignition circuit Open Circuit
P1359	Cyl 2, ignition circuit Short Circuit to B+
P1360	Cyl 2, ignition circuit Short Circuit to Ground
P1361	Cyl 3, ignition circuit Open Circuit
P1362	Cyl 3, ignition circuit Short Circuit to B+
P1363	Cyl 3, ignition circuit Short Circuit to ground
P1364	Cyl 4 ignition circuit Open Circuit

P1365	Cyl 4 ignition circuit Short circuit to B+
P1366	Cyl 4 ignition circuit Short circuit to ground
P1367	Cyl 5, ignition circuit Open Circuit
P1368	Cyl 5, ignition circuit Short Circuit to B+
P1369	Cyl 5, ignition circuit short to ground
P1370	Cyl 6, ignition circuit Open Circuit
P1371	Cyl 6, ignition circuit Short Circuit to B+
P1372	Cyl 6, ignition circuit short to ground
P1373	Cyl 7, ignition circuit Open Circuit
P1374	Cyl 7, ignition circuit Short Circuit to B+
P1375	Cyl 7, ignition circuit short to ground
P1376	Cyl 8, ignition circuit Open Circuit
P1377	Cyl 8, ignition circuit Short Circuit to B+
P1378	Cyl 8, ignition circuit short to ground
P1385	Engine control module (ECM) - defective
P1386	Internal Control Module Knock Control Circ Error
P1387	Internal Contr Module altitude sensor error
P1388	Internal Contr Module drive by wire error
P1389	Engine control module (ECM) 2 - defective
P1391	Camshaft Pos Sensor,Bank2 Short to Ground
P1392	Camshaft Pos Sensor,Bank2 Open Circ /Short to B+
P1393	Ignition Coil Power Output Stage 1 Electrical Malfun
P1394	Ignition Coil Power Output Stage 2 Electrical Malfun
P1395	Ignition Coil Power Output Stage 3 Electrical Malfun
P1396	Engine Speed Sensor Missing Tooth
P1397	Engine speed wheel Adaptation limit reached
P1398	Engine RPM signal, TD Short to ground
P1399	Engine RPM signal, TD Short Circuit to B+
P1400	EGR Valve Circ Electrical Malfunction
P1401	EGR Valve Circ Short to Ground
P1402	EGR Valve Circ Short to B+
P1403	EGR Flow Deviation
P1404	EGR Flow Basic Setting not carried out
P1406	EGR Temp Sensor Range/Performance
P1407	EGR Temp Sensor Signal too Low
P1408	EGR Temp Sensor Signal too High
P1409	Tank Ventilation Valve Circ Electrical Malfunction
P1410	Tank Ventilation Valve Circ Short to B+
P1411	Sec Air Inj Sys ,Bank2 Flow too Flow
P1412	EGR Different Pressure Sensor Signal too Low
P1413	EGR Different Pressure Sensor Signal too High
P1414	Sec Air Inj Sys ,Bank2 Leak Detected
P1415	Exhaust gas recirculation valve pos -lower lmt exceed
P1416	Exhaust gas recirculation valve pos -upper lmt exceed
P1417	Fuel Level Sensor Circ Signal too Low
P1418	Fuel Level Sensor Circ Signal too High
P1420	Sec Air Inj Valve Circ Electrical Malfunction
P1421	Sec Air Inj Valve Circ Short to Ground
P1422	Sec Air Inj Sys Contr Valve Circ Short to B+
P1423	Sec Air Inj Sys ,Bank1 Flow too Low
P1424	Sec Air Inj Sys ,Bank1 Leak Detected
P1425	Tank Vent Valve Short to Ground
P1426	Tank Vent Valve Open
P1427	Vacuum pump, brakes - short to positive
P1428	Vacuum pump, brakes - short to earth
P1429	Vacuum pump, brakes - open circuit
P1430	Vacuum pump, brakes - open circuit/short to positive
P1431	Vacuum pump, brakes - open circuit/short to earth
P1432	Sec Air Inj Valve Open
P1433	Sec Air Inj Sys Pump Relay Circ open
P1434	Sec Air Inj Sys Pump Relay Circ Short to B+
P1435	Sec Air Inj Sys Pump Relay Circ Short to ground
P1436	Sec Air Inj Sys Pump Relay Circ Electrical Malfunction
P1437	Exhaust gas recirculation valve/solenoid,B2-short to +
P1438	Exhaust gas recirculation valve/solenoid,B2 open/shrt -
P1439	EGR Potentiometer Error in Basic Seting

P1440	EGR Valve Power Stage Open
P1441	EGR Valve Circ Open/Short to Ground
P1442	EGR Valve Position Sensor Signal too high
P1443	EGR Valve Position Sensor Signal too low
P1444	EGR Valve Position Sensor range/performance
P1445	Catalyst Temp Sensor 2 Circ Range/Performance
P1446	Catalyst Temp Circ Short to Ground
P1447	Catalyst Temp Circ Open/Short to B+
P1448	Catalyst Temp Sensor 2 Circ Short to Ground
P1449	Catalyst Temp Sensor 2 Circ Open/Short to B+
P1450	Sec Air Inj Sys Circ Short to B+
P1451	Sec Air Inj Sys Circ Short to Ground
P1452	Sec Air Inj Sys Open Circ
P1453	Exhaust gas temperature sensor 1 open/short to B+
P1454	Exhaust gas temperature sensor short 1 to ground
P1455	Exhaust gas temperature sensor 1 range/performance
P1456	Exhaust gas temperature control bank 1 limit attained
P1457	Exhaust gas temperature sensor 2 open/short to B+
P1458	Exhaust gas temperature sensor 2 short to ground
P1459	Exhaust gas temperature sensor 2 range/performance
P1460	Exhaust gas temperature control bank 2 limit attained
P1461	Exhaust gas temperature control bank1 Range/Performance
P1462	Exhaust gas temperature control bank2 Range/Performance
P1465	Additive Pump Short Circuit to B+
P1466	Additive Pump Open/Short to Ground
P1467	EVAP Canister Purge Solenoid Valve Short Circuit to B+
P1468	EVAP Canister Purge Solenoid Valve Short Circuit to GND
P1469	EVAP Canister Purge Solenoid Valve Open Circuit
P1470	EVAP Emission Contr LDP Circ Electrical Malfunction
P1471	EVAP Emission Contr LDP Circ Short to B+
P1472	EVAP Emission Contr LDP Circ Short to Ground
P1473	EVAP Emission Contr LDP Circ Open Circ
P1474	EVAP Canister Purge Solenoid Valve electrical malfun
P1475	EVAP Emission Contr LDP Circ Malfun /Signal Circ Open
P1476	EVAP Emission Ctrl LDP Circ Malfun /Insufficient Vacuum
P1477	EVAP Emission Contr LDP Circ Malfunction
P1478	EVAP Emission Contr LDP Circ Clamped Tube Detected
P1479	Vacuum system, brakes - mechanical fault
P1500	Fuel Pump Relay Circ Electrical Malfunction
P1501	Fuel Pump Relay Circ Short to Ground
P1502	Fuel Pump Relay Circ Short to B+
P1503	Load signal from Alternator Term DF Range/performance
P1504	Intake Air Sys Bypass Leak Detected
P1505	Closed Throttle Pos Does Not Close/Open Circ
P1506	Closed Throttle Pos Switch Does Not Open/Short to GND
P1507	Idle Sys Learned Value Lower Limit Attained
P1508	Idle Sys Learned Value Upper Limit Attained
P1509	Idle Air Control Circ Electrical Malfunction
P1510	Idle Air Control Circ Short to B+
P1511	Intake Manifold Changeover Valve electrical malfunction
P1512	Intake Manifold Changeover Valve circuit Short to B+
P1513	Intake Manifold Changeover Valve2 circuit Short to B+
P1514	Intake Manifold Changeover Valve2 circuit Short to GND
P1515	Intake Manifold Changeover Valve circuit Short to GND
P1516	Intake Manifold Changeover Valve circuit Open
P1517	Main Relay Circ Electrical Malfunction
P1518	Main Relay Circ Short to B+
P1519	Intake Camshaft Contr ,Bank1 Malfunction
P1520	Intake Manifold Changeover Valve2 circuit Open
P1521	Intake Manifold Changeover Valve2 electrical malfunct
P1522	Intake Camshaft Contr ,Bank2 Malfunction
P1523	Crash Signal from Airbag Control Unit range/performance
P1524	Fuel pump relay - open circuit/short to earth
P1525	Intake Camshaft Ctrl Circ ,Bank1 Electrical Malfunction
P1526	Intake Camshaft Contr Circ ,Bank1 Short to B+
P1527	Intake Camshaft Contr Circ ,Bank1 Short to Ground

P1528	Intake Camshaft Contr Circ ,Bank1 Open
P1529	Camshaft Control Circuit Short to B+
P1530	Camshaft Control Circuit Short to ground
P1531	Camshaft Control Circuit open
P1532	Idle control - lean running speed below specification
P1533	Intake Camshaft Contr Circ,Bank2 Electrical Malfunct
P1534	Intake Camshaft Contr Circ ,Bank2 Short to B+
P1535	Intake Camshaft Contr Circ ,Bank2 Short to Ground
P1536	Intake Camshaft Contr Circ ,Bank2 Open
P1537	Engine Shutoff Solenoid Malfunction
P1538	Engine Shutoff Solenoid Open/Short to Ground
P1539	Clutch Vacuum Vent Valve Switch Incorrect signal
P1540	Vehicle Speed Sensor High Input
P1541	Fuel Pump Relay Circ Open
P1542	Throttle Actuation Potentiometer Range/Performance
P1543	Throttle Actuation Potentiometer Signal too Low
P1544	Throttle Actuation Potentiometer Signal too High
P1545	Throttle Pos Contr Malfunction
P1546	Boost Pressure Contr Valve Short to B+
P1547	Boost Pressure Contr Valve Short to Ground
P1548	Boost Pressure Contr Valve Open
P1549	Boost Pressure Contr Valve Short to Ground
P1550	Charge Pressure Deviation
P1551	Barometric Pressure Sensor Circ Short to B+
P1552	Barometric Pressure Sensor Circ Open/Short to Ground
P1553	Barometric/manifold pressure signal ratio out of range
P1554	Idle ctrl Throttle Pos Basic Setting Conditions not met
P1555	Charge Pressure Upper Limit exceeded
P1556	Charge Pressure Contr Negative Deviation
P1557	Charge Pressure Contr Positive Deviation
P1558	Throttle Actuator Electrical Malfunction
P1559	Idle Speed Contr Throttle Pos Adaptation Malfunction
P1560	Maximum Engine Speed Exceeded
P1561	Quantity Adjuster Deviation
P1562	Quantity Adjuster Upper Limit Attained
P1563	Quantity Adjuster Lower Limit Attained
P1564	Idle Speed Contr Throttle Pos Low Voltage During Adapt
P1565	Idle Speed Ctrl Throttle Pos lower limit not attained
P1566	Load signal from AC compressor range/performance
P1567	Load signal from AC compressor no signal
P1568	Idle Speed Contr Throttle Pos mechanical Malfunction
P1569	Cruise control switch Incorrect signal
P1570	Contr Module Locked
P1571	Left Eng Mount Solenoid Valve Short to B+
P1572	Left Eng Mount Solenoid Valve Short to ground
P1573	Left Eng Mount Solenoid Valve Open circuit
P1574	Left Eng Mount Solenoid Valve Elect fault in circuit
P1575	Right Eng Mount Solenoid Valve Short to B+
P1576	Right Eng Mount Solenoid Valve Short to ground
P1577	Right Eng Mount Solenoid Valve Open circuit
P1578	Right Eng Mount Solenoid Valve Elect fault in circuit
P1579	Idle Speed Contr Throttle Pos Adaptation not started
P1580	Throttle Actuator B1 Malfunction
P1581	Idle Control Throttle Pos Basic Setting Not Carried Out
P1582	Idle Adaptation at Limit
P1583	Transmission mount valves Short to B+
P1584	Transmission mount valves Short to ground
P1585	Transmission mount valves Open circuit
P1586	Engine mount solenoid valves Short to B+
P1587	Engine mount solenoid valves Short to ground
P1588	Engine mount solenoid valves Open circuit
P1589	AC/heater air temperature control switch-short to earth
P1590	AC/heater air temperature control switch - open circuit
P1592	Barometric /manifold absolute pres -implausible ratio
P1593	Altitude adaption - signal outside tolerance
P1599	Idle control - lean running speed above specification

P1600	Power Supply (B+) Terminal 15 Low Voltage
P1601	Engine control module (ECM) - supply voltage
P1602	Power Supply (B+) Terminal 30 Low Voltage
P1603	Internal Control Module Malfunction
P1604	Internal Control Module Driver Error
P1605	Rough Road/Acceleration Sensor Electrical Malfunction
P1606	Rough Road Spec Engine Torque ABS-ECU Elect Malfunction
P1607	Speed signal Error message from instrument cluster
P1608	Steering angle signal Error message from angle sensor
P1609	Crash shut-down activated
P1610	Engine control module (ECM) - defective
P1611	MIL Call-up Circ /Transm Contr Module Short to Ground
P1612	Electronic Control Module Incorrect Coding
P1613	MIL Call-up Circ Open/Short to B+
P1614	MIL Call-up Circ /Transm Contr Module Range/Performance
P1615	Engine Oil Temperature Sensor Circuit range/performance
P1616	Glow Plug/Heater Indicator Circ Short to B+
P1617	Glow Plug/Heater Indicator Circ Open/Short to Ground
P1618	Glow Plug/Heater Relay Circ Short to B+
P1619	Glow Plug/Heater Relay Circ Open/Short to Ground
P1620	Engine coolant temperature signal open/short to B+
P1621	Engine coolant temperature signal short to ground
P1622	Engine coolant temperature signal range/performance
P1623	Data Bus Powertrain No Communication
P1624	MIL Request Sign active
P1625	Data-Bus Powertrain Unplausible Message from Trans Ctrl
P1626	Data-Bus Powertrain Missing Message from Transm Contr
P1627	Data-Bus Powertrain missing message from fuel inj pump
P1628	Data-Bus Powertrain missing message from steering sensr
P1629	Data-Bus Powertrain missing message from distance ctrl
P1630	Accelera Pedal Pos Sensor 1 Signal too Low
P1631	Accelera Pedal Pos Sensor 1 Signal too High
P1632	Accelera Pedal Pos Sensor 1 Power Supply Malfunction
P1633	Accelera Pedal Pos Sensor 2 Signal too Low
P1634	Accelera Pedal Pos Sensor 2 Signal too High
P1635	Data Bus Powertrain missing message f air condit ctrl
P1636	Data Bus Powertrain missing message from Airbag ctrl
P1637	Data Bus Powertrain missing msg f central elect ctrl
P1638	Data Bus Powertrain missing message from clutch control
P1639	Accelera Pedal Pos Sensor 1+2 Range/Performance
P1640	Internal Contr Module (EEPROM) Error
P1641	Please check DTC Memory of Air Condition ECU
P1642	Please check DTC Memory of Airbag ECU
P1643	Please check DTC Memory of central electric ECU
P1644	Please check DTC Memory of clutch ECU
P1645	Data Bus Powertrain missing msg f all wheel drive ctrl
P1646	Please Check DTC Memory of all wheel drive ECU
P1647	Please check coding of ECUs in Data Bus Powertrain
P1648	Data Bus Powertrain Malfunction
P1649	Data Bus Powertrain Missing msg from ABS Ctrl Module
P1650	Data Bus Powertrain Missing msg fr instrument panel ECU
P1651	Data Bus Powertrain missing messages
P1652	Please check DTC Memory of transmission ECU
P1653	Please check DTC Memory of ABS Control Module
P1654	Please check DTC Memory of control panel ECU
P1655	Please check DTC Memory of ADR Control Module
P1656	A/C clutch relay circuit short to ground
P1657	A/C clutch relay circuit short to B+
P1658	Data Bus Powertrain Incorrect signal from ADR Controler
P1659	Engine coolant blower motor, speed 1 - short to +
P1660	Engine coolant blower motor, speed 1 - short to earth
P1661	Engine coolant blower motor, speed 2 - short to +
P1662	Engine coolant blower motor, speed 2 - short to earth
P1663	Injector, activation - short to positive
P1664	Injector, activation - current circuit
P1665	Injector - mechanical fault

P1666	Injector 1 - current circuit
P1667	Injector 2 - current circuit
P1668	Injector 3 - current circuit
P1669	Injector 4 - current circuit
P1672	Engine coolant blower motor, speed 1 -open short to GND
P1674	CAN data bus, instrumentation - incorrect signal
P1676	Drive by Wire-MIL Circ Electrical Malfunction
P1677	Drive by Wire-MIL Circ Short to B+
P1678	Drive by Wire-MIL Circ Short to Ground
P1679	Drive by Wire-MIL Circ Open
P1680	Limp-home mode - active
P1681	Contr Unit Programming, Programming not Finished
P1682	CAN data bus, ABS - implausible signal
P1683	CAN data bus, SRS - implausible signal
P1684	Contr Unit Programming Communication Error
P1686	Contr Unit Error Programming Error
P1690	Malfunction Indication Light Malfunction
P1691	Malfunction Indication Light Open
P1692	Malfunction Indication Light Short to Ground
P1693	Malfunction Indication Light Short to B+
P1694	Malfunction Indication Light Open/Short to Ground
P1696	CAN data bus, steering column elect - incorrect signal
P1704	Kick Down Switch Malfunction
P1705	Gear/Ratio Monitoring Adaptation limit reached
P1711	Wheel Speed Signal 1 Range/Performance
P1716	Wheel Speed Signal 2 Range/Performance
P1721	Wheel Speed Signal 3 Range/Performance
P1723	Starter Interlock Circ Open
P1724	Starter Interlock Circ Short to Ground
P1726	Wheel Speed Signal 4 Range/Performance
P1728	Different Wheel Speed Signals Range/Performance
P1729	Starter Interlock Circ Short to B+
P1730	Tiptronic switch, R-F189 short to earth
P1733	Tiptronic Switch Down Circ Short to Ground
P1739	Tiptronic Switch up Circ Short to Ground
P1740	Clutch temperature control
P1741	Clutch pressure adaptation at limit
P1742	Clutch torque adaptation at limit
P1743	Clutch slip control signal too high
P1744	Tiptronic Switch Recognition Circ Short to Ground
P1745	Solenoid valves ,supply voltage Short to B+
P1746	Transm Contr Unit Relay Malfunction
P1747	Transm Contr Unit Relay Open/Short to Ground
P1748	Transm Contr Unit Self-Check
P1749	Transm Contr Unit Incorrect Coded
P1750	Power Supply Voltage Low Voltage
P1751	Power Supply Voltage High Voltage
P1752	Power Supply Malfunction
P1760	Shift Lock Malfunction
P1761	Shift Lock Short to Ground
P1762	Shift Lock Short to B+
P1763	Shift Lock Open
P1764	Transmission temperature control
P1765	Hydraulic Pressure Sensor 2 adaptation at limit
P1766	Throttle Angle Signal Stuck Off
P1767	Throttle Angle Signal Stuck On
P1768	Hydraulic Pressure Sensor 2 Too High
P1769	Hydraulic Pressure Sensor 2 Too Low
P1770	Load Signal Range/Performance
P1771	Load Signal Stuck Off
P1772	Load Signal Stuck On
P1773	Hydraulic Pressure Sensor 1 Too High
P1774	Hydraulic Pressure Sensor 1 Too Low
P1775	Hydraulic Pressure Sensor 1 adaptation at limit
P1776	Hydraulic Pressure Sensor 1 range/performance
P1777	Hydraulic Pressure Sensor 2 range/performance

P1778	Solenoid EV7 Electrical Malfunction
P1780	Engine Intervention Readable
P1781	Engine Torque Reduction Open/Short to Ground
P1782	Engine Torque Reduction Short to B+
P1784	Shift up/down Wire Open/Short to Ground
P1785	Shift up/down Wire Short to B+
P1786	Reversing Light Circ Open
P1787	Reversing Light Circ Short to Ground
P1788	Reversing Light Circ Short to B+
P1789	Idle Speed Intervention Circ Error Msg from Eng Ctrl
P1790	Transmission Range Display Circ Open
P1791	Transmission Range Display Circ Short to Ground
P1792	Transmission Range Display Circ Short to B+
P1793	Output Speed Sensor 2 Circ No Signal
P1795	Vehicle Speed Signal Circ Open
P1796	Vehicle Speed Signal Circ Short to Ground
P1797	Vehicle Speed Signal Circ Short to B+
P1798	Output Speed Sensor 2 Circ Range/Performance
P1799	Output Speed Sensor 2 Circ Rpm too High
P1813	Pressure Contr Solenoid 1 Electrical
P1814	Pressure Contr Solenoid 1 Open/Short to Ground
P1815	Pressure Contr Solenoid 1 Short to B+
P1818	Pressure Contr Solenoid 2 Electrical
P1819	Pressure Contr Solenoid 2 Open/Short to Ground
P1820	Pressure Contr Solenoid 2 Short to B+
P1823	Pressure Contr Solenoid 3 Electrical
P1824	Pressure Contr Solenoid 3 Open/Short to Ground
P1825	Pressure Contr Solenoid 3 Short to B+
P1828	Pressure Contr Solenoid 4 Electrical
P1829	Pressure Contr Solenoid 4 Open/Short to Ground
P1830	Pressure Contr Solenoid 4 Short to B+
P1834	Pressure Contr Solenoid 5 Open/Short to Ground
P1835	Pressure Contr Solenoid 5 Short to B+
P1841	Engine/Transmission Control Modules Versions not match
P1842	Please check DTC Memory of instrument panel ECU
P1843	Please check DTC Memory of ADR Control Module
P1844	Please check DTC Memory of central electric control ECU
P1847	Please check DTC Memory of brake system ECU
P1848	Please check DTC Memory of engine ECU
P1849	Please check DTC Memory of transmission ECU
P1850	Data-Bus Powertrain Missing Message from Engine Contr
P1851	Data-Bus Powertrain Missing Message from Brake Contr
P1852	Data-Bus Powertrain Unplausible Message from Eng ctrl
P1853	Data-Bus Powertrain Unplausible Message from Brake ctrl
P1854	Data-Bus Powertrain Hardware Defective
P1855	Data-Bus Powertrain Software version Contr
P1856	Throttle/Pedal Pos Sensor A Circ Err Msg from Eng Ctrl
P1857	Load Signal Error Message from Engine Contr
P1858	Engine Speed Input Circ Error Message from Engine Ctrl
P1859	Brake Switch Circ Error Message from Engine Contr
P1860	Kick Down Switch Error Message from Engine Contr
P1861	Throttle Position (TP) sensor Error Message from ECM
P1862	Data Bus Powertrain Missing msg from instr panel ECU
P1863	Data Bus Powertrain Missing Msg from St Angle Sensor
P1864	Data Bus Powertrain Missing msg from ADR ctrl module
P1865	Data Bus Powertrain Missing message from central elect
P1866	Data Bus Powertrain Missing messages
P1900	Engine coolant blower motor,speed 2 - open/short to GND
P1901	Engine coolant blower motor run-on relay - short to +
P1902	Eng coolant blower motor run-on relay – open /short -
P1903	Engine coolant hydraulic blower motor solenoid -short -
P1904	Eng coolant hydraulic blower motor solenoid open/short-
P1905	Charge air coolant pump relay - short to positive
P1906	Charge air coolant pump relay - open/short to earth
P1907	Data bus, ECM 1/2 - defective
P1908	Data bus, ECM 1/2 - software version monitoring

P1909	Data bus, ECM 1/2 - no signal from ECM 1
P1910	Data bus, ECM 1/2 - no signal from ECM 2
P1911	Data bus, ECM 1/2 - circuit malfunction
P1912	Brake servo pressure sensor - open circuit/short to +
P1913	Brake servo pressure sensor - short to earth
P1914	Brake servo pressure sensor - range/performance problem
P1920	Eng mounting ctrl solenoid banks 1&2 -open /short GND
P1923	Engine control module (ECM) 2 - malfunction
P3000	CAN data bus, instrumentation - glow plug warning lamp
P3002	Accelerator pedal position sensor - trans kick-down sW
P3003	Engine coolant heater relay 1, low output
P3005	Engine coolant heater relay 2, high output
P3007	Camshaft position (CMP) sensor - no signal
P3008	Camshaft position (CMP) sensor - signal limit exceeded
P3009	Fuel cooling pump relay - short to positive
P3010	Fuel cooling pump relay - open circuit/short to earth
P3011	Fuel pump relay - short to positive
P3012	Fuel pump relay - open circuit/short to earth
P3013	Turbocharger wastegate regulating valve B -short to +
P3014	Turbocharger wastegate regulating valve B -open/short -
P3015	Fuel bypass valve - short to positive
P3016	Fuel bypass valve - open circuit/short to earth
P3040	Gear ratio – implausible
P3041	CAN data bus, instrumentation - implausible ECT signal
P3104	Intake manifold air control solenoid -short to positive
P3105	Intake manifold air control solenoid -open /short to -
P3262	Heated oxygen sensor (HO2S) 2, banks 1&2 -interchanged
P1102	Oxygen Sensor Heating
P1105	Oxygen Sensor Heating
P1107	Oxygen Sensor Heating
P1110	Oxygen Sensor Heating
P1115	Oxygen Sensor Heating
P1117	Oxygen Sensor Heating
P1119	Oxygen Sensor Heating
P1121	Oxygen Sensor Heating
P1123	Oxygen Sensor Heating
P1124	Oxygen Sensing
P1125	Oxygen Sensing
P1126	Oxygen Sensing
P1127	Oxygen Sensing
P1128	Oxygen Sensing
P1129	Oxygen Sensing
P1130	Oxygen Sensing
P1136	Oxygen Sensing
P1137	Oxygen Sensing
P1138	Oxygen Sensing
P1139	Oxygen Sensing
P1140	Load Signal
P1157	Engine Compartment Temperature
P1158	Engine Compartment Temperature
P1213	Fuel Injector Cylinder 1
P1214	Fuel Injector Cylinder 2
P1215	Fuel Injector Cylinder 3
P1216	Fuel Injector Cylinder 4
P1217	Fuel Injector Cylinder 5
P1218	Fuel Injector Cylinder 6
P1225	Fuel Injector Cylinder 1
P1226	Fuel Injector Cylinder 2
P1227	Fuel Injector Cylinder 3
P1228	Fuel Injector Cylinder 4
P1229	Fuel Injector Cylinder 5
P1230	Fuel Injector Cylinder 6
P1237	Fuel Injector Cylinder 1
P1238	Fuel Injector Cylinder 2
P1239	Fuel Injector Cylinder 3
P1240	Fuel Injector Cylinder 4

P1241	Fuel Injector Cylinder 5
P1242	Fuel Injector Cylinder 6
P1265	Airbag Signal
P1275	Oxygen Sensor Aging Ahead of 3 Way Catalytic Converter
P1276	Oxygen Sensor Aging Ahead of 3 Way Catalytic Converter
P1313	Misfire Cylinder 1 Emission Related
P1314	Misfire Cylinder 2 Emission Related
P1315	Misfire Cylinder 3 Emission Related
P1316	Misfire Cylinder 4 Emission Related
P1317	Misfire Cylinder 5 Emission Related
P1318	Misfire Cylinder 6 Emission Related
P1319	Misfire Emission Related
P1324	Timing Chain out of Position Bank 2
P1340	Timing Chain out of Position Bank 1
P1384	Knock Sensor 1
P1385	Knock Sensor 2
P1386	Knock Control Test Pulse
P1397	Camshaft Position Sensor 2
P1411	Secondary Air Injection System
P1455	A/C Compressor Control
P1456	A/C Compressor Control
P1457	A/C Compressor Control
P1458	A/C Compressor Signal
P1501	Fuel Pump Relay End-Stage
P1502	Fuel Pump Relay End-Stage
P1510	Idle Air Control Valve
P1513	Idle Air Control Valve
P1514	Idle Control Valve
P1515	Intake Manifold Resonance Flap
P1516	Intake Manifold Resonance Flap
P1524	Camshaft Adjustment Bank 2
P1530	Camshaft Adjustment Bank 1
P1531	Camshaft Adjustment Bank 1
P1539	Camshaft Adjustment Bank 2
P1541	Fuel Pump Relay End-Stage
P1551	Idle Air Control Valve
P1552	Idle Air Control Valve
P1553	Idle Air Control Valve
P1555	Charge Pressure Characteristics
P1556	Charge Deviations
P1557	Charge Deviations
P1570	Immobilizer
P1571	Immobilizer
P1585	Misfire With Empty Fuel Tank
P1593	Intake Manifold Length Tuning 2
P1594	Intake Manifold Length Tuning 2
P1595	Intake Manifold Length Tuning 2
P1600	Voltage Supply
P1601	Voltage Supply
P1602	Voltage Supply
P1610	MIL Activated Externally
P1611	MIL Activated Externally
P1614	MIL Activated Externally
P1640	Engine Control Module
P1656	Coolant Shutoff Valve
P1671	Engine Compartment Purge Fan End-Stage
P1673	Fan End-Stage
P1689	Engine Control Module
P1691	Malfunction Indicator Lamp
P1692	Malfunction Indicator Lamp
P1693	Malfunction Indicator Lamp
P1704	Kickdown Switch
P1710	Speed Signal Right Front
P1715	Speed Signal Left Front
P1744	Manual Program Switch
P1746	Control Unit Detective (Relay)

P1748	Control unit defective (Relay sticks)
P1749	Version coding
P1750	Voltage Supply Solenoid Valve Pressure Regulators 1
P1761	Shiftlock P/N
P1762	Shiftlock P/N
P1764	Instrument cluster triggering
P1765	Throttle-valve information error
P1770	Load signal from ECM
P1782	Engine Engagement
P1813	Pressure regulator 1
P1818	Pressure regulator 2
P1823	Pressure regulator 3
P1828	Pressure regulator 4
P1001	Key on eng run unable to complete;eng running aborted
P1100	Mass air flow sensor intermittent
P1101	Mass air flow sensor out of self test range
P1104	Mass Airflow (MAF) Sensor Ground Circuit Malfunction
P1107	Left MAP Sensor Circuit
P1108	Right MAP Sensor Circuit
P1112	IATS Circuit High Voltage
P1113	IATS Circuit Low Voltage
P1121	Pedal Position Sensor CircuitA Range/Performance
P1122	Pedal Position Sensor CircuitA Low Voltage
P1123	Pedal Position Sensor CircuitA High Voltage
P1137	No Rear HO2S Response
P1138	No Rear HO3S Response
P1157	No Rear HO2S Response
P1158	No Rear HO3S Response
P1171	All Cylinders Too Lean
P1172	All Cylinders Too Rich
P1176	Adaptive Fuel Metering Trim Too Lean
P1177	Adaptive Fuel Metering Trim Too Rich
P1178	Adaptive Fuel Metering Trim Too Lean
P1179	Adaptive Fuel Metering Trim Too Rich
P1187	Both Front HO2S Heater Circuits (High Resistance)
P1188	Both Front HO2S Heater,Open Short GND High Resistance
P1190	Both Front HO2S Heater Circuits,High Bat Voltage/Short+
P1193	Both Front HO2S Heater,High Resistance MAF Sensor Fault
P1194	Both Front HO2S Heater,Open Short to GND High Resistanc
P1196	Both Front HO2S Heater Circuits,High Bat Vol Short to -
P1198	Fuel Level Sensor (High Voltage)
P1199	Fuel Level Sensor (Low Voltage)
P1201	No 1 Fuel Injector
P1202	No 2 Fuel Injector
P1203	No 3 Fuel Injector
P1204	No 4 Fuel Injector
P1205	No 5 Fuel Injector
P1206	No 6 Fuel Injector
P1221	Pedal Position Sensor CircuitB Range/Performance
P1222	Pedal Position Sensor CircuitB Low Voltage
P1223	Pedal Position Sensor CircuitB High Voltage
P1224	Electronic Throttle Control Position Error
P1226	Mechanical Guard Circuit Range Performance
P1227	Mechanical Guard Circuit Low Input
P1228	Mechanical Guard Circuit High Input
P1229	Throttle Control Circuit Malfunction
P1230	Fuel Pump Relay Malfunction
P1235	VSV 1 Circuit Range/Performance
P1236	VSV 1 Vacuum Circuit Failure
P1237	VSV 2 Atmosphere Circuit Failure
P1238	VSV 3 Release Circuit Failure
P1240	Throttle Position Sensor Voltage Malfunction
P1241	Throttle Position Sensor Voltage Low Input
P1242	Throttle Position Sensor Voltage High Input
P1243	Throttle Position Sensor Ground Malfunction
P1245	Crank Signal Low Input

P1246	Crank Signal High Input
P1313	Misfire Catalyst Damage Bank No 1
P1314	Misfire Catalyst Damage Bank No 2
P1315	Misfire Excess Emissions
P1316	Misfire Rate Above Limit
P1335	Crankshaft Position Sensor Circuit
P1336	Camshaft Position Sensor (CMP) Circuit Performance
P1361	Ignition Coil Primary Circuit (Cylinder No 1)
P1362	Ignition Coil Primary Circuit (Cylinder No 2)
P1363	Ignition Coil Primary Circuit (Cylinder No 3)
P1364	Ignition Coil Primary Circuit (Cylinder No 4)
P1365	Ignition Coil Primary Circuit (Cylinder No 5)
P1366	Ignition Coil Primary Circuit (Cylinder No 6)
P1367	Ignition Monitor (BankA)
P1368	Ignition Monitor (BankB)
P1371	Early Activation Ignition Coil (Cylinder No 1)
P1372	Early Activation Ignition Coil (Cylinder No 2)
P1373	Early Activation Ignition Coil (Cylinder No 3)
P1374	Early Activation Ignition Coil (Cylinder No 4)
P1375	Early Activation Ignition Coil (Cylinder No 5)
P1376	Early Activation Ignition Coil (Cylinder No 6)
P1392	Variable Valve Timing SolenoidA Low Input
P1393	Variable Valve Timing SolenoidA High Input
P1396	Variable Valve Timing SolenoidB Malfunction
P1397	Variable Valve Timing SolenoidB Low Input
P1398	Variable Valve Timing SolenoidB High Input
P1400	EGR Valve Position Circuit (Valve Sticking Open/Short)
P1401	EGR Valve Position Circuit (Open Short to Ground)
P1408	EGR Temperature Sensor Circuit
P1409	EGR Valve Circuit
P1440	EVAP Purge Valve Open
P1441	EVAP Valve Circuit
P1443	EVAP Valve Circuit
P1447	EVAP Valve Circuit
P1448	EVAP Valve Circuit
P1454	EVAP System
P1474	Charge Air Coolant Pump Relay
P1475	Radiator Fans Slow Malfunction
P1476	Radiator Fans Fast Parallel Circuit Malfunction
P1506	Idle Speed Control Circuit (Low RPM; BankB)
P1507	Idle Speed Control Circuit (High RPM; BankB)
P1508	Idle Speed Control Circuit
P1509	Idle Speed Control Circuit
P1512	Throttle Position Sensor Idle Switch Sense Circuit
P1513	Throttle Position Sensor Idle Switch Sense Circuit
P1514	Park/Neutral Position Switch High Load Neutral/Drive
P1516	Gear Change Park/Neutral Malfunction
P1517	Engine Cranking Park/Neutral Malfunction
P1607	MIL Output Circuit
P1608	Automatic Transmission
P1609	Internal ECM Error
P1641	Fuel Pump Relay No 1
P1646	Fuel Pump Relay No 2
P1739	Automatic Transmission
P1775	Transmission Control Module MIL Circuit
P1776	Torque Reduction Request Signal
P1777	Torque Reduction Circuit
P1780	Automatic Transmission
P1781	Automatic Transmission
P1782	Automatic Transmission
P1783	Automatic Transmission
P1785	Automatic Transmission
P1790	Automatic Transmission
P1791	Automatic Transmission
P1792	Automatic Transmission
P1794	Automatic Transmission

P1796	Automatic Transmission
P1101	Power Stage Group A
P1307	Accelerometer signal
P1308	Accelerometer signal
P1326	Fault in engine control module knock control circuit
P1327	Fault in engine control module knock control circuit
P1328	Fault in engine control module knock control circuit
P1329	Fault in engine control module knock control circuit
P1401	Fault in engine control module engine coolant temp
P1403	Fault in eng ctrl module ctrl module box temp sensor
P1404	Fault in eng ctrl module ctrl module box temp sensor
P1405	Temperature warning greater than 230 degrees F
P1406	Temperature warning greater than 212 degrees F
P1505	Idle air control (IAC) valve opening signal
P1506	Idle air control (IAC) valve opening signal
P1507	Idle air control (IAC) valve closing signal
P1508	Idle air control (IAC) valve closing signal
P1604	Ignition discharge module (1DM) group 0
P1605	Ignition discharge module (1DM) group E
P1617	Cable fault between AW 50-42 TCM and Motronic 4 4 ECM
P1618	Cable fault between AW 50-Q2 TCM and Motronic 4 4 ECM
P1619	Engine cooling fan (FC) low-speed signal
P1620	Engine cooling fan (FC) low-speed signal
P1621	DTC in automatic transmission control module (TCM)
P1100	Mass air flow/manifold absolute pres implausible signal
P1105	Barometric pressure (BARO) sensor - circuit malfunction
P1110	Intake manifold air control solenoid 1 -circuit malfun
P1111	Intake manifold air control solenoid 2 -circuit malfun
P1120	Throttle pos /manifold absolute pres sensor,signal Err
P1122	Accelerator pedal pos sensor B-circuit malfunction
P1125	Turbocharger wastegate regulating valve- circuit malf
P1130	Heated oxygen sensor (HO2S) 1, bank 1 - malfunction
P1170	Mixture control (MC), bank 1 - malfunction
P1171	Mixture control (MC), engine under load - mixture lean
P1173	Engine overheat protection act engine temp above limit
P1180	Fuel temperature sensor,in injection pump -malfunction
P1195	Engine oil pressure switch - malfunction
P1201	Injector needle lift sensor - circuit malfunction
P1220	Fuel quantity adjustment control - malfunction
P1229	Engine control relay - voltage high
P1230	Engine control relay - voltage low
P1231	Fuel pump relay
P1300	Fuel tank - empty
P1326	Knock control, cylinder 1 - control limit reached
P1327	Knock control, cylinder 2 - control limit reached
P1328	Knock control, cylinder 3 - control limit reached
P1329	Knock control, cylinder 4 - control limit reached
P1335	Fuel injection pump control module - CKP signal missing
P1345	Injection pump position sensor - malfunction
P1372	Crankshaft position (CKP) sensor - malfunction
P1404	Exhaust gas recirculation valve - range /performance
P1405	Exhaust gas recirculation valve pos sensor -malfunction
P1410	Secondary air injection (AIR) pump relay-circuit malf
P1481	Engine coolant blower motor relay 1 - malfunction
P1482	Engine coolant blower motor relay 2 - malfunction
P1483	Engine coolant blower motor relay 3 - malfunction
P1500	Electronic throttle system (ETS) - circuit malfunction
P1501	Immobilizer control module - program error
P1502	Immobilizer control module - no signal)
P1503	Immobilizer control module - incorrect signal
P1508	Idle air control (IAC) valve - circuit malfunction
P1509	Idle air control (IAC) valve - circuit malfunction
P1510	Closed throttle position switch - circuit malfunction
P1515	Idle air control (IAC) valve - circuit malfunction
P1520	Electronic throttle system (ETS) - supply voltage
P1523	Electronic throttle system (ETS) - malfunction

P1525	Electronic throttle system,limp home position - malfun
P1526	Electronic throttle system (ETS), adaptation - malfun
P1530	AC cut-off relay - circuit malfunction
P1540	AC refrigerant pressure sensor - circuit malfunction
P1546	AC compressor clutch, signal - circuit malfunction
P1550	Electronic throttle system (ETS) - in emergency mod
P1551	Elect throttle system,eng torque monitoring above limit
P1555	Throttle pos A/mass air flow sensor-implausible signal
P1560	System voltage, battery - out of limits
P1571	Brake pedal position (BPP) switch - circuit malfunction
P1572	Eng ctrl module /Imm ctrl module -no Immobilizer signal
P1573	Eng ctrl module /Imm ctrl module -incorrect Imm signal
P1600	Engine control module (ECM) - program error
P1601	Module temperature switch, ECM - temperature high
P1602	Knock control - RAM malfunction
P1604	Engine control module (ECM) - defective
P1605	Engine control module (ECM) - coding
P1606	Engine control module (ECM) - defective
P1610	Immobilizer control module - program error
P1611	Immobilizer module - incorrect security code entered
P1612	Immobilizer module - no/incorrect signal
P1613	Immobilizer control module - no/incorrect signal
P1614	Immobilizer control module - incorrect signal
P1615	Immo module/multi ctrl module comm -incorrect code
P1616	Immo ctrl module/instrumentation module -incorrect code
P1618	Engine control module (ECM) - malfunction
P1620	Engine control module ,supply voltage - out of limits
P1621	Engine control module (ECM) - defective
P1622	Fuel pump relay
P1625	Engine control module (ECM) - malfunction
P1631	Fuel injection pump control module - defective
P1635	Engine control module (ECM) - defective
P1640	Eng ctrl module,MIURPM/fuel consumption signal -malfun
P1650	Malfunction indicator lamp (MIL) - circuit malfunction
P1651	Fuel inj pump control module, CAN data bus- malfunction
P1660	Fuel shut-off solenoid - circuit malfunction
P1690	Malfunction indicator lamp (MIL) - circuit malfunction
P1694	Glow plug warning lamp - circuit malfunction
P1700	Transmission control module - service request signal
P1705	Park/neutral position (PNP) switch - incorrect signal
P1725	Injector needle lift sensor - incorrect signal
P1740	AT torque control, signal - malfunction
P1743	Torque converter clutch - vibration
P1760	System voltage, ignition - out of limits
P1780	Throttle position sensor,traction ctrl -circuit malfun
P1781	CAN bus,ECM actual torque signal -malfunction detected
P1790	CAN data bus,ECM/TCM comm - malfunction detected
P1792	CAN data bus, ECM/TCM comm - malfunction detected
P1800	System voltage, ignition - out of limits
P1813	AT torque control, signal - malfunction
P1835	Transmission kick-down switch - circuit malfunction
P1842	Throttle position (TP) sensor signal out of range
P1843	Engine coolant temperature sensor - signal out of range
P1844	Engine ctrl module ,torque ctrl - signal out of range
P1845	Trans ratio monitor -malfunction/AT torque ctrl,signal
P1847	Trans control module (TCM), multiplexing - no signal
P1850	Shift solenoid C, band apply - circuit malfunction
P1860	Torque converter clutch solenoid - circuit malfunction
P1870	Torque converter clutch (TCC) - inoperative
P1890	Throttle position sensor - circuit/CAN bus,ECM/TCM comm
P1895	Eng ctrl module,actual torque signal -circuit malfunct
P1001	EVAP Purge Valve, Output From Control Module Low
P1002	EVAP Purge Valve, Output From Control Module High
P1011	Injector Cyl No 1 Shorting To Ground
P1012	Injector Cyl No 1 Shorting To Battery +
P1021	Injector Cyl No 2 Shorting To Ground

P1022	Injector Cyl No 2 Shorting To Battery +
P1031	Injector Cyl No 3 Shorting To Ground
P1032	Injector Cyl No 3 Shorting To Battery +
P1041	Injector Cyl No 4 Shorting To Ground
P1042	Injector Cyl No 4 Shorting To Battery +
P1051	Injector Cyl No 5 Shorting To Ground
P1052	Injector Cyl No 5 Shorting To Ground
P1061	Injector Cyl No 6 Shorting To Ground
P1062	Injector Cyl No 6 Shorting To Ground
P1102	F heated O2 sensor bank1 Current in preheating too high
P1105	Rear heated O2 sensor bank1 Current in preheating high
P1115	Front heated O2 sensor bank1 Current in preheating low
P1117	Rear heated O2 sensor bank 1 Current in preheating low
P1123	Additive adaptation bank 1 Minimum value
P1124	Additive adaptation bank 1 Maximum value
P1125	Additive adaptation bank 2 Minimum value
P1126	Additive adaptation bank 2 Maximum value
P1127	Multiplicative adaptation bank 1 Minimum value
P1128	Multiplicative adaptation bank 1 Maximum value
P1129	Multiplicative adaptation bank 2 Minimum value
P1130	Multiplicative adaptation bank 2 Maximum value
P1170	Closed loop - Malfunction
P1171	Closed loop - Lean Mixture
P1172	Closed loop - Rich Mixture
P1213	Inj cyl1 ctrl module output Short to battery +
P1214	Inj cyl2 ctrl module output Short to battery +
P1215	Inj cyl3 ctrl module output Short to battery +
P1216	Inj cyl4 ctrl module output Short to battery +
P1217	Inj cyl5 ctrl module output Short to battery +
P1218	Inj cyl6 ctrl module output Short to battery +
P1225	Inj cyl1 ctrl module output Open circuit / short to GND
P1226	Inj cyl2 ctrl module output Open circuit / short to GND
P1227	Inj cyl3 ctrl module output Open circuit / short to GND
P1228	Inj cyl4 ctrl module output Open circuit / short to GND
P1229	Inj cyl5 ctrl module output Open circuit / short to GND
P1230	Inj cyl6 ctrl module output Open circuit / short to GND
P1386	Ctrl module for proces knock sensor sign internal fault
P1396	Crank pos sensor Malfunction slotted ring has many ribs
P1410	EVAP canister purge valve ctrl module Short to (B+)
P1416	Low level in conjunction with misfire/fault in fuel sys
P1425	EVAP canister purge module output Shorting to ground
P1426	EVAP canister purge module output Open circuit
P1500	Battery voltage outside limits
P1501	Fuel pump relay control module output Shorting to GND
P1502	Fuel pump relay control module output Short to batt +
P1510	Idle air control valve open control module Short to B+
P1513	Idle air control valve open control module Short to GND
P1514	Air ctrl valve open function ctrl module output Open
P1541	Fuel pump relay control module out put
P1549	Boost pressure control Malfunction
P1551	Idle air control valve close function Open circuit
P1552	Idle air control valve close function Shorting to GND
P1553	Idle air control valve close function Shorting to B+
P1576	Brake light switch Shorting to battery positive B+
P1577	Brake light switch Open circuit
P1585	Fuel less than 10 liters
P1611	CHECK ENG request input signal to ctrl module Short GND
P1616	Rough road sensor Ctrl module input low short to GND
P1617	Rough road sensor Open circuit/short to battery +
P1624	The automatic trans has a stored emission-related fault
P1664	Shift up output signal from control module Malfunction
P1665	Int fault, cannot identify any other specific DTC
P1669	TCS active input signal to control module
P1670	Intermittent fault, can't identify other specific DTC
P1675	Intermittent fault, can't identify other specific DTC
P1680	Relay 2nd air injection Output open / short circuit

P1691	CHECK ENGINE from On control module Open circuit
P1692	CHECK ENGINE from On control module Shorting to GND
P1693	CHECK ENGINE from On control module
P1010	OCV for WTL Circuit (Bank 1)
P1011	OCV for WTL Open Malfunction (Bank 1)
P1012	OCV for WTL Close Malfunction (Bank 1)
P1020	OCV for WTL Circuit (Bank 2)
P1021	OCV for WTL Open Malfunction (Bank 2)
P1022	OCV for WTL Close Malfunction (Bank 2)
P1031	A/F Sensor Heater Circuit Low (Bank 1 Sensor 1)
P1032	A/F Sensor Heater Circuit High (Bank 1 Sensor 1)
P1051	A/F Sensor Heater Circuit Low (Bank 2 Sensor 1)
P1052	A/F Sensor Heater Circuit High (Bank 2 Sensor 1)
P1100	BARO Sensor Circuit malfunction
P1101	Atmospheric Press Sensor Circuit Range / Performance
P1120	Accelerator Pedal Position Sensor Circuit Malfunction
P1121	Accelerator Pedal Position Sensor Range/Performance
P1125	Throttle Control Motor Circuit Malfunction
P1126	Magnetic Clutch Circuit Malfunction
P1127	ETCS Actuator Power Source Circuit Malfunction
P1128	Throttle Control Motor Lock Malfunction
P1129	Electric Throttle Control System Malfunction
P1130	Air-Fuel Sensor Circuit Range/Performance
P1133	Air-Fuel Sensor Circuit Response Malfunction
P1135	Air-Fuel Sensor Heater Circuit Response Malfunction
P1150	A/F Sensor Circuit Range/Performance Malfunction
P1153	A /F Sensor Circuit Response Malfunction
P1155	A/F Sensor Heater Circuit Malfunction
P1200	Fuel Pump Relay Circuit Malfunction
P1300	Igniter Circuit Malfunction No 1
P1305	Igniter Circuit Malfunction No 2
P1310	Igniter Circuit Malfunction No 3
P1315	Igniter Circuit Malfunction No 4
P1320	Igniter Circuit Malfunction No 5
P1325	Igniter Circuit Malfunction No 6
P1330	Igniter Circuit Malfunction No 7
P1335	No CKP Sensor Signal Engine Running
P1340	Igniter Circuit Malfunction No 8
P1346	WT Sensor/Cam Pos Sensor Circuit Range/Performance(B1)
P1349	WT System Malfunction
P1400	Sub-Throttle Position Sensor Malfunction
P1401	Sub-Throttle Position Sensor Range/Performance Problem
P1405	Turbo Pressure Sensor Range/Performance Problem
P1406	EGR Valve Position Sensor Circuit Malfunction
P1410	EGR Valve Position Sensor Circuit Malfunction
P1411	EGR Valve Position Sensor Circuit Ranger/Performance
P1500	Starter Signal Circuit Malfunction
P1510	Boost Pressure Control Circuit Malfunction
P1511	Boost Pressure Low Malfunction
P1512	Boost Pressure High Malfunction
P1520	Stop Lamp Switch Signal Malfunction
P1565	Cruise Control Main Switch Circuit Malfunction
P1600	ECM BATT Malfunction
P1605	Knock Control CPU Malfunction
P1630	Traction Control System Malfunction
P1633	ECM Malfunction ECTS Circuit
P1645	Body ECU Malfunction
P1652	IACV Control Circuit Malfunction
P1656	OCV Circuit Malfunction
P1658	Waste Gate Valve Control Circuit Malfunction
P1661	EGR Circuit Malfunction
P1662	EGR By-Pass Valve Control Circuit Malfunction
P1690	OCV Circuit Malfunction
P1692	OCV Open Malfunction
P1693	OCV Closed Malfunction
P1780	PNP Switch Malfunction

P1106	BARO Circuit Range/Performance
P1107	BARO Circuit Low Input
P1108	BARO Circuit High Input
P1121	Throttle Position Lower Than Expected
P1122	Throttle Position Higher Than Expected
P1128	MAP Lower Than Expected
P1129	MAP Higher Than Expected
P1149	PrimaryHO2S (Sensor 1) Circuit Range/Performance
P1162	PrimaryHO2S (No 1) Circuit Malfunction
P1163	PrimaryHO2S (No 1) Circuit Slow Response
P1164	PrimaryHO2S (No 1) Circuit Range/Performance
P1165	PrimaryHO2S (No 1) Circuit Range/Performance
P1166	PrimaryHO2S (No 1) Heater System Electrical
P1167	PrimaryHO2S (No 1) Heater System
P1168	PrimaryHO2S (No 1) LABEL Low Input
P1169	PrimaryHO2S (No 1) LABEL High Input
P1253	VTEC System Malfunction
P1257	VTEC System Malfunction
P1258	VTEC System Malfunction
P1259	VTEC System Malfunction
P1297	Electrical Load Detector Circuit Low Input
P1298	Electrical Load Detector Circuit High Input
P1300	Multiple Cylinder Misfire Detected
P1336	CSF Sensor Intermittent Interruption
P1337	CSF Sensor No Signal
P1359	CKP/TDC Sensor Connector Disconnection
P1361	TDC Sensor Intermittent Interruption
P1362	TDC Sensor No Signal
P1366	TDC Sensor No 2 Intermittent Interruption
P1367	TDC Sensor No 2 Signal
P1381	Cylinder Position Sensor Intermittent Interruption
P1382	Cylinder Position Sensor No Signal
P1456	EVAP Emission Ctrl Sys Leak Detected(Fuel Tank System)
P1457	EVAP Emission Sys Leak Detected(Ctrl Canister Sys)
P1459	EVAP Emission Purge Flow Switch Malfunction
P1486	Thermostat Range/Performance Problem
P1491	EGR valve Lift Insufficient Detected
P1498	EGR Valve Lift Sensor High Voltage
P1508	IAC Valve Circuit Failure
P1509	IAC Valve Circuit Failure
P1519	Idle Air Control Valve Circuit Failure
P1607	EGM/PGM Internal Circuit Failure A
P1655	SE/SEFATMA/TMB Signal Line Failure
P1656	Automatic Transaxle
P1660	AT FI Signal A Circuit Failure
P1676	FPTDR Signal Line Failure
P1678	FPTDR Signal Line Failure
P1681	AT FI Signal A Low Input
P1682	AT FI Signal A High Input
P1686	AT FI Signal B Low Input
P1687	AT FI Signal B Low Input
P1705	Automatic Transaxle Concerns
P1706	Automatic Transaxle Concerns
P1738	Automatic Transaxle Concerns
P1739	Automatic Transaxle Concerns
P1753	Automatic Transaxle Concerns
P1758	Automatic Transaxle Concerns
P1768	Automatic Transaxle Concerns
P1773	Automatic Transaxle Concerns
P1785	Automatic Transaxle Concerns
P1786	Automatic Transaxle Concerns
P1790	Automatic Transaxle Concerns
P1791	Automatic Transaxle Concerns
P1792	Automatic Transaxle Concerns
P1793	Automatic Transaxle Concerns
P1794	Automatic Transaxle Concerns

P1870	Automatic Transaxle Concerns
P1873	Automatic Transaxle Concerns
P1879	Automatic Transaxle Concerns
P1885	Automatic Transaxle Concerns
P1886	Automatic Transaxle Concerns
P1888	Automatic Transaxle Concerns
P1890	Automatic Transaxle Concerns
P1891	Automatic Transaxle Concerns
P1105	Manifold Absolute/Barometric Pres SW Solenoid Circuit
P1110	Intake Valve Timing Control Circuit (Bank 1)
P1120	Secondary Throttle Position Sensor Circuit
P1125	Tandem Throttle Position Sensor Circuit
P1126	Thermostat Function
P1130	Swirl Control Valve Control Solenoid Valve
P1132	Intake Valve Timing Control Position Sensor (Bank 1)
P1135	Intake Valve Timing Control Circuit (Bank 2)
P1137	Intake Valve Timing Control Position Sensor (Bank 2)
P1140	Intake Valve Timing Control Position Sensor (Bank 1)
P1145	Intake Valve Timing Control Position Sensor (Bank 2)
P1148	Closed Loop Fault Detected (Bank 1)
P1165	Swirl Control Valve Control Vacuum Switch
P1168	Closed Loop Fault Detected (Bank 2)
P1210	Traction Control System Signal Fault
P1211	ABS/TCS Control Unit
P1212	ABS/TCS Communication Line
P1217	Engine Over Temperature (Overheat)
P1220	Fuel Pump Control Module Fault
P1320	Ignition Control Signal Fault
P1335	Crankshaft Position Sensor Circuit
P1336	Crankshaft Position Sensor circuit
P1400	EGR/EVAP Control Solenoid Circuit
P1401	EGR Temperature Sensor Circuit
P1402	EGR System Fault Detected
P1440	EVAP Canister System Leak Detected
P1441	EVAP Vacuum Cut Valve Bypass Valve Circuit
P1443	EVAP Canister Control Vacuum Switch Circuit
P1444	EVAP Canister Purge Volume Control Valve Circuit
P1445	EVAP Purge Volume Control Valve
P1446	EVAP Canister Vent Valve Circuit
P1447	EVAP Canister Purge Flow/Volume Control Valve Circuit
P1448	EVAP Vent Control Valve Circuit
P1464	Fuel Level Sensor Circuit (Ground Signal)
P1490	EVAP Vent Control Valve/Bypass Valve Circuit
P1491	EVAP Vacuum Cut Valve/Bypass Valve Circuit
P1492	EVAP Canister Purge Control Valve/Solenoid Valve
P1493	EVAP Canister Purge Control Valve/Solenoid Valve
P1550	TCC Solenoid Valve
P1605	Transmission Ctrl Module AT Diagnosis Comm Line Fault
P1705	Throttle Position Switch Circuit
P1706	Park Neutral Position Switch Circuit
P1760	Overrun Clutch Solenoid Valve Circuit
P1900	Cooling Fan Control Circuit
P1010	V V T OCV
P1012	V V T CAM
P1020	OCV BANK1
P1021	OCV OPN B1
P1022	OCV BANK2
P1023	OCV OPN B2
P1100	Induction Control Motor Position Sensor Fault
P1101	Traction Control Vacuum Solenoid Circuit
P1102	Traction Control Ventilation Solenoid Circuit
P1103	Turbocharger Waste Gate Actuator Circuit
P1104	Turbocharger Waste Gate Solenoid Circuit
P1105	Fuel Pressure Solenoid Circuit
P1269	MAP Sensor 5-Volt Supply Fault
P1294	Target Idle Speed Not Reached

P1295	Throttle Position Sensor 5-Volt Supply Fault
P1297	No Change In MAP From Start to Run
P1300	Ignition Timing Adjustment Circuit
P1390	Timing Belt Skipped One Tooth or More
P1391	Intermittent Loss of CMP or CKP Sensor Signals
P1398	Misfire Adaptive Numerator at Limi
P1400	Manifold Differential Pressure Sensor Fault
P1443	EVAP Purge Control Solenoid '2' Circuit
P1486	EVAP Leak Monitor Pinched Hose Detected
P1487	High Speed Radiator Fan Control Relay Circuit
P1489	High Speed Condenser Fan Control Relay Fault
P1490	Low Speed Fan Control Relay Fault
P1492	Battery Temperature Sensor High Input
P1493	Battery Temperature Sensor Low Input
P1494	EVAP Leak Detection Pump Switch or Mechanical Fault
P1495	EVAP Leak Detection Pump Solenoid Circuit
P1496	5-Volt Supply Output Too Low
P1500	Generator 'FR' Terminal Circui
P1600	PCM/TCM Serial Communication Link Circuit
P1696	Powertrain Control Module Failure - EEPROM Write Denied
P1697	Powertrain Control Module Failure -SRI Miles Not Stored
P1698	No CCD Messages From Transmission Control Module
P1715	Transmission Control Module Pulse Generator Circuit
P1720	VSS Signal Line Fault
P1750	Pressure Control - Shift Control - TCC Solenoid Circuit
P1751	AT Control Relay Circuit
P1791	PCM ECT Level Signal to TCM Circuit
P1795	TP Sensor Input Circuit to Transmission Control Module
P1899	P/N Position/Transaxle Range Switch Circuit
P1000	OBD II Monitor Testing Not Completed
P1001	Unable to Achieve Self-Test Function or SCP Error
P1100	Mass Airflow Sensor Circuit Intermittent
P1101	Mass Airflow Sensor Circuit out of Self-Test Range
P1102	Mass Airflow Signal Inconsistent with Throttle Pos Sen
P1103	Mass Airflow Sensor Signal Inconsistent with Eng Speed
P1110	Intake Air Temp Sensor Signal (Dynamic Chamber) Circuit
P1112	Intake Air Temperature Sensor Circuit Intermittent
P1113	Intake Air Temp Sensor Signal (Dynamic Chamber) Circuit
P1114	Intake Air Temperature Sensor Circuit Low Input
P1116	ECT Sensor Circuit Out of Self Test Range
P1117	ECT Sensor Signal Intermittent
P1120	Throttle Position Sensor out of Range Low
P1121	Throttle Pos Signal InConsistent with Mass Airflow Sgn
P1122	Throttle Position Stuck Closed
P1123	Throttle Position Stuck Open
P1124	Throttle Position Sensor Signal Out of Self Test Range
P1125	Throttle Position Sensor Signal Intermittent
P1127	HO2S B1S2 Heater Not On During Key On Eng Run Self Test
P1128	HO2S B1S1 Signals Swapped in Key On Eng Run Self Test
P1130	HO2S B1S1 Not Switching (Fuel Control Limit Reached)
P1131	HO2S B1S1 Signal Below 0.45v (AF Ratio Too Lean)
P1132	HO2S B1S1 Signal Above 0.45v (AF Ratio Too Rich)
P1135	HO2S B1S1 Heater Circuit Low Input
P1136	HO2S B1S1 Heater Circuit High Input
P1137	HO2S B1S2 Not Switching (Fuel Control Limit Reached)
P1138	HO2S B1S2 Signal Above 0.45v (AF Ratio Too Rich)
P1141	HO2S B1S2 Heater Circuit Low Input
P1142	HO2S B1S2 Heater Circuit High Input
P1143	HO2S B1S3 Signal Below 0.45v (AF Ratio Too Lean)
P1144	HO2S B1S3 Signal Above 0.45v (AF Ratio Too Rich)
P1150	HO2S B2S1 Not Switching (Fuel Control Limit Reached)
P1151	HO2S B2S1 Signal Below 0.45v (AF Ratio Too Lean)
P1152	HO2S B2S1 Signal Above 0.45v (AF Ratio Too Rich)
P1169	HO2S B1S1 Circuit Fixed (Bank 1 Sensor 1)
P1170	HO2S B1S1 Circuit Fixed (Bank 1 Sensor 1)
P1173	HO2S B2S1 Circuit Fixed (Bank 2 Sensor 1)

P1195	EGR Boost Sensor Circuit
P1196	Ignition Switch Start Circuit
P1235	Fuel Pump Control Circuit
P1236	Fuel Pump Control Out Range
P1250	Pressure Regulator Control Solenoid Circuit
P1252	Pressure Regulator Control Solenoid '2' Circuit
P1260	Anti-Theft System Signal Detected - Engine Disabled
P1270	Engine RPM or Vehicle Speed Limit Reached
P1309	Misfire Detection Monitor
P1345	No CMP or SGC Signal
P1351	Ign Diagnostic Monitor Signal Lost to PCM/Out Of Range
P1352	Ignition Coil 'A' Primary Circuit
P1353	Ignition Coil 'B' Primary Circuit
P1354	Ignition Coil 'C' Primary Circuit
P1358	Ign Diagnostic Monitor Signal Out Of Self Test Range
P1359	SPOUT Signal Lost To Powertrain Module/Out of Range
P1360	Ignition Coil 'A' Secondary Circuit
P1361	Ignition Coil 'B' Secondary Circuit
P1362	Ignition Coil 'C' Secondary Circuit
P1364	Ignition Coil Primary Circuit
P1365	Ignition Coil Secondary Circuit
P1390	Octane Adjust Shorting Bar Out or Circuit Open
P1400	DPFE Sensor Circuit Low Input
P1401	DPFE Sensor Circuit High Input
P1402	EGR Valve Position Sensor Circuit
P1405	DPFE Sensor Upstream Hose Off Or Plugged
P1406	DPFE Sensor Downstream Hose Off or Plugged
P1407	No EGR Flow Detected
P1408	EGR System Flow Out of Key On Eng Run Self Test Range
P1409	EGR Vacuum Regulator Solenoid Circuit
P1410	EGR Boost Solenoid Valve Stuck
P1443	EVAP System Purge Flow Fault
P1444	EVAP Purge Flow Sensor Circuit Low Voltage
P1446	EVAP Purge Flow Sensor Circuit High Voltage
P1449	CDCV or Throttle Position CV Circuit
P1450	EVAP Control System Fault
P1451	Canister Vent Solenoid Circuit
P1455	Fuel Tank Level Sensor Circuit
P1460	Wide Open Throttle A/C Cut-Off Relay Circuit
P1464	Air Conditioning Control Signal Circuit
P1474	Fan Control (Primary Winding) Circuit
P1479	Fan Control (Condenser Primary) Circuit
P1485	EGR Vacuum Solenoid Circuit
P1486	EGR Vent Solenoid Circuit
P1487	EGR-CHK (Boost) Solenoid Circuit
P1496	EGR Valve Motor Coil '1' Open or Shorted
P1497	EGR Valve Motor Coil '2' Open or Shorted
P1498	EGR Valve Motor Coil '3' Open or Shorted
P1499	EGR Valve Motor Coil '4' Open or Shorted
P1500	Vehicle Speed Sensor Intermittent Signal
P1501	Vehicle Speed Sensor Out of Self Test Range
P1502	Vehicle Speed Sensor Circuit Error
P1504	Idle Air Control Solenoid Circuit Intermittent
P1505	Idle Air Control System at Adaptive Clip
P1506	Idle Air Control System Overspeed Detected
P1507	Idle Air Control System Underspeed Detected
P1508	Bypass Air Solenoid '1' Circuit
P1509	Bypass Air Solenoid '2' Circuit
P1512	VTCS Fault
P1521	VRIS Solenoid '1' Circuit
P1522	VRIS Solenoid '2' Circuit
P1523	VICS Solenoid Circuit
P1524	Charge Air Cooler Bypass Solenoid Circuit
P1525	ABV Vacuum Solenoid Circuit
P1526	ABV Vent Solenoid Circuit
P1529	L/C Atmospheric Balance Air Control Valve Circuit

P1540	ABV System Fault
P1562	Powertrain Control Module +BB Voltage Low
P1569	VTCS Circuit Low Input
P1570	VTCS Circuit High Input
P1601	Powertrain Control Module Comm Line to TCM Error
P1602	Immobilizer System Comm Error with Powertrain Module
P1603	Immobilizer System Fault
P1604	Immobilizer System Fault
P1605	Powertrain Control Module Keep Alive Memory Test Error
P1608	Powertrain Control Module (ECM CPU) DTC Test Fault
P1609	Powertrain Control Module (ECM CPU) Knock Sensor Circuit
P1621	Immobilizer System Fault
P1622	Immobilizer System Fault
P1623	Immobilizer System Fault
P1624	Immobilizer System Fault
P1627	Powertrain Control Module (ECM/TCS) Line Comm Error
P1628	Powertrain Control Module (ECM/TCS) Any Line Comm Error
P1631	Generator Output Voltage Signal (No Output)
P1632	Battery Voltage Monitor Circuit
P1633	Battery Overcharge Fault
P1634	Generator Terminal 'B' Circuit Open
P1650	Power Steering Pressure Switch Out of Range Fault
P1651	Power Steering Pressure Switch Circuit
P1652	Power Steering Pressure Switch Circuit
P1701	Transmission Range Sensor Reverse Engagement Error
P1702	Transmission Range Sensor Circuit Intermittent
P1703	Brake On/Off Switch Out of Self Test Range
P1705	Transmission Range Sensor out of Self Test Range
P1709	Clutch Pedal Position Switch Circuit
P1711	Trans Fluid Temp sensor Circuit out of Self Test Range
P1713	Transmission Fluid Temperature Sensor Circuit
P1714	Shift Solenoid '1' Mechanical Fault
P1715	Shift Solenoid '2' Mechanical Fault
P1716	Shift Solenoid '3' Mechanical Fault
P1717	Shift Solenoid '4' Mechanical Fault
P1718	Transmission Fluid Temperature Sensor Circuit
P1720	Vehicle Speed Sensor '2' Signal Error
P1729	Transmission 4x4 Low Switch Error
P1740	Torque Converter Clutch Solenoid Mechanical Fault
P1741	Torque Converter Clutch Control Electrical Fault
P1742	Torque Converter Clutch Solenoid Shorted
P1743	Torque Converter Clutch Failed On - TCIL is On
P1744	Torque Converter Clutch Solenoid Mechanical Fault
P1746	Electronic Pressure Control Solenoid Circuit Open
P1747	Electronic Pressure Control Solenoid Circuit
P1749	Electronic Pressure Control Solenoid Circuit Low
P1751	Transmission Shift Solenoid 'A' Mechanical Fault
P1752	Transmission Shift Solenoid 'A' Circuit Shorted
P1754	Transmission Coast Clutch Solenoid Electrical Fault
P1756	Transmission Shift Solenoid 'B' Mechanical Fault
P1757	Transmission Shift Solenoid 'B' Circuit Shorted
P1761	Transmission Shift Solenoid '3' Mechanical Fault
P1762	Transmission SS3/SS4/OD Band Fault
P1765	Transmission 3-2 Timing Solenoid Valve
P1767	Torque Converter Clutch Solenoid Circuit
P1771	Throttle Pos Sensor Circuit Open to Trans Ctrl Module
P1772	Throttle Pos Sensor Shorted to Trans Ctrl Module
P1780	Trans Ctrl SW Circuit/Overdrive Off SW not Cycled
P1781	Transmission 4x4 Low Switch out of Range Fault
P1783	Transmission Fluid Temperature High Input
P1788	3-2T/CCS Circuit Open
P1789	3-2T/CCS Circuit Shorted
P1794	Powertrain Control Module Battery Direct Power Circuit
P1797	P/N Switch Open or Short Circuit
P1900	Turbine Speed Sensor Circuit Intermittent
P1901	Torque Converter Clutch Circuit Intermittent

P1086	TGV2 position sensor circuit (Low)
P1087	TGV2 position sensor circuit (High)
P1088	TGV1 position sensor circuit (Low)
P1089	TGV1 position sensor circuit (High)
P1090	TGV 1 system (Open)
P1091	TGV 1 system (Closed)
P1092	TGV 2 system (Open)
P1093	TGV 2 system (Closed)
P1094	TGV 1 circuit (Open circuit)
P1095	TGV 1 circuit (Excessive electricity)
P1096	TGV 2 circuit (Open circuit)
P1097	TGV 2 circuit (Excessive electricity)
P1100	Starter Switch Circuit Low Input
P1101	Neutral Position Switch Circuit
P1102	Pressure Sources Switching Solenoid Circuit Low Input
P1103	Engine Torque Control '1' Circuit
P1104	Traction Control System Signal Circuit
P1106	Engine Torque Control '2' Circuit
P1107	AIR System Diagnosis Solenoid Circuit
P1108	Induction Control Solenoid Circuit
P1110	Atmospheric Pressure Sensor Circuit Low Input
P1111	Pressure Sensor Circuit High Input
P1112	Pressure Sensor Range/Performance
P1115	Engine Torque Control High Input
P1116	Engine Torque Control Low Input
P1120	Starter Switch Circuit High Input
P1121	Neutral Position Switch Circuit Low Input (A/T)
P1122	Pressure Sources Switching Valve Circuit High Input
P1124	Traction Control System High Input
P1130	Air Fuel Ratio Sensor Circuit Open (Bank 1 Sensor 1)
P1131	Air Fuel Ratio Sensor Circuit Shorted (Bank 1 Sensor 1)
P1132	Air Fuel Ratio Sensor Heater Circuit Low Input(B1S1)
P1133	Air Fuel Ratio Sensor Heater Circuit High Input (B1 S1)
P1134	Air Fuel Ratio Sensor Micro Computer (Bank 1 Sensor 1)
P1137	Front oxygen (A/F) sensor circuit range/performance problem
P1139	Air Fuel Ratio Sensor Micro Computer (Bank 1 Sensor 1)
P1141	Mass Airflow Sensor Circuit High Input
P1142	Throttle Position Sensor Circuit Low Input
P1143	Pressure Sensor Range/Performance
P1144	Pressure Sensor Circuit Low Input
P1145	Pressure Sensor Circuit High Input
P1150	HO2S Bank 1 Sensor 1 Heater Circuit High Input
P1151	HO2S Bank 1 Sensor 2 Heater Circuit High Input
P1230	Fuel pump control unit malfunction
P1244	Wastegate control solenoid valve malfunction (low input)
P1245	Wastegate control solenoid valve malfunction (fail-safe)
P1301	Fire due to increased exhaust temperature
P1312	Exhaust temperature sensor malfunction
P1325	Knock Sensor Circuit Low Input
P1400	Fuel Tank Pressure Control Solenoid Circuit Low Input
P1401	Fuel Tank Pressure Control System Performance
P1402	Fuel Level Pressure Sensor Circuit
P1420	EVAP Purge Control Solenoid Circuit High Input
P1421	EGR Control Solenoid Circuit High Input
P1422	EVAP Purge Control Solenoid Circuit High Input
P1423	EVAP Vent Control Solenoid Circuit High Input
P1440	Fuel Tank Pressure System Range/Performance No 1
P1441	Fuel Tank Pressure Control System Circuit High Input
P1442	Fuel Tank Pressure System Range/Performance No 2
P1443	EVAP Vent Control Solenoid Function Fault
P1500	Cooling Sub Fan Relay '1' Circuit
P1501	Idle Control System Malfunction (Fail Safe)
P1502	Radiator Fan Performance
P1505	Idle Control System Circuit High Input
P1507	Idle Control System Fault (Fail Safe Mode)
P1510	Idle Control System Solenoid Valve Signal 1 Low Input

P1511	Idle Control System Solenoid Valve Signal 1 High Input
P1512	Idle Control System Solenoid Valve Signal 2 Low Input
P1513	Idle Control System Solenoid Valve Signal 2 High Input
P1514	Idle Control System Solenoid Valve Signal 3 Low Input
P1515	Idle Control System Solenoid Valve Signal 3 High Input
P1516	Idle Control System Solenoid Valve Signal 4 Low Input
P1517	Idle Control System Solenoid Valve Signal 4 High Input
P1518	Starter switch circuit low input
P1520	Radiator Fan Relay '1' High Input
P1540	Vehicle Speed Sensor '2' Range/Performance
P1544	High exhaust temperature detected
P1560	Backup Voltage Circuit
P1590	Neutral position switch circuit high input
P1591	Neutral position switch circuit low input
P1592	Neutral position switch circuit (MT model)
P1594	Automatic transmission diagnosis input signal circuit malfunction
P1595	Automatic transmission diagnosis input signal circuit low input
P1596	Automatic transmission diagnosis input signal circuit high input
P1698	Engine torque control cut signal circuit low input
P1699	Engine torque control cut signal circuit high input
P1700	Throttle Position Sensor Circuit (AT Only)
P1701	Cruise Control System Set Signal Circuit
P1702	TCM Diagnosis Input Signal Circuit Low Input
P1703	Low Clutch Timing Control Solenoid Valve Circuit
P1704	2-4 Brake Timing Control Solenoid Valve Circuit
P1705	2-4 Brake Timing Control Duty Solenoid 'D' Circuit
P1711	Engine torque control signal 1 circuit malfunction
P1712	Engine torque control signal 2 circuit malfunction
P1722	Automatic Transmission Diagnosis Circuit High Input
P1742	Automatic Transmission Diagnosis Circuit
P1250	EFE Heater Circuit
P1408	Manifold Differential Pressure Sensor Circuit
P1410	Fuel Tank Pressure Control Solenoid Circuit
P1450	Barometric Pressure Sensor Circuit
P1451	Barometric Pressure Sensor Performance
P1460	Radiator Fan Control System Fault
P1500	Engine Starter Signal Circuit
P1510	Powertrain Control Module Backup Power Supply Circuit
P1530	Ignition Timing Adjustment Switch Circuit
P1600	PCM/TCM Serial Communication Circuit
P1700	Trans Control Module Throttle Position Sensor Circuit
P1705	Transmission Control Module ECT Sensor Circuit
P1715	Park Neutral Position Switch Circuit
P1717	AT Drive Range Signal Circuit
P1875	4WD Low Switch Circuit
P1106	Manifold Absolute Pres Sensor Intermittent High Input
P1107	Manifold Absolute Pres Sensor Intermittent Low Input
P1108	Barometric Pressure Circuit Input High
P1111	Intake Air Temperature Sensor Intermittent High Input
P1112	Intake Air Temperature Sensor Intermittent Low Input
P1114	Engine Coolant Temp Sensor Intermittent Low Input
P1115	Engine Coolant Temp Sensor Intermittent High Input
P1121	Throttle Position Sensor Intermittent High Input
P1122	Throttle Position Sensor intermittent Low Input
P1133	HO2S Bank 1 Sensor 1 Insufficient Switching
P1134	HO2S Bank 1 Sensor 1 Transition Time Ratio
P1153	HO2S Bank 2 Sensor 1 Insufficient Switching
P1154	HO2S Bank 2 Sensor 1 Transition Time Ratio
P1171	Fuel System Lean During Acceleration
P1297	Electrical Load Detector Circuit Input Low
P1298	Electrical Load Detector Circuit Input High
P1300	Random Misfire
P1336	Crankshaft Position System Not Learned
P1345	Crankshaft Position - Camshaft Position Correlation
P1351	Ignition Coil Control Circuit High Input
P1359	CKP/TDC Sensor Disconnected

P1361	Ignition Coil Control Circuit Low Input
P1362	TDC Sensor No Signal
P1380	Misfire Detected - Rough Road Data Not Available
P1381	Misfire Detected - No Communication with ABS Module
P1382	Cylinder Position Sensor No Signal
P1390	G-Acceleration Sensor Intermittent Low Input
P1391	G-Acceleration (Low G) Sensor Performance
P1392	Rough Road G-Sensor Circuit Low Input
P1393	Rough Road G-Sensor Circuit High Input
P1394	G-Acceleration Sensor Intermittent High Input
P1404	EGR Closed Position Performance
P1406	EGR Valve Pintle Position Sensor Circuit Fault
P1415	Secondary Air Injection System (Bank 1)
P1416	Secondary Air Injection System (Bank 2)
P1441	EVAP System Flow During Non-Purge
P1442	EVAP System Flow During Non-Purge
P1459	EVAP Emission Purge Flow Switch Malfunction
P1491	EGR Valve Lift Insufficient Detected
P1498	EGR Valve Lift Sensor Voltage High
P1508	Idle Speed Control System - Low RPM
P1509	Idle Speed Control System - High RPM
P1546	A/C Compressor Clutch Output Circuit Malfunction
P1548	A/C Compressor Clutch Output Circuit Malfunction
P1607	PCM Internal Circuit Failure A
P1618	Serial Peripheral Interface Communication Error
P1621	Vehicle Control Module Long Term Memory Performance
P1626	Theft Deterrent Fuel Enable Signal Not Received
P1627	PCM A/D Conversion Malfunction
P1631	Theft Deterrent Start Enable Signal Not Correct
P1632	Theft Deterrent Fuel Disable Signal Received
P1635	5 Volt Reference Voltage Circuit Malfunction
P1640	Output Driver Module 'A' Fault
P1650	Quad Driver Module "A" Fault
P1790	VCM ROM (Transmission Side) Check Sum Error
P1792	VCM EEPROM (Transmission Side) Check Sum Error
P1835	Kick Down Switch Always On
P1850	Brake Band Apply Solenoid Electrical Fault
P1860	TCC PWM Solenoid Electrical Fault
P1870	Transmission Component Slipping
P1100	Manifold Absolute Pressure Sensor Range/Performance
P1102	Manifold Absolute Pressure Sensor Circuit Low Input
P1103	Manifold Absolute Pressure Sensor Circuit High Input
P1123	Long Term Fuel Trim Adaptive Too Lean
P1124	Long Term Fuel Trim Adaptive Too Rich
P1127	Long Term Fuel Trim Multiplier Too Rich
P1128	Long Term Fuel Trim Multiplier Too Lean
P1134	HO2S Bank 1 Sensor 1 Transition Time Switch
P1147	ETS Sub Accel Position Sensor 1 Malfunction
P1151	ETS Main Accel Position Sensor 2 Malfunction
P1154	HO2S Bank 2 Sensor 1 Transition Time Switch
P1155	ETS Limp Home Valve
P1159	Variable Intake Motor Malfunction
P1166	HO2S B1 Sensor1 Controller Adaptive Diagnosis Fault(B1)
P1167	HO2S B1 Sensor1 Controller Adaptive Diagnosis Fault(B2)
P1168	HO2S B1 Sensor 1 Heater Power Incorrect (B1 Sensor 2)
P1169	HO2S B1 Sensor 1 Heater Power incorrect (B2 Sensor 2)
P1400	Manifold Differential Pressure Sensor Circuit
P1440	EVAP System Vent Solenoid Circuit
P1171	Electronic Throttle System Open
P1174	Electronic Throttle System #1 Close Malfunction
P1175	Electronic Throttle System #2 Close Malfunction
P1176	ETS Motor Open/Short #1
P1176	ETS Motor Open/Short #2
P1178	ETS Motor Battery Voltage Open
P1330	Spark Timing Adjust Malfunction
P1372	Segment Time Incorrect

P1443	EVAP System Fault (Fuel Tank Cap Missing)
P1510	Idle Control Valve Opening Circuit Shorted (Coil 1)
P1511	Idle Control Valve Command Signal Shorted (Coil 2)
P1513	Idle Air Control Valve Opening Coil Circuit Open(Coil1)
P1521	Power Steering Switch Input Circuit
P1529	Customer Snapshot Request VIA CAN
P1552	Idle Air Control Valve Closing Coil Circuit Shorted
P1553	Idle Air Control Valve Closing Coil Circuit Open
P1586	Encoding Signal Circuit Not Rationale
P1602	Serial Communication Fault with Transmission Ctrl Unit
P1605	Rough Road Sensor Circuit
P1606	Rough Road Sensor Circuit Not Valid
P1607	Electronic Throttle System Communication Error
P1611	MIL Request Signal Circuit Low Input
P1613	ECU Self-Test Failed
P1614	MIL Request Signal Circuit High Input
P1616	Main Relay Fault
P1623	Diagnostic Lamp Power Stage Fault
P1624	MIL On Request Signal//Cooling Fan Relay Low Circuit
P1625	Cooling Fan Relay High Circuit
P1632	Traction Control System Malfunction
P1665	Power Stage Group 'A' Fault
P1670	Power Stage Group 'B' Fault
P1715	Automatic Transmission Pulse Generator 'A' Circuit
P1750	A/T Shift - Pressure or Damper Clutch Solenoid Fault
P1102	HO2S Bank 1 Sensor 1 Heater Circuit High Input
P1105	HO2S Bank 1 Sensor 2 Heater Circuit High Input
P1115	HO2S Bank 1 Sensor 1 Heater Circuit Low Input
P1117	HQ2S Bank 1 Sensor 2 Heater Circuit Low Input
P1121	Throttle Position Sensor Signal Malfunction from ECM to TCM
P1123	Long Term Fuel Trim Adaptive Air System Low
P1124	Long Term Fuel Trim Adaptive Air System High
P1127	Long Term Fuel Trim Multiplicative Air System Low
P1128	Long Term Fuel Trim Multiplicative Air System High
P1140	Load Calculation Cross Check
P1170	HO2S Bank 1 Sensor 1 Circuit Voltage Stuck at Mid-Range
P1195	EGR Boost Or Pressure Sensor Circuit
P1196	Ignition Switch Start Circuit
P1213	Fuel Injector 1 Circuit High Input
P1214	Fuel Injector 2 Circuit High Input
P1215	Fuel Injector 3 Circuit High Input
P1216	Fuel Injector 4 Circuit High Input
P1225	Fuel Injector 1 Circuit Low Input
P1226	Fuel Injector 2 Circuit Low Input
P1227	Fuel Injector 3 Circuit Low Input
P1228	Fuel Injector 4 Circuit Low Input
P1250	Pressure Regulator Control Solenoid Circuit
P1252	Pressure Regulator Control Solenoid Valve No 2 Circuit Malfunction
P1307	Chassis Acceleration Sensor Range/Performance
P1308	Chassis Acceleration Sensor Circuit Low Input
P1309	Chassis Acceleration Sensor Circuit High Input
P1345	No SGC (CMP) Signal To Powertrain Control Module
P1386	Knock Sensor Control Zero Test
P1401	EGR Control Solenoid Circuit Signal Low
P1402	EGR Ctrl Solenoid Signal High/EGR Valve Pos Sensor
P1410	EVAP Purge Control Solenoid Circuit High Input
P1412	EGR Differential Pressure Sensor Signal Low
P1413	EGR Differential Pressure Sensor Signal High
P1425	EVAP Purge Control Solenoid Circuit Low Input
P1449	Canister Drain Cut Valve Solenoid Circuit
P1450	Excessive Vacuum Leak
P1455	Fuel Tank Sending Unit Circuit
P1457	Purge Solenoid Valve Low System Malfunction
P1458	Air Conditioning Compressor Clutch Circuit Fault
P1485	EGR Vent Control Solenoid Circuit
P1486	EGR Vacuum Control Solenoid Circuit

P1487	EGR Boost Sensor Solenoid Circuit
P1496	EGR Stepper Motor Malfunction - Circuit 1 (1 8L)
P1497	EGR Stepper Motor Malfunction - Circuit 2 (1 8L)
P1498	EGR Stepper Motor Malfunction - Circuit 3 (1 8L)
P1499	EGR Stepper Motor Malfunction - Circuit 4 (1 8L)
P1500	No Vehicle Speed Signal to TCM
P1505	Idle Air Control Valve Opening Coil Signal Low
P1506	Idle Air Control Valve Opening Coil Signal High
P1507	Idle Air Control Valve Closing Coil Signal Low
P1508	Idle Air Control Valve Closing Coil Signal High
P1510	Idle Air Control Valve Closing Coil High Input
P1513	Idle Air Control Valve Closing Coil Low Input
P1515	Automatic Transmission To Manual Trans Codification
P1523	VICS Solenoid Valve Circuit
P1552	Idle Air Control Valve Opening Coil Low Input
P1553	Idle Air Control Valve Opening Coil High Input
P1586	Automatic Transmission - Manual Trans Codification
P1606	Chassis Accelerator Sensor Signal Circuit
P1608	Powertrain Control Module Internal Fault
P1611	MIL Request Circuit Low Input
P1614	MIL Request Circuit High Input
P1616	Chassis Accelerator Sensor Signal Low Input
P1617	Chassis Accelerator Sensor Signal High Input
P1624	TCM To PCM MIL Request Signal Circuit
P1631	Alternator "T" Open or No Power Output (1 8L)
P1632	Battery Voltage Detection Circuit for Alternator Regulator (1 8L)
P1633	Battery Overcharge
P1634	Alternator "B" Open (1 8L)
P1655	Unused Power Stage 'B'
P1660	Unused Power Stage 'A'//Power Stage Group 'B'
P1665	Power Stage Group 'A'
P1673	Cooling Fan Circuit
P1693	Malfunction Indicator Circuit
P1743	Torque Converter Clutch Solenoid Circuit
P1794	Direct Battery Circuit Open
P1795	4WD Switch Signal Malfunction
P1797	Clutch Pedal Switch//P/N Switch Circuit
P1111	Intake Air Temperature (IAT) Sensor Circuit Intermittent High Voltage
P1112	Intake Air Temperature (IAT) Sensor Circuit Intermittent Low Voltage
P1114	Engine Coolant Temperature (ECT) Sensor Circuit Intermittent Low Voltage
P1115	Engine Coolant Temperature (ECT) Sensor Circuit Intermittent High Voltage
P1120	Throttle Position (TP) Sensor 1 Circuit
P1125	Accelerator Pedal Position (APP) System
P1133	or P1153 HO2S Insufficient Switching
P1134	or P1154 HO2S Transition Time Ratio
P1220	Throttle Position (TP) Sensor 2 Circuit
P1221	Throttle Position (TP) Sensor 1- 2 Correlation
P1258	Engine Coolant Overtemperature - Protection Mode Active
P1275	Accelerator Pedal Position (APP) Sensor 1 Circuit
P1276	Accelerator Pedal Position (APP) Sensor 1 Performance
P1280	Accelerator Pedal Position (APP) Sensor 2 Circuit
P1281	Accelerator Pedal Position (APP) Sensor 2 Performance
P1285	Accelerator Pedal Position (APP) Sensor 3 Circuit
P1286	Accelerator Pedal Position (APP) Sensor 3 Performance
P1336	Crankshaft Position (CKP) System Variation Not Learned
P1380	Misfire Detected - Rough Road Data Not Available
P1381	Misfire Detected - No Communication with Brake Control Module
P1415	or P1416 Secondary Air Injection (AIR) System
P1431	Fuel Level Sensor 2 Performance
P1432	Fuel Level Sensor 2 Circuit Low Voltage
P1433	Fuel Level Sensor 2 Circuit High Voltage
P1441	Evaporative Emission (EVAP) System Flow During Non-Purge
P1514	Throttle Body Performance
P1515	Control Module Throttle Actuator Position Performance
P1516	Throttle Actuator Control (TAC) Module Throttle Actuator Position Performance
P1517	Throttle Actuator Control (TAC) Module Performance

P1518	Throttle Actuator Control (TAC) Module Serial Data Circuit
P1539	Air Conditioning (AC) Clutch Feedback Circuit High Voltage
P1546	Air Conditioning (AC) Clutch Feedback Circuit Low Voltage
P1574	Stoptlamp Switch Circuit
P1575	Extended Travel Brake Switch Circuit
P1626	Theft Deterrent Fuel Enable Signal Lost
P1630	Theft Deterrent Learn Mode Active
P1631	Theft Deterrent Start Enable Signal Not Correct
P1635	5 Volt Reference 1 Circuit
P1637	Generator L-Terminal Circuit
P1638	Generator F-Terminal Circuit
P1639	5 Volt Reference 2 Circuit
P1652	Powertrain Induced Chassis Pitch Output Circuit
P1810	TFP Valve Position Switch Circuit
P1860	TCC PWM Solenoid Circuit Electrical
P1870	Transmission Component Slipping
P1100	BARO Sensor Circuit Malfunction
P1120	Accelerator Pedal Position Sensor Circuit Malfunction
P1121	Accelerator Pedal Position Sensor Range/Performance Problem
P1125	Throttle Control Motor Circuit Malfunction
P1126	Magnetic Clutch Circuit Malfunction
P1127	ECTS Actuator Power Source Circuit Malfunction
P1128	Throttle Control Motor Lock Malfunction
P1129	Electronic Throttle Control System
P1130	Air/Fuel Ratio Sensor Circuit Range/Performance Malfunction (Bank 1 Sensor 1)
P1133	Air/Fuel Ratio Sensor Circuit Response Malfunction (Bank 1 Sensor 1)
P1135	Air/Fuel Ratio Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)
P1150	Air/Fuel Ratio Sensor Circuit Range/Performance Malfunction (Bank 2 Sensor 1)
P1153	Air/Fuel Ratio Sensor Circuit Response Malfunction (Bank 2 Sensor 1)
P1155	Air/Fuel Ratio Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)
P1200	Fuel Pump Relay/ECU Circuit Malfunction
P1300	Igniter Circuit Malfunction (Bank 1 Or No 1)
P1305	Igniter Circuit Malfunction, (Bank 2 Or No 2)
P1310	Igniter Circuit Malfunction (No 3)
P1315	Igniter Circuit Malfunction (No 4)
P1320	Igniter Circuit Malfunction (No 5)
P1325	Igniter Circuit Malfunction (No 6)
P1330	Igniter Circuit Malfunction (No 7)
P1335	CKP Sensor Circuit Malfunction During Engine Running
P1340	Igniter Circuit Malfunction (No 8)
P1345	WT Sensor Circuit Malfunction (Bank 1)
P1346	WT Sensor Rang/Performance Problem (Bank 1)
P1349	WT System Malfunction (Bank 1)
P1350	WT Sensor Circuit Malfunction (Bank 2)
P1351	WT Sensor Range/Performance Problem (Bank 2)
P1354	WT System Malfunction (Bank 2)
P1400	Sub-TP Sensor Malfunction
P1401	Sub-TP Sensor Range/Performance
P1410	EGR Valve Position Sensor Circuit Malfunction
P1411	EGR Valve Position Sensor Circuit Range/Performance Malfunction
P1500	Starter Signal Circuit Malfunction
P1520	Stop Lamp Switch Malfunction
P1565	Cruise Control Main Switch Circuit Malfunction
P1566	Cruise Control Main Switch Circuit Malfunction
P1600	ECMBATT Malfunction
P1605	Knock Control CPU Malfunction
P1633	ECM Malfunction (ETCS Circuit)
P1645	Body ECU Malfunction
P1656	OCV Circuit Malfunction (Bank 1)
P1663	OCV Circuit Malfunction (Bank 2)
P1780	PNP Switch Malfunction
B2785	Ignition Switch On Malfunction (Immobilizer System)
B2786	Ignition Switch Off Malfunction (Immobilizer System)
B2785	Ignition Switch On Malfunction (Immobilizer System)
B2791	Key Unlock Warning Switch Malfunction (Immobilizer System)
B2795	Unmatch Key Code (Immobilizer System)

B2796	No Communication In Immobilizer System
B2797	Communication Malfunction No 1 (Immobilizer System)
B2798	Communication Malfunction No 2 (Immobilizer System)
P1105	MAP/BARO Switch Solenoid Valve
P1110	Intake Valve Timing Control (Left Bank)
P1120	Secondary Throttle Position Sensor (STPS)
P1125	TPS Intermittant
P1130	Swirl Control Valve Control Solenoid Valve
P1135	Intake Valve Timing Control (Right Bank)
P1140	Intake Valve Timing Control Position Sensor (Left Bank)
P1145	Intake Valve Timing Control Position Sensor (Right Bank)
P1148	Closed Loop Control (Bank 1)
P1165	Swirl Control Valve Control Vacuum Check Switch
P1168	Closed Loop Control (Bank 2)
P1210	Traction Control System (TCS) Signal Circuit
P1220	Fuel Pump Control Module (FPCM)
P1320	Ignition Signal, Primary
P1335	Crankshaft Position Sensor (CKPS) (Ref)
P1336	Crankshaft Position Sensor (CKPS) (Cog)
P1400	EGRC Solenoid Valve
P1401	EGR Temperature Sensor
P1402	EGR Function (Open)
P1440	EVAP Control System (Small Leak) (Positive Pressure)
P1441	VC/V Bypass Valve
P1443	Canister Control Vacuum Check Switch
P1444	Canister Purge Volume Control Solenoid Valve
P1445	Purge Volume Control/V
P1446	EVAP Canister Vent Control Valve (Close)
P1447	EVAP Control System Purge Flow Monitoring
P1448	EVAP Canister Vent Control Valve (Open)
P1490	Vacuum Cut Valve Bypass Valve (Circuit)
P1491	Vacuum Cut Valve Bypass Valve
P1492	EVAP Canister Purge Control/Solenoid Valve (Circuit)
P1493	EVAP Canister Purge Control Valve/Solenoid Valve
P1605	AT Diagnosis Communication Line
P1705	Throttle Position Sensor
P1706	PNP Switch
P1760	Overrun Clutch Solenoid Valve
P1900	Cooling Fan
P1106	BARO Sensor Circuit Range/Performance Malfunction
P1107	BARO Circuit Low Input
P1108	BARO Circuit High Input
P1121	Throttle Position Lower Than Expected
P1122	Throttle Position Higher Than Expected
P1128	MAP Lower Than Expected
P1129	MAP Higher Than Expected
P1259	VTEC System Malfunction
P1297	ELD Circuit Low Input
P1298	ELD Circuit High Input
P1300	Random Misfire
P1336	Crankshaft Speed Fluctuation Sensor Intermittant Interruption
P1337	Crankshaft Speed Fluctuation Sensor No Signal
P1359	Crankshaft Position/TDC/Cylinder Position Sensor Connector Disconnection
P1361	TDC Sensor Intermittent Interruption
P1362	TDC 1 Sensor No Signal
P1366	TDC 2 Sensor Intermittent
P1367	TDC 2 Sensor No Signal
P1381	Cylinder Position Sensor Intermittant Interruption
P1382	Cylinder Position Sensor No Signal
P1456	EVAP System Leak Detected (Fuel Tank System)
P1457	EVAP Control System Leak Detected (Control Canister System)
P1491	EGR Valve Lift Insufficient Detected
P1498	Voltage Problem In EGR Valve Position Sensor Circuit
P1508	Idle Air Control Valve Circuit Failure
P1519	IAC Valve Circuit Failure
P1607	ECM/PCM Internal Circuit Failure

P1656	Automatic Transaxle
P1660	A/T FI Data Line Failure
P1676	FPTDR Signal Line Failure
P1678	FPTDR Signal Line Failure
P1681	A/T FI Signal A Low Input
P1682	A/T FI Signal A High Input
P1686	A/T FI Signal B Low Input
P1687	A/T FI Signal B High Input
P1705	Automatic Transaxle
P1706	Automatic Transaxle
P1709	Automatic Transaxle
P1710	Automatic Transaxle
P1713	Automatic Transaxle
P1738	Automatic Transaxle
P1739	Automatic Transaxle
P1740	Automatic Transaxle
P1753	Automatic Transaxle
P1758	Automatic Transaxle
P1768	Automatic Transaxle
P1773	Automatic Transaxle
P1778	Automatic Transaxle
P1786	Automatic Transaxle
P1790	Automatic Transaxle
P1791	Automatic Transaxle
P1792	Automatic Transaxle
P1794	Automatic Transaxle