

توضیح کدهای خطای موتور و گیربکس (P Codes) در استاندارد OBD-II

P0100	Mass or Volume Air Flow Circuit Malfunction
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 Malfunction
P0106	Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance Problem
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High Input
P0109	Manifold Absolute Pressure/Barometric Pressure Circuit Intermittent
P0109	Intake Air Temperature Circuit Malfunction
P0110	IAT Circuit Malfunction
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 Malfunction
P0116	Engine 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
P0120	Throttle Position Sensor/Switch A Circuit Malfunction
P0121	Throttle Position Sensor/Switch A Circuit Range/Performance Problem
P0122	Throttle Position Sensor/Switch A Circuit Low Input
P0123	Throttle Position Sensor/Switch A Circuit High Input
P0124	Throttle Position Sensor/Switch A Circuit Intermittent
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control; ECT Excessive Time to Closed Loop Fuel Control
P0126	Insufficient Coolant Temperature for Stable Operation
P0128	Coolant Thermostat Malfunction
P0130	O2 Sensor Circuit Malfunction (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 Malfunction (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 Malfunction (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 Malfunction (Bank 1 Sensor 3)
P0150	O2 Sensor Circuit Malfunction (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 Malfunction (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 Malfunction (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 Malfunction (Bank 2 Sensor 3)
P0170	Fuel Trim Malfunction (Bank 1)
P0171	Fuel Trim System Lean (Bank 1)
P0172	Fuel Trim too Rich (Bank 1)
P0173	Fuel Trim Malfunction (Bank 2)
P0174	Fuel Trim too Lean (Bank 2)
P0175	Fuel Trim too Rich (Bank 2)
P0176	Fuel Composition Sensor Circuit Malfunction
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 Malfunction
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 Malfunction
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
P0190	Fuel Rail Pressure Sensor Circuit Malfunction
P0191	Fuel Rail Pressure Sensor Circuit Range/Performance
P0192	Fuel Rail Pressure Sensor Circuit Low Input
P0193	Fuel Rail Pressure Sensor Circuit High Input
P0194	Fuel Rail Pressure Sensor Circuit Intermittent
P0195	Engine Oil Temperature Sensor Malfunction
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 Malfunction
P0201	Injector Circuit Malfunction - Cylinder 1
P0202	Injector Circuit Malfunction - Cylinder 2
P0203	Injector Circuit Malfunction - Cylinder 3
P0204	Injector Circuit Malfunction - Cylinder 4
P0205	Injector Circuit Malfunction - Cylinder 5
P0206	Injector Circuit Malfunction - Cylinder 6
P0207	Injector Circuit Malfunction - Cylinder 7
P0208	Injector Circuit Malfunction - Cylinder 8
P0209	Injector Circuit Malfunction - Cylinder 9
P0210	Injector Circuit Malfunction - Cylinder 10
P0211	Injector Circuit Malfunction - Cylinder 11
P0212	Injector Circuit Malfunction - Cylinder 12
P0213	Cold Start Injector 1 Malfunction
P0214	Cold Start Injector 2 Malfunction
P0215	Engine Shutoff Solenoid Malfunction
P0216	Injection Timing Control Circuit Malfunction
P0217	Engine Overtemp Condition
P0218	Transmission Over Temperature Condition
P0219	Engine Overspeed Condition
P0220	Throttle/Petal Position Sensor/Switch B Circuit Malfunction
P0221	Throttle/Petal Position Sensor/Switch B Circuit Range/Performance Problem
P0222	Throttle/Petal Position Sensor/Switch B Circuit Low Input
P0223	Throttle/Petal Position Sensor/Switch B Circuit High Input
P0224	Throttle/Petal Position Sensor/Switch B Circuit Intermittent
P0225	Throttle/Petal Position Sensor/Switch C Circuit Malfunction
P0226	Throttle/Petal Position Sensor/Switch C Circuit Range/Performance Problem
P0227	Throttle/Petal Position Sensor/Switch C Circuit Low Input
P0228	Throttle/Petal Position Sensor/Switch C Circuit High Input
P0229	Throttle/Petal Position Sensor/Switch C Circuit Intermittent
P0230	Fuel Pump Primary Circuit Malfunction

P0231	Fuel Pump Secondary Circuit Low
P0232	Fuel Pump Secondary Circuit High
P0233	Fuel Pump Secondary Circuit Intermittent
P0234	Engine Overboost Condition
P0235	Turbocharger Boost Sensor A Circuit Malfunction
P0236	Turbocharger Boost Sensor A Circuit Range/Performance
P0237	Turbocharger Boost Sensor A Circuit Low
P0238	Turbocharger Boost Sensor A Circuit High
P0239	Turbocharger Boost Sensor B Malfunction
P0240	Turbocharger Boost Sensor B Circuit Range/Performance
P0241	Turbocharger Boost Sensor B Circuit Low
P0242	Turbocharger Boost Sensor B Circuit High
P0243	Turbocharger Wastegate Solenoid A Malfunction
P0244	Turbocharger Wastegate Solenoid A Range/Performance
P0245	Turbocharger Wastegate Solenoid A Low
P0246	Turbocharger Wastegate Solenoid A High
P0247	Turbocharger Wastegate Solenoid B Malfunction
P0248	Turbocharger Wastegate Solenoid B Range/Performance
P0249	Turbocharger Wastegate Solenoid B Low
P0250	Turbocharger Wastegate Solenoid B High
P0251	Injection Pump Fuel Metering Control "A" Malfunction (Cam/Rotor/Injector)
P0252	Injection Pump Fuel Metering Control "A" Range/Performance (Cam/Rotor/Injector)
P0253	Injection Pump Fuel Metering Control "A" Low (Cam/Rotor/Injector)
P0254	Injection Pump Fuel Metering Control "A" High (Cam/Rotor/Injector)
P0255	Injection Pump Fuel Metering Control "A" Intermittent (Cam/Rotor/Injector)
P0256	Injection Pump Fuel Metering Control "B" Malfunction (Cam/Rotor/Injector)
P0257	Injection Pump Fuel Metering Control "B" Range/Performance (Cam/Rotor/Injector)
P0258	Injection Pump Fuel Metering Control "B" Low (Cam/Rotor/Injector)
P0259	Injection Pump Fuel Metering Control "B" High (Cam/Rotor/Injector)
P0260	Injection Pump Fuel Metering Control "B" Intermittent (Cam/Rotor/Injector)
P0261	Cylinder 1 Injector Circuit Low
P0262	Cylinder 1 Injector Circuit High
P0263	Cylinder 1 Contribution/Balance Fault
P0264	Cylinder 2 Injector Circuit Low
P0265	Cylinder 2 Injector Circuit High
P0266	Cylinder 2 Contribution/Balance Fault
P0267	Cylinder 3 Injector Circuit Low
P0268	Cylinder 3 Injector Circuit High
P0269	Cylinder 3 Contribution/Balance Fault

P0270	Cylinder 4 Injector Circuit Low
P0271	Cylinder 4 Injector Circuit High
P0272	Cylinder 4 Contribution/Balance Fault
P0273	Cylinder 5 Injector Circuit Low
P0274	Cylinder 5 Injector Circuit High
P0275	Cylinder 5 Contribution/Balance Fault
P0276	Cylinder 6 Injector Circuit Low
P0277	Cylinder 6 Injector Circuit High
P0278	Cylinder 6 Contribution/Balance Fault
P0279	Cylinder 7 Injector Circuit Low
P0280	Cylinder 7 Injector Circuit High
P0281	Cylinder 7 Contribution/Balance Fault
P0282	Cylinder 8 Injector Circuit Low
P0283	Cylinder 8 Injector Circuit High
P0284	Cylinder 8 Contribution/Balance Fault
P0285	Cylinder 9 Injector Circuit Low
P0286	Cylinder 9 Injector Circuit High
P0287	Cylinder 9 Contribution/Balance Fault
P0288	Cylinder 10 Injector Circuit Low
P0289	Cylinder 10 Injector Circuit High
P0290	Cylinder 10 Contribution/Balance Fault
P0291	Cylinder 11 Injector Circuit Low
P0292	Cylinder 11 Injector Circuit High
P0293	Cylinder 11 Contribution/Balance Fault
P0294	Cylinder 12 Injector Circuit Low
P0295	Cylinder 12 Injector Circuit High
P0296	Cylinder 12 Contribution/Range Fault
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
P0320	Ignition/Distributor Engine Speed Input Circuit Malfunction
P0321	Ignition/Distributor Engine Speed Input Circuit Range/Performance
P0322	Ignition/Distributor Engine Speed Input Circuit No Signal
P0323	Ignition/Distributor Engine Speed Input Circuit Intermittent
P0325	Knock Sensor 1 Circuit Malfunction (Bank 1 or Single Sensor)
P0326	Knock Sensor 1 Circuit Range/Performance (Bank 1 or Single Sensor)

P0327	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)
P0329	Knock Sensor 1 Circuit Intermittent (Bank 1 or Single Sensor)
P0330	Knock Sensor 2 Circuit Malfunction (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 Intermittent (Bank 2)
P0335	Crankshaft Position Sensor A Circuit Malfunction
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 Circuit Malfunction
P0341	Camshaft Position Sensor Circuit Range/Performance
P0342	Camshaft Position Sensor Circuit Low Input
P0343	Camshaft Position Sensor Circuit High Input
P0344	Camshaft Position Sensor Circuit Intermittent
P0350	Ignition Coil Primary/Secondary Circuit Malfunction
P0351	Ignition Coil A Primary/Secondary Circuit Malfunction
P0352	Ignition Coil B Primary/Secondary Circuit Malfunction
P0353	Ignition Coil C Primary/Secondary Circuit Malfunction
P0354	Ignition Coil D Primary/Secondary Circuit Malfunction
P0355	Ignition Coil E Primary/Secondary Circuit Malfunction
P0356	Ignition Coil F Primary/Secondary Circuit Malfunction
P0357	Ignition Coil G Primary/Secondary Circuit Malfunction
P0358	Ignition Coil H Primary/Secondary Circuit Malfunction
P0359	Ignition Coil I Primary/Secondary Circuit Malfunction
P0360	Ignition Coil J Primary/Secondary Circuit Malfunction
P0361	Ignition Coil K Primary/Secondary Circuit Malfunction
P0362	Ignition Coil L Primary/Secondary Circuit Malfunction
P0370	Timing Reference High Resolution Signal A Malfunction
P0371	Timing Reference High Resolution Signal A Too Many Pulses
P0372	Timing Reference High Resolution Signal A Too Few Pulses
P0373	Timing Reference High Resolution Signal A Intermittent/Erratic Pulses
P0374	Timing Reference High Resolution Signal A No Pulses
P0375	Timing Reference High Resolution Signal B Malfunction
P0376	Timing Reference High Resolution Signal B Too Many Pulses
P0377	Timing Reference High Resolution Signal B Too Few Pulses
P0378	Timing Reference High Resolution Signal B Intermittent/Erratic Pulses

P0379	Timing Reference High Resolution Signal B No Pulses
P0380	Glow Plug/Heater Circuit "A" Malfunction
P0381	Glow Plug/Heater Indicator Circuit Malfunction
P0382	Exhaust Gas Recirculation Flow Malfunction
P0385	Crankshaft Position Sensor B Circuit Malfunction
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
P0400	Exhaust Gas Recirculation Flow Malfunction
P0401	Exhaust Gas Recirculation Flow Insufficient Detected
P0402	Exhaust Gas Recirculation Flow Excessive Detected
P0403	Exhaust Gas Recirculation Circuit Malfunction
P0404	Exhaust Gas Recirculation Circuit Range/Performance
P0405	Exhaust Gas Recirculation Sensor A Circuit Low
P0406	Exhaust Gas Recirculation Sensor A Circuit High
P0407	Exhaust Gas Recirculation Sensor B Circuit Low
P0408	Exhaust Gas Recirculation Sensor B Circuit High
P0410	Secondary Air Injection System Malfunction
P0411	Secondary Air Injection System Incorrect Flow Detected
P0412	Secondary Air Injection System Switching Valve A Circuit Malfunction
P0413	Secondary Air Injection System Switching Valve A Circuit Open
P0414	Secondary Air Injection System Switching Valve A Circuit Shorted
P0415	Secondary Air Injection System Switching Valve B Circuit Malfunction
P0416	Secondary Air Injection System Switching Valve B Circuit Open
P0417	Secondary Air Injection System Switching Valve B Circuit Shorted
P0418	Secondary Air Injection System Relay "A" Circuit Malfunction
P0419	Secondary Air Injection System Relay "B" Circuit Malfunction
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)
P0426	Catalyst Temperature Sensor Range/Performance (Bank 1)
P0427	Catalyst Temperature Sensor Low Input (Bank 1)
P0428	Catalyst Temperature Sensor High Input (Bank 1)
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)
P0436	Catalyst Temperature Sensor Range/Performance (Bank 2)
P0437	Catalyst Temperature Sensor Low Input (Bank 2)
P0438	Catalyst Temperature Sensor High Input (Bank 2)
P0440	Evaporative Emission Control System Malfunction
P0441	Evaporative Emission Control System Incorrect Purge Flow
P0442	Evaporative Emission Control System Leak Detected (small leak)
P0443	Evaporative Emission Control System Purge Control Valve Circuit Malfunction
P0444	Evaporative Emission Control System Purge Control Valve Circuit Open
P0445	Evaporative Emission Control System Purge Control Valve Circuit Shorted
P0446	Evaporative Emission Control System Vent Control Circuit Malfunction
P0447	Evaporative Emission Control System Vent Control Circuit Open
P0448	Evaporative Emission Control System Vent Control Circuit Shorted
P0449	Evaporative Emission Control System Vent Valve/Solenoid Circuit Malfunction
P0450	Evaporative Emission Control System Pressure Sensor Malfunction
P0451	Evaporative Emission Control System Pressure Sensor Range/Performance
P0452	Evaporative Emission Control System Pressure Sensor Low Input
P0453	Evaporative Emission Control System Pressure Sensor High Input
P0454	Evaporative Emission Control System Pressure Sensor Intermittent
P0455	Evaporative Emission Control System Leak Detected (gross leak)
P0460	Fuel Level Sensor Circuit Malfunction
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	Purge Flow Sensor Circuit Malfunction
P0466	Purge Flow Sensor Circuit Range/Performance
P0467	Purge Flow Sensor Circuit Low Input
P0468	Purge Flow Sensor Circuit High Input
P0469	Purge Flow Sensor Circuit Intermittent
P0470	Exhaust Pressure Sensor Malfunction
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 Malfunction
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
P0480	Cooling Fan 1 Control Circuit Malfunction
P0481	Cooling Fan 2 Control Circuit Malfunction
P0482	Cooling Fan 3 Control Circuit Malfunction
P0483	Cooling Fan Rationality Check Malfunction
P0484	Cooling Fan Circuit Over Current
P0485	Cooling Fan Power/Ground Circuit Malfunction
P0500	Vehicle Speed Sensor Malfunction
P0501	Vehicle Speed Sensor Range/Performance
P0502	Vehicle Speed Sensor Low Input
P0503	Vehicle Speed Sensor Intermittent/Erratic/High
P0505	Idle Control System Malfunction
P0506	Idle Control System RPM Lower Than Expected
P0507	Idle Control System RPM Higher Than Expected
P0510	Closed Throttle Position Switch Malfunction
P0520	Engine Oil Pressure Sensor/Switch Circuit Malfunction
P0521	Engine Oil Pressure Sensor/Switch Circuit Range/Performance
P0522	Engine Oil Pressure Sensor/Switch Circuit Low Voltage
P0523	Engine Oil Pressure Sensor/Switch Circuit High Voltage
P0530	A/C Refrigerant Pressure Sensor Circuit Malfunction
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
P0550	Power Steering Pressure Sensor Circuit Malfunction
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
P0560	System Voltage Malfunction
P0561	System Voltage Unstable
P0562	System Voltage Low
P0562	A/C pressure sensor low voltage(Chrysler)
P0563	System Voltage High
P0565	Cruise Control On Signal Malfunction
P0566	Cruise Control Off Signal Malfunction
P0567	Cruise Control Resume Signal Malfunction
P0568	Cruise Control Set Signal Malfunction
P0569	Cruise Control Coast Signal Malfunction
P0570	Cruise Control Accel Signal Malfunction

P0571	Cruise Control/Brake Switch A Circuit Malfunction
P0572	Cruise Control/Brake Switch A Circuit Low
P0573	Cruise Control/Brake Switch A Circuit High
P0574	Cruise Control Related Malfunction
P0575	Cruise Control Related Malfunction
P0576	Cruise Control Related Malfunction
P0576	Cruise Control Related Malfunction
P0578	Cruise Control Related Malfunction
P0579	Cruise Control Related Malfunction
P0580	Cruise Control Related Malfunction
P0600	Serial Communication Link Malfunction
P0601	Control Module Read Only Memory(ROM)
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	PCM Processor Fault
P0608	Control Module VSS Output "A" Malfunction
P0609	Control Module VSS Output "B" Malfunction
P0620	Generator Control Circuit Malfunction
P0621	Generator Lamp "L" Control Circuit Malfunction
P0622	Generator Field "F" Control Circuit Malfunction
P0650	Malfunction Indicator Lamp (MIL) Control Circuit Malfunction
P0654	Engine RPM Output Circuit Malfunction
P0655	Engine Hot Lamp Output Control Circuit Malfunction
P0656	Fuel Level Output Circuit Malfunction
P0700	Transmission Control System Malfunction
P0701	Transmission Control System Range/Performance
P0702	Transmission Control System Electrical
P0703	Torque Converter/Brake Switch B Circuit Malfunction
P0704	Clutch Switch Input Circuit Malfunction
P0705	Transmission Range Sensor Circuit malfunction (PRNDL Input)
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 Malfunction
P0711	Transmission Fluid Temperature Sensor Circuit Range/Performance
P0712	Transmission Fluid Temperature Sensor Circuit Low Input
P0713	Transmission Fluid Temperature Sensor Circuit High Input
P0714	Transmission Fluid Temperature Sensor Circuit Intermittent
P0715	Input/Turbine Speed Sensor Circuit Malfunction
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 Malfunction
P0721	Output Speed Sensor Range/Performance
P0722	Output Speed Sensor No Signal
P0723	Output Speed Sensor Intermittent
P0724	Torque Converter/Brake Switch B Circuit High
P0725	Engine Speed input Circuit Malfunction
P0726	Engine Speed Input Circuit Range/Performance
P0727	Engine Speed Input Circuit No Signal
P0728	Engine Speed Input Circuit Intermittent
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 gear ratio
P0740	Torque Converter Clutch Circuit Malfunction
P0741	Torque Converter Clutch Circuit Performance or 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 Malfunction
P0746	Pressure Control Solenoid Performance or Stuck Off
P0747	Pressure Control Solenoid Stuck On
P0748	Pressure Control Solenoid Electrical
P0749	Pressure Control Solenoid Intermittent
P0750	Shift Solenoid A Malfunction
P0751	Shift Solenoid A Performance or Stuck Off/ 1-2 Shift Solenoid Valve Performance
P0752	Shift Solenoid A Stuck On
P0753	Shift Solenoid A Electrical/ 1-2 Shift Solenoid Circuit Electrical
P0754	Shift Solenoid A Intermittent
P0755	Shift Solenoid B Malfunction
P0756	Shift Solenoid B Performance or Stuck Off/ 2-3 Shift Solenoid Valve Performance
P0757	Shift Solenoid B Stuck On
P0758	Shift Solenoid B Electrical/ 2-3 Shift Solenoid Circuit Electrical
P0759	Shift Solenoid B Intermittent
P0760	Shift Solenoid C Malfunction
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 D Malfunction

P0766	Shift Solenoid D Performance or Stuck Off
P0767	Shift Solenoid D Stuck On
P0768	Shift Solenoid D Electrical
P0769	Shift Solenoid D Intermittent
P0770	Shift Solenoid E Malfunction
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 Malfunction
P0776	Pressure Control Solenoid B Performance
P0777	Pressure Control Solenoid B Stuck On
P0778	Pressure Control Solenoid B Electrical
P0779	Pressure Control Solenoid B Intermittent
P0780	Shift Malfunction
P0781	1-2 Shift Malfunction
P0782	2-3 Shift Malfunction
P0783	3-4 Shift Malfunction
P0784	4-5 Shift Malfunction
P0785	Shift/Timing Solenoid Malfunction/ 3-2 Shift Solenoid Circuit Electrical
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 Malfunction
P0801	Reverse Inhibit Control Circuit Malfunction
P0803	1-4 Upshift (Skip Shift) Solenoid Control Circuit Malfunction
P0804	1-4 Upshift (Skip Shift) Lamp Control Circuit Malfunction
P1100	MAF Sensor Intermittent/ Check of all OBDII Systems Not Complete
P1101	MAF Sensor Out Of Self Test Range./ KOER Not Able To Complete KOER Aborted
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/ Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent High Voltage
P1107	Dual Alternator Lower Circuit Malfunction/ Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent Low Voltage
P1108	Dual Alternator Battery Lamp Circuit Malfunction
P1109	IAT - B Sensor Intermittent
P1110	IAT Sensor (D/C) Open/Short
P1111	Intake Air Temperature (IAT) Sensor Circuit Intermittent High Voltage

P1112	Intake Air Temperature (IAT) Sensor Circuit Intermittent Low Voltage
P1113	IAT Sensor Open/Short
P1114	Engine Coolant Temperature (ECT) Sensor Circuit Intermittent Low Voltage/IAT - B Circuit Low Input
P1115	Engine Coolant Temperature (ECT) Sensor Circuit Intermittent High Voltage/IAT - B Circuit High Input
P1116	Engine Coolant sensor out of range/ECT Sensor Out Of Self Test Range
P1117	Engine 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 (TP) Sensor Circuit Intermittent High Voltage
P1122	Throttle Position (TP) Sensor Circuit Intermittent Low Voltage
P1123	Throttle Position Sensor In Range But Higher Than Expected
P1124	Throttle Position Sensor Out Of Self Test Range
P1125	Throttle position sensor intermittent
P1126	Throttle Position (Narrow Range) 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)
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
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
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
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 Circuit Malfunction/ Crankshaft Position - Camshaft Position 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 Malfunction/ Ignition Coil Control Circuit 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
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	Crankshaft Position (CKP)/Ignition 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 (Bank #1)/ Misfire Detected - No Communication with BCM
P1382	Variable Cam Timing Solenoid #1 Circuit Malfunction
P1383	Variable Cam Timing Overretarded (Bank #1)
P1384	VVT 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	VVT 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/ Exhaust Gas Recirculation Closed Position Performance
P1405	DPFE Sensor Upstream Hose Off Or Plugged
P1406	Exhaust Gas Recirculation (EGR) Position Sensor Performance
P1407	EGR No Flow Detected
P1408	EGR Flow Out Of Self Test Range
P1409	EVR Control Circuit Malfunction
P1411	SAI System Incorrect Downstream Flow Detected
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	A/C Refrigerant Temperature Circuit Low
P1434	A/C Refrigerant Temperature Circuit High
P1435	A/C Refrigerant Temperature Circuit Range/Performance
P1436	A/C Evaporator Air Temperature Circuit Low
P1437	A/C Evaporator Air Temperature Circuit High
P1438	A/C Evaporator Air Temperature Circuit Range/Performance
P1439	Floor Temperature Switch Circuit Malfunction
P1440	Purge Valve Stuck Open
P1441	Evaporative Emission (EVAP) System Flow During Non-Purge Chevrolet Only

P1441	Evaporative Emission (EVAP) System Flow During Non-Purge Oldsmobile 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 Control Sys Leak Detected (Gross Leak/No Flow)
P1456	Fuel Tank Temperature Sensor Circuit Malfunction
P1457	Unable To Pull Vacuum In Tank
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 Malfunction
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
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	Control Module Long Term Memory Performance/ Immobilizer Code Words Do 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 Not Received/ B+ Supply To VCRM A/C Circuit Malfunction
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 Not Correct/ Main Relay Malfunction (Power Hold)
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
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 Temperature 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
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	Transmission Clutch Interlock Safety Switch Circuit Failure

P1801	Transmission Clutch Interlock Safety Switch Open Circuit
P1802	Transmission Clutch Interlock Safety Switch Short Circuit To Battery
P1803	Transmission Clutch Interlock Safety Switch Short Circuit To Ground
P1804	Transmission 4-Wheel Drive High Indicator Circuit Failure
P1805	Transmission 4-Wheel Drive High Indicator Open Circuit
P1806	Transmission 4-Wheel Drive High Indicator Short Circuit To Battery
P1807	Transmission 4-Wheel Drive High Indicator Short Circuit To Ground
P1808	Transmission 4-Wheel Drive Low Indicator Circuit Failure
P1809	Transmission 4-Wheel Drive Low Indicator Open Circuit
P1810	TFP Valve Position Switch Circuit/ Transmission 4-Wheel Drive Low Indicator Short Circuit To Battery
P1811	Transmission 4-Wheel Drive Low Indicator Short Circuit To Ground
P1812	Transmission 4-Wheel Drive Mode Select Circuit Failure
P1813	Transmission 4-Wheel Drive Mode Select Open Circuit
P1814	Transmission 4-Wheel Drive Mode Select Short Circuit To Battery
P1815	Transmission 4-Wheel Drive Mode Select Short Circuit To Ground
P1816	Transmission Neutral Safety Switch Circuit Failure
P1817	Transmission Neutral Safety Switch Open Circuit
P1818	Transmission Neutral Safety Switch Short Circuit To Battery
P1819	Transmission Neutral Safety Switch Short Circuit To Ground
P1820	Transmission Transfer Case Clockwise Shift Relay Coil Circuit Failure

P1821	Transmission Transfer Case Clockwise Shift Relay Coil Open Circuit
P1822	Transmission Transfer Case Clockwise Shift Relay Coil Short Circuit To Battery
P1823	Transmission Transfer Case Clockwise Shift Relay Coil Short Circuit To Ground
P1824	Transmission 4-Wheel Drive Clutch Relay Circuit Failure
P1825	Transmission 4-Wheel Drive Clutch Relay Open Circuit
P1826	Transmission 4-Wheel Drive Low Clutch Relay Circuit To Battery
P1827	Transmission 4-Wheel Drive Low Clutch Relay Circuit To Ground
P1828	Transmission Transfer Case Counter Clockwise Shift Relay Coil Circuit Failure
P1829	Transmission Transfer Case Counter Clockwise Shift Relay Coil Open Circuit
P1830	Transmission Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Battery
P1831	Transmission Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Ground
P1832	Transmission Transfer Case Differential Lock-Up Solenoid Circuit Failure
P1833	Transmission Transfer Case Differential Lock-Up Solenoid Open Circuit
P1834	Transmission Transfer Case Differential Lock-Up Solenoid Short Circuit To Battery
P1835	Transmission Transfer Case Differential Lock-Up Solenoid Short Circuit To Ground
P1836	Transmission Transfer Case Front Shaft Speed Sensor Circuit Failure
P1837	Transmission Transfer Case Rear Shaft Speed Sensor Circuit Failure
P1838	Transmission Transfer Case Shift Motor Circuit Failure
P1839	Transmission Transfer Case Shift Motor Open Circuit

P1840	Transmission Transfer Case Shift Motor Short Circuit To Battery
P1841	Transmission Transfer Case Shift Motor Short Circuit To Ground
P1842	Transmission Transfer Case Differential Lock-Up Feedback Switch Circuit Failure
P1843	Transmission Transfer Case Differential Lock-Up Feedback Switch Open Circuit
P1844	Transmission Transfer Case Differential Lock-Up Feedback Switch Short Circuit To Battery
P1845	Transmission Transfer Case Differential Lock-Up Feedback Switch Short Circuit To Ground
P1846	Transmission Transfer Case Contact Plate 'A' Circuit Failure
P1847	Transmission Transfer Case Contact Plate 'A' Open Circuit
P1848	Transmission Transfer Case Contact Plate 'A' Short Circuit To Battery
P1849	Transmission Transfer Case Contact Plate 'A' Short Circuit To Ground
P1850	Transmission Transfer Case Contact Plate 'B' Circuit Failure
P1851	Transmission Transfer Case Contact Plate 'B' Open Circuit
P1852	Transmission Transfer Case Contact Plate 'B' Short Circuit To Battery
P1853	Transmission Transfer Case Contact Plate 'B' Short Circuit To Ground
P1854	Transmission Transfer Case Contact Plate 'C' Circuit Failure
P1855	Transmission Transfer Case Contact Plate 'C' Open Circuit
P1856	Transmission Transfer Case Contact Plate 'C' Short Circuit To Battery
P1857	Transmission Transfer Case Contact Plate 'C' Short Circuit To Ground
P1858	Transmission Transfer Case Contact Plate 'D' Circuit Failure
P1859	Transmission Transfer Case Contact Plate 'D' Open Circuit

P1860	TCC PWM Solenoid Circuit Electrical/ Transmission Transfer Case Contact Plate 'D' Short Circuit To Battery
P1861	Transmission Transfer Case Contact Plate 'D' Short Circuit To Ground
P1862	Transmission Transfer Case Contact Plate Power Circuit Failure
P1863	Transmission Transfer Case Contact Plate Power Open Circuit
P1864	Transmission Transfer Case Contact Plate Power Short To Battery
P1865	Transmission Transfer Case Contact Plate Power Short To Ground
P1866	Transmission Transfer Case System Concern - Servicing Required
P1867	Transmission Transfer Case Contact Plate General Circuit Failure
P1868	Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit Failure
P1869	Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit Short To Battery
P1870	Transmission Component Slipping/ Transmission Mechanical Transfer Case 4x4 Switch Circuit Failure
P1871	Transmission Mechanical Transfer Case 4x4 Switch Circuit Short To Battery
P1872	Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Failure
P1873	Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Short To Battery
P1874	Transmission Automatic Hall Effect Sensor Power Circuit Failure
P1875	Transmission Automatic Hall Effect Sensor Power Circuit Short To Battery / 4WD Low Switch Circuit Electrical
P1876	Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Failure
P1877	Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Short To Battery
P1878	Transmission Transfer Case Disengaged Solenoid Circuit Failure

P1879	Transmission Transfer Case Disengaged Solenoid Open Circuit
P1880	Transmission Transfer Case Disengaged Solenoid Short to Battery
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
P1885	Transmission Transfer Case Disengaged Solenoid Short to Ground
P1886	4X4 Initialization Failure
P1890	Transmission 4WD Mode Select Return Input Circuit Failure
P1891	Transmission Transfer Case Contact Plate Ground Return Open Circuit
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	Transmission Pressure Circuit Solenoid Open or Short to Ground
P1909	Trans Temp Sensor Circuit Open or Shorted to Pwr or 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