

Code	CE	Description
P0011	7-3	A Camshaft Position System Performance (Bank 1)
P0014		Exhaust Active Valve Control System (AVCS) System 1 (Range/Performance)
P0016		Crank and Cam Timing A Failure (Bank 1)
P0017		Crank and Cam Timing B System Failure (Bank 1)
P0018		Crank and Cam Timing A Failure (Bank 2)
P0019		Crank and Cam Timing B System Failure (Bank 2)
P0021	7-4	A Camshaft Position System Performance (Bank 2)
P0024		Exhaust Active Valve Control System (AVCS) System 2 (Range/Performance)
P0026		OSV Solenoid Valve (Right) Malfunction
P0028		OSV Solenoid Valve (Left) Malfunction
P0030		O2 Sensor Heater Circuit Range/Performance (Bank 1 Sensor 1)
P0031	12-8	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)
P0032	12-6	HO2S Heater Control Circuit High (Bank 1 Sensor 1)
P0034	11-7	Turbo Charger Bypass Valve Control Circuit Low
P0035	11-8	Turbo Charger Bypass Valve Control Circuit High
P0037	12-7	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)
P0038	12-5	HO2S Heater Control Circuit High (Bank 1 Sensor 2)
P0043		HO2S Heater Control Circuit Low (Bank 1 Sensor 3)
P0044		HO2S Heater Control Circuit High (Bank 1 Sensor 3)
P0046		Turbocharger Boost Control Solenoid Valve Circuit Range/Performance
P0050		O2 Sensor Heater Circuit Range/Performance (Bank 2 Sensor 1)
P0051	13-16	HO2S Heater Control Circuit Low (Bank 2 Sensor 1)
P0052	13-15	HO2S Heater Control Circuit High (Bank 2 Sensor 1)
P0057		HO2S Heater Control Circuit Low (Bank 2 Sensor 2)
P0058		HO2S Heater Control Circuit High (Bank 2 Sensor 2)
P0063		HO2S Heater Control Circuit Low (Bank 2 Sensor 3)
P0064		HO2S Heater Control Circuit High (Bank 2 Sensor 3)
P0065	14-5	Air Assisted Injector (AAI) Control Range/Performance
P0066	14-3	Air Assisted Injector (AAI) Control Circuit or Circuit Low
P0067	14-4	Air Assisted Injector (AAI) Control Circuit High
P0068		Manifold Pressure Sensor Range/Performance
P0076		OSV Solenoid Valve (Right) Circuit Malfunction (Low)
P0077		OSV Solenoid Valve (Right) Circuit Malfunction (High)
P0082		OSV Solenoid Valve (Left) Circuit Malfunction (Low)
P0083		OSV Solenoid Valve (Left) Circuit Malfunction (High)
P0088		Fuel Rail Pressure Abnormal (Too High)
P0089		Fuel Pressure Regulator Performance (Limiter Valve Opening Problem)
P0091		Fuel Pressure Switching Solenoid (Circuit Low)
P0092		Fuel Pressure Switching Solenoid (Circuit High)
P0093		Fuel System Leak Detected (Large Leak)
P0096		Intake Air Temperature Sensor #2 Range/Performance Problem
P0097		Intake Air Temperature Sensor #2 Circuit (Low)
P0098		Intake Air Temperature Sensor #2 Circuit (High)
P0101	1-12	Mass or Volume Air Flow Circuit Range/Performance (High)
P0101		Mass or Volume Air Flow Circuit Range/Performance
P0102	1-9	Mass or Volume Air Flow Circuit Low
P0103	1-10	Mass or Volume Air Flow Circuit High
P0106	3-5	Pressure Sensor Circuit Range/Performance
P0106	12-12	Manifold Pressure Sensor Circuit Range/Performance Problem (Low)
P0107	3-1	Pressure Sensor Circuit Low Input
P0107	12-13	Manifold Pressure Sensor Circuit Malfunction (Low Input)
P0108	3-2	Pressure Sensor Circuit High Input
P0108	12-14	Manifold Pressure Sensor Circuit Malfunction (High Input)
P0111	12-3	Intake Air Temperature Sensor Range/Performance Problem
P0112	12-1	Intake Air Temperature Sensor Circuit Malfunction (Low Input)
P0113	12-2	Intake Air Temperature Sensor Circuit Malfunction (High Input)
P0116		Engine Coolant Temperature Sensor Circuit Range/Performance
P0117	2-9	Engine Coolant Temperature Sensor Circuit Low Input
P0118	2-10	Engine Coolant Temperature Sensor Circuit High Input
P0121	2-8	Throttle Position Sensor Circuit Performance (High Input)
P0122	2-5	Throttle Position Sensor Low Input
P0123	2-6	Throttle Position Sensor High Input
P0125	2-12	Insufficient Coolant Temperature for Closed Loop Fuel Control
P0126		Water Temperature
P0128	14-1	Coolant Thermostat
P0129		Atmospheric Pressure Sensor Range/Performance
P0130	9-10	O2 Sensor Circuit (Bank 1 Sensor 1)
P0130	14-6	O2 Sensor Circuit (Lean) (Bank 1 Sensor 1)
P0130		O2 Sensor Circuit (Bank 1 Sensor 1)
P0131	11-11	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)
P0132	11-13	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)

Code	CE	Description
P0133	9-9	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)
P0134		O2 Sensor Circuit Open (Bank 1 Sensor 1)
P0135	9-5	O2 Sensor Heater Circuit (Bank 1 Sensor 1)
P0136	9-12	O2 Sensor Circuit (Bank 1 Sensor 2)
P0137	11-9	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)
P0138	11-15	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)
P0139	9-11	O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)
P0140		O2 Sensor Circuit Range/Performance (Bank 1 Sensor 2)
P0141	9-6	O2 Sensor Heater Circuit (Bank 1 Sensor 2)
P0142		O2 Sensor Circuit (Bank 1 Sensor 3)
P0143		O2 Sensor Circuit Low Voltage (Bank 1 Sensor 3)
P0144		O2 Sensor Circuit High Voltage (Bank 1 Sensor 3)
P0145		O2 Sensor Circuit Slow Response (Bank 1 Sensor 3)
P0146		O2 Sensor Circuit Range/Performance (Bank 1 Sensor 3)
P0150		O2 Sensor Circuit (Bank 2 Sensor 1)
P0151	11-12	O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)
P0152	11-14	O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)
P0153	11-16	O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)
P0154		O2 Sensor Circuit Open (Bank 2 Sensor 1)
P0156		O2 Sensor Circuit (Bank 2 Sensor 2)
P0157		O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)
P0158		O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)
P0159		O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)
P0160		O2 Sensor Circuit Range/Performance (Bank 2 Sensor 2)
P0161		Oxygen O2 Sensor Heater Circuit (Bank 2 Sensor 2)
P0162		O2 Sensor Circuit (Bank 2 Sensor 3)
P0165		O2 Sensor Circuit Slow Response (Bank 2 Sensor 3)
P0170	10-3	Fuel Trim (Bank 1)
P0171	10-7	System Too Lean (Bank 1)
P0172	10-8	System Too Rich (Bank 1)
P0174	9-15	System Too Lean (Bank 2)
P0175	9-16	System Too Rich (Bank 2)
P0181	4-7	Fuel Temperature Sensor A Performance Problem
P0182	4-5	Fuel Temperature Sensor A Circuit Low Input
P0183	4-6	Fuel Temperature Sensor A Circuit High Input
P0191		Fuel Rail Pressure Sensor Circuit Range/Performance
P0192	14-13	Fuel Rail Pressure Sensor Circuit Low
P0193	14-14	Fuel Rail Pressure Sensor Circuit High
P0196		Oil Temperature Sensor Circuit Range/Performance Problem
P0197		Oil Temperature Sensor Circuit Malfunction (Low)
P0198		Oil Temperature Sensor Circuit Malfunction (High)
P0201		Injector #1 Circuit Malfunction
P0202		Injector #2 Circuit Malfunction
P0203		Injector #3 Circuit Malfunction
P0204		Injector #4 Circuit Malfunction
P0219		Engine Overspeed Condition
P0222		Throttle Position Sensor B Low Input
P0223		Throttle Position Sensor B High Input
P0230		Fuel Pump Controller
P0234		Boost Pressure Abnormal (Over-Boost)
P0244	15-4	Turbocharger Wastegate Solenoid A Range/Performance (High Input)
P0245	15-1	Turbocharger Wastegate Solenoid A Low
P0246	15-2	Turbocharger Wastegate Solenoid A High
P0249	15-6	Turbocharger Wastegate Solenoid B Low
P0250	15-7	Turbocharger Wastegate Solenoid B High
P0261	16-5	Fuel Injector Cylinder #1 Circuit Low
P0264	16-6	Fuel Injector Cylinder #2 Circuit Low
P0267	16-7	Fuel Injector Cylinder #3 Circuit Low
P0270	16-8	Fuel Injector Cylinder #4 Circuit Low
P0299		Boost Pressure Abnormal (Under-Boost)
P0301	10-9	Cylinder 1 Misfire Detected
P0302	10-10	Cylinder 2 Misfire Detected
P0303	10-11	Cylinder 3 Misfire Detected
P0304	10-12	Cylinder 4 Misfire Detected
P0305	10-13	Cylinder 5 Misfire Detected
P0306	10-14	Cylinder 6 Misfire Detected
P0325	2-1	Knock Sensor 1 Circuit Malfunction
P0327	2-3	Knock Sensor 1 Circuit Malfunction (Low Input)
P0328	2-4	Knock Sensor 1 Circuit Malfunction (High Input)
P0330	2-2	Knock Sensor 2 Circuit Malfunction
P0332	1-15	Knock Sensor 2 Circuit Malfunction (Low Input)
P0333	1-16	Knock Sensor 2 Circuit Malfunction (High Input)

Code	CE	Description
P0335	1-1	Crankshaft Position Sensor A Circuit Malfunction
P0336	1-3	Crankshaft Position Sensor A Range/Performance Problem
P0340	1-5	Camshaft Position Sensor A Circuit
P0340		Camshaft Position Sensor A Circuit (Bank 1)
P0341	1-4	Camshaft Position Sensor A Circuit Range/Performance
P0345		Camshaft Position Sensor A Circuit (Bank 2)
P0345		Camshaft Position Sensor A Circuit (Bank 2)
P0350	3-6	Ignition Coil Primary/Secondary Circuit
P0365	7-1	Camshaft Position Sensor B Circuit (Bank 1)
P0365		Camshaft Position Sensor B Circuit (Bank 1)
P0390	7-2	Camshaft Position Sensor B Circuit (Bank 2)
P0390		Camshaft Position Sensor B Circuit (Bank 2)
P0400	10-5	Exhaust Gas Recirculation (EGR) System Malfunction
P0401		Exhaust Gas Recirculation (EGR) Flow Insufficient Detected
P0402		Exhaust Gas Recirculation (EGR) Flow Excessive Detected
P0403		Exhaust Gas Recirculation (EGR) System Failure (Circuit Duty)
P0404		Exhaust Gas Recirculation (EGR) Operation Circuit Abnormal
P0405		Exhaust Gas Recirculation (EGR) Position Sensor Circuit (Low)
P0406		Exhaust Gas Recirculation (EGR) Position Sensor Circuit (High)
P0409		Exhaust Gas Recirculation (EGR) Position Sensor Performance
P0410		Secondary Air System Function
P0411		Secondary Air Flow Abnormal
P0413		Secondary Air Combi Valve Relay Circuit 1 (Low)
P0414		Secondary Air Combi Valve Relay Circuit 1 (High)
P0416		Secondary Air Combi Valve Relay Circuit 2 (Low)
P0417		Secondary Air Combi Valve Relay Circuit 2 (High)
P0418		Secondary Air Pump Relay (Low)
P0420	10-1	Catalyst System Efficiency Below Threshold
P0441		Evaporative Emission Control System Incorrect Purge Flow
P0442	10-2	Evaporative Emission Control System Leak Detected (Small Leak)
P0444	6-9	Canister Purge Control (CPC) Solenoid Valve Circuit Low
P0445	6-10	Canister Purge Control (CPC) Solenoid Valve Circuit High
P0447	7-15	Evaporative Emission Control System Ventilation Control Circuit Open
P0448	7-16	Evaporative Emission Control System Ventilation Control Circuit Short
P0451	3-12	Fuel Tank Pressure Sensor Performance Problem
P0452	3-9	Fuel Tank Pressure Sensor Circuit Low Input
P0453	3-10	Fuel Tank Pressure Sensor Circuit High Input
P0456	10-4	Evaporative Emission Control System Leak Detected (Very Small Leak)
P0457	10-16	Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off)
P0458	7-7	Canister Purge Control (CPC) Solenoid Valve Circuit Low
P0459	7-8	Canister Purge Control (CPC) Solenoid Valve Circuit High
P0461	2-15	Fuel Level Sensor Performance Problem
P0462	2-13	Fuel Level Sensor Circuit Low Input
P0463	2-14	Fuel Level Sensor Circuit High Input
P0464	2-11	Fuel Level Sensor Circuit Intermittent
P0480	6-13	Cooling Fan Relay 1 Circuit Low
P0483	6-15	Cooling Fan Rationality Check Malfunction
P0500	1-13	Vehicle Speed Sensor
P0501		Vehicle Speed Sensor Malfunction at Low Speed
P0502		Vehicle Speed Sensor Low Input
P0503		Vehicle Speed Sensor High Speed
P0506	6-4	Idle Control System RPM Lower Than Expected
P0507	6-5	Idle Control System RPM Higher Than Expected
P0508	6-1	Idle Control System Circuit Low
P0509	6-2	Idle Control System Circuit High
P0512	3-8	Starter Switch Circuit High Input
P0513	15-11	Incorrect Immobilizer Key
P0516		Battery Temperature Sensor Circuit (Low)
P0517		Battery Temperature Sensor Circuit (High)
P0519		Idle Control System Malfunction (Fail-safe)
P0545	16-9	Exhaust Gas Temperature Sensor Circuit Malfunction (Low Input)
P0546	16-10	Exhaust Gas Temperature Sensor Circuit Malfunction (High Input)
P0558		Alternator Circuit Low
P0559		Alternator Circuit High
P0562	14-15	System Voltage Low
P0563	14-16	System Voltage High
P0565		Cruise Control System Set Signal
P0579		Cruise Control Switch Circuit Range Performance Problem (High Input)
P0600		Improper CAN Communication
P0601	1-8	Internal Control Module Memory Check Sum Error
P0602		Control Module Programming Error
P0604	1-7	Internal Control Module Random Access Memory Error

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P0605		Internal Control Module Read Only Memory Error
P0606		Control Unit Processor (CPU) Failure
P0607		Throttle Control System Circuit Range/Performance
P0628		Fuel Pump Suction Control Valve Circuit (Short-Circuit to Ground)
P0629		Fuel Pump Suction Control Valve Circuit (Short-Circuit to Positive)
P0638		Throttle Control Circuit Range/Performance Problem
P0661	7-13	Intake Manifold Tuning Valve Circuit Low
P0662	7-14	Intake Manifold Tuning Valve Circuit High
P0687		Engine/Powertrain Control Module (ECM/PCM) Self-Shut Relay Failure
P0691	6-11	Cooling Fan Relay 1 Circuit Low
P0692	6-12	Cooling Fan Relay 1 Circuit High
P0700		Request AT Malfunction Indicator Light (MIL) On
P0703	8-7	Brake Switch Circuit Malfunction for AT
P0704		Clutch Switch Circuit Malfunction
P0705	8-5	AT Range Switch Circuit Malfunction
P0710	8-4	Automatic Transmission Fluid (ATF) Temperature Sensor Circuit Malfunction
P0711		Automatic Transmission Fluid (ATF) Temperature Sensor Circuit Range/Performance
P0712		ATF Temperature Sensor Circuit Low
P0713		ATF Temperature Sensor Circuit High
P0715	13-5	Torque Converter Turbine Speed Signal Circuit Malfunction
P0716		Torque Converter Turbine Speed Signal Circuit Malfunction
P0719		Brake Switch Circuit Low
P0720	8-1	AT Vehicle Speed Sensor Circuit Malfunction
P0720		AT Vehicle Speed Sensor Circuit High
P0722		AT Vehicle Speed Sensor Circuit Low
P0724		Brake Switch Circuit High
P0725	8-2	Engine Speed Input Circuit Malfunction
P0726		Engine Speed Input Circuit Malfunction
P0731	8-14	Gear 1 Incorrect Ratio
P0732	8-15	Gear 2 Incorrect Ratio
P0733	8-16	Gear 3 Incorrect Ratio
P0734	9-1	Gear 4 Incorrect Ratio
P0735		Gear 5 Incorrect Ratio
P0736		Reverse Incorrect Ratio
P0741	8-8	Torque Converter Clutch Circuit Malfunction
P0743	8-13	Torque Converter Clutch Circuit Electrical (Duty Solenoid B)
P0748	8-12	Pressure Control Solenoid Electrical (Duty Solenoid A)
P0751		Shift Solenoid A Malfunction
P0753	8-9	Shift Solenoid A Electrical
P0756		Shift Solenoid B Malfunction
P0758	8-10	Shift Solenoid B Electrical
P0761		Shift Solenoid C Malfunction
P0763		Shift Solenoid C Electrical
P0766		Shift Solenoid D Malfunction
P0768		Shift Solenoid D Electrical
P0771		AT Low Clutch Timing Solenoid Valve Circuit Malfunction
P0771		Shift Solenoid E Malfunction
P0773		Shift Solenoid E Electrical
P0778	13-8	AT 2-4 Brake Pressure Solenoid Valve Circuit Malfunction
P0785	13-7	AT 2-4 Brake Timing Solenoid Valve Circuit Malfunction
P0801		Reverse Inhibit Control Circuit
P0817		PN Signal Output Circuit
P0850		Neutral Position Switch Circuit
P0851	4-4	Neutral Switch Input Circuit Low
P0852	4-8	Neutral Switch Input Circuit High
P0864	6-16	Transmission Control Module (TCM) Communication Circuit Range/Performance
P0865	7-9	Transmission Control Module (TCM) Communication Circuit Low
P0866	7-10	Transmission Control Module (TCM) Communication Circuit High
P0880		PIVGN Power Supply Circuit
P0882		PIVGN Power Supply (Low)
P0883		PIVGN Power Supply (High)
P0955		Backup Lamp Relay Output (Open)
P0957		Backup Lamp Relay Output (Low)
P0958		Backup Lamp Relay Output (High)
P1009		Swirl Control Valve Circuit (Low)
P1026		Variable Valve Lift (VVL) Systems 1 Performance
P1028		Variable Valve Lift (VVL) Systems 2 Performance
P1086		Tumble Generator Valve (TGV) Position Sensor 2 Circuit Low
P1087		Tumble Generator Valve (TGV) Position Sensor 2 Circuit High
P1088		Tumble Generator Valve (TGV) Position Sensor 1 Circuit Low
P1089		Tumble Generator Valve (TGV) Position Sensor 1 Circuit High
P1090	5-13	Tumble Generator Valve (TGV) System 1 (Valve Open)

Code	CE	Description
P1091	5-14	Tumble Generator Valve (TGV) System 1 (Valve Close)
P1092	5-15	Tumble Generator Valve (TGV) System 2 (Valve Open)
P1093	5-16	Tumble Generator Valve (TGV) System 2 (Valve Close)
P1094	16-3	Tumble Generator Valve (TGV) 1 Signal Circuit Malfunction (Open)
P1095	16-1	Tumble Generator Valve (TGV) 1 Signal Circuit Malfunction (Short)
P1096	16-4	Tumble Generator Valve (TGV) 2 Signal Circuit Malfunction (Open)
P1097	16-2	Tumble Generator Valve (TGV) 2 Signal Circuit Malfunction (Short)
P1102	5-9	Pressure Sources Switching Solenoid Valve Circuit Low
P1110	12-9	Atmospheric Pressure Sensor Circuit Malfunction (Low Input)
P1111	12-10	Atmospheric Pressure Sensor Circuit Malfunction (High Input)
P1112	12-11	Atmospheric Pressure Sensor Circuit Range/Performance
P1122	5-10	Pressure Sources Switching Solenoid Valve Circuit High
P1130	13-9	O2 Sensor Circuit (Open) (Bank 1 Sensor 1)
P1131	13-11	O2 Sensor Circuit (Short) (Bank 1 Sensor 1)
P1134	11-10	Air/Fuel Sensor Micro-Computer Problem
P1135	13-10	O2 Sensor Circuit (Open) (Bank 2 Sensor 1)
P1136	13-12	O2 Sensor Circuit (Short) (Bank 2 Sensor 1)
P1137	14-7	O2 Sensor Circuit (Lambda=1) (Bank 1 Sensor 1)
P1137	14-8	O2 Sensor Circuit (Mid) (Bank 1 Sensor 1)
P1139	13-1	O2 Sensor Heater Circuit Range/Performance (Bank 1 Sensor 1)
P1140	13-2	O2 Sensor Heater Circuit Range/Performance (Bank 2 Sensor 1)
P1141	1-11	Mass or Volume Air Flow Circuit Range/Performance (Low)
P1142	2-7	Throttle Position Sensor Circuit Performance (Low Input)
P1143	3-3	Pressure Sensor Circuit Range/Performance (Low)
P1144	3-4	Pressure Sensor Circuit Range/Performance (High)
P1146	12-16	Manifold Pressure Sensor Circuit Range/Performance Problem (High)
P1152	9-13	O2 Sensor Circuit Range/Performance (Low) (Bank 1 Sensor 1)
P1153	9-14	O2 Sensor Circuit Range/Performance (High) (Bank 1 Sensor 1)
P1154	13-13	O2 Sensor Circuit Range/Performance (Low) (Bank 2 Sensor 1)
P1155	13-14	O2 Sensor Circuit Range/Performance (High) (Bank 2 Sensor 1)
P1160		Return Spring Failure
P1199		Differential Pressure Sensor
P1201		Injector Code Failure (Not Written)
P1202		Injector Code Data Abnormal
P1203		Injector Code Input Failure
P1213		Injector Driver (Low Charge)
P1214		Injector Driver (Over Charge)
P1230	10-6	Fuel Pump Controller
P1232		Fuel Pump Malfunction
P1233		Fuel Pressure Abnormal (Fuel Pump Failure 1)
P1234		Fuel Pressure Abnormal (Fuel Pump Failure 2)
P1235	11-3	Intake Control Valve Solenoid Circuit Low
P1236	11-4	Intake Control Valve Solenoid Circuit High
P1237	3-13	Exhaust Control Valve Solenoid Circuit Low (Positive Pressure)
P1238	3-14	Exhaust Control Valve Solenoid Circuit High (Positive Pressure)
P1239	3-15	Exhaust Control Valve Solenoid Circuit Low (Negative Pressure)
P1240	3-16	Exhaust Control Valve Solenoid Circuit High (Negative Pressure)
P1241		2-Stage Twin Turbo System (Single)
P1242		2-Stage Twin Turbo System (Twin)
P1244	15-3	Turbocharger Wastegate Solenoid A Range/Performance (Low Input)
P1245	15-5	Turbocharger Wastegate Solenoid A Range/Performance (Fail-safe)
P1247	15-8	Relief Valve Control Solenoid 1 Circuit Low
P1248	14-9	Relief Valve Control Solenoid 1 Circuit High
P1249	14-10	Relief Valve Control Solenoid 2 Circuit Low
P1250	14-11	Relief Valve Control Solenoid 2 Circuit High
P1282		Positive Crankcase Ventilation (PCV) System Circuit (Open)
P1301	10-15	Misfire Detected (High Temperature Exhaust Gas)
P1306	16-13	Oil Flow Control Solenoid Valve (OCV) 1 Signal Circuit Malfunction (Open)
P1307	16-15	Oil Flow Control Solenoid Valve (OCV) 1 Signal Circuit Malfunction (Short)
P1308	16-14	Oil Flow Control Solenoid Valve (OCV) 2 Signal Circuit Malfunction (Open)
P1309	16-16	Oil Flow Control Solenoid Valve (OCV) 2 Signal Circuit Malfunction (Short)
P1312	16-11	Exhaust Gas Temperature Sensor Malfunction
P1313		Misfire Detected Signal Circuit High Input
P1314		Misfire Detected Signal Circuit Low Input
P1380		Glow Relay Circuit (Low)
P1382		Glow Relay Circuit (High)
P1400	7-5	Fuel Tank Pressure Control Solenoid Valve Circuit Low
P1410		Secondary Air Combi Valve Open Seized
P1418		Secondary Air Pump Relay (High)
P1420	7-6	Fuel Tank Pressure Control Solenoid Valve Circuit High
P1442	2-16	Fuel Level Sensor Performance Problem (Travel Distance)
P1443	7-11	Ventilation Control Solenoid Valve Function Problem

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P1446	5-11	Fuel Tank Sensor Control Valve Circuit Low
P1447	5-12	Fuel Tank Sensor Control Valve Circuit High
P1448	6-8	Fuel Tank Sensor Control Valve Range/Performance
P1462		Intercylinder Fuel Pressure Sensor System Circuit (Low)
P1463		Intercylinder Fuel Pressure Sensor System Circuit (High)
P1465		Diesel Particulate Filter (DPF) Particulate Overfill
P1466		Diesel Particulate Filter (DPF) Substrate Damaged
P1467		Diesel Particulate Filter (DPF) Ash Overfill
P1468		Oil Dilution
P1469		Diesel Particulate Filter (DPF) Limp-Home Mode
P1471		Diesel Particulate Filter (DPF) Differential Pressure Sensor Upstream Piping Trouble
P1472		Diesel Particulate Filter (DPF) Inlet/Outlet Pressure Deviation Sensor (Low)
P1473		Diesel Particulate Filter (DPF) Inlet/Outlet Pressure Deviation Sensor (High)
P1475		Exhaust By-pass Valve Solenoid Malfunction (Low)
P1476		Exhaust By-pass Valve Solenoid Malfunction (High)
P1477		Exhaust By-pass Valve Function
P1480	6-14	Cooling Fan Relay 1 Circuit High
P1491	14-2	Positive Crankcase Ventilation (PCV) Function Problem (Blow-by)
P1492	5-1	EGR Solenoid Valve Signal #1 Circuit Malfunction (Low Input)
P1493	5-2	EGR Solenoid Valve Signal #1 Circuit Malfunction (High Input)
P1494	5-3	EGR Solenoid Valve Signal #2 Circuit Malfunction (Low Input)
P1495	5-4	EGR Solenoid Valve Signal #2 Circuit Malfunction (High Input)
P1496	5-5	EGR Solenoid Valve Signal #3 Circuit Malfunction (Low Input)
P1497	5-6	EGR Solenoid Valve Signal #3 Circuit Malfunction (High Input)
P1498	5-7	EGR Solenoid Valve Signal #4 Circuit Malfunction (Low Input)
P1499	5-8	EGR Solenoid Valve Signal #4 Circuit Malfunction (High Input)
P1507	6-3	Idle Control System Malfunction (Fail-safe)
P1510	4-9	ISC Solenoid Valve Signal #1 Circuit Malfunction (Low Input)
P1511	4-10	ISC Solenoid Valve Signal #1 Circuit Malfunction (High Input)
P1512	4-11	ISC Solenoid Valve Signal #2 Circuit Malfunction (Low Input)
P1513	4-12	ISC Solenoid Valve Signal #2 Circuit Malfunction (High Input)
P1514	4-13	ISC Solenoid Valve Signal #3 Circuit Malfunction (Low Input)
P1515	4-14	ISC Solenoid Valve Signal #3 Circuit Malfunction (High Input)
P1516	4-15	ISC Solenoid Valve Signal #4 Circuit Malfunction (Low Input)
P1517	4-16	ISC Solenoid Valve Signal #4 Circuit Malfunction (High Input)
P1518	3-7	Starter Switch Circuit Low Input
P1519		Starter Switch 2 System Circuit (OFF)
P1520		Starter Switch 2 System Circuit (ON)
P1521		Brake Switch Circuit Range Performance Problem (High Input)
P1530		Battery Current Sensor Circuit (Low)
P1531		Battery Current Sensor Circuit (High)
P1532		Charge Control System Abnormal
P1540	1-14	Vehicle Speed Sensor Malfunction at Low Speed
P1544	16-12	Exhaust Gas Temperature Too High
P1545	12-15	Exhaust Gas Temperature Sensor 2 Circuit Malfunction (Low Input)
P1546	12-4	Exhaust Gas Temperature Sensor 2 Circuit Malfunction (High Input)
P1547		Exhaust Gas Temperature Sensor Malfunction
P1559	7-12	Air Intake System
P1560	14-12	Back-up Voltage Circuit Malfunction
P1570	15-16	Antenna
P1571	15-15	Reference Code Incompatibility
P1572	15-14	Immobilizer Circuit Failure (Except Antenna Circuit)
P1574	15-12	Key Communication Failure
P1576	15-10	Electronic Gasoline Injection (EGI) Control Module EEPROM Error
P1577	15-9	Immobilizer Control Module EEPROM Error
P1578	15-13	Meter Failure
P1579		Remote Control Starter Abnormal
P1590	4-1	Neutral Position Switch Circuit High Input for AT
P1591	4-2	Neutral Position Switch Circuit Low Input for AT
P1592	4-3	Neutral Position Switch Circuit Malfunction for MT
P1593	9-7	Transmission Control Module (TCM) Communication Circuit Malfunction
P1594	9-8	AT Diagnosis Input Signal Circuit Malfunction
P1595	9-3	AT Diagnosis Input Signal Circuit Low Input
P1596	9-4	AT Diagnosis Input Signal Circuit High Input
P1597	11-5	Traction Control System (TCS) Signal Circuit Low Input
P1598	11-6	Traction Control System (TCS) Signal Circuit High Input
P1600		Improper CAN Communication
P1601		Transmission Control Unit (TCU) Communication Malfunction
P1602		Control Module Programming Error
P1607		Monitoring Circuit Abnormal
P1616		Starter Cut Relay System Circuit (Low)
P1698	6-6	Engine Torque Control Cut Signal Circuit Malfunction (Low Input)

Code	CE	Description
P1699	6-7	Engine Torque Control Cut Signal Circuit Malfunction (High Input)
P1700	8-3	Throttle Position Sensor Circuit Malfunction for AT
P1700		Throttle Position Sensor Circuit Malfunction
P1701	8-6	Cruise Control Set Signal Circuit Malfunction for AT
P1703	13-6	AT Low Clutch Timing Solenoid Valve Circuit Malfunction
P1706	8-11	AT Vehicle Speed Sensor Circuit Malfunction (Rear Wheel)
P1707	9-2	AT AWD Solenoid Valve Circuit Malfunction
P1708		Throttle Position Sensor Circuit Low Input
P1709		Throttle Position Sensor Circuit High Input
P1710		Torque Converter Turbine 2 Speed Signal Circuit Malfunction
P1711	13-3	Engine Torque Control Signal #1 Circuit Malfunction
P1712	13-4	Engine Torque Control Signal #2 Circuit Malfunction
P1714		Throttle Position Sensor Power Supply Circuit
P1716		Automatic Transmission Fluid (ATF) Temperature Sensor 2 Circuit Low
P1717		Automatic Transmission Fluid (ATF) Temperature Sensor 2 Circuit High
P1718		AT CAN Communication Circuit
P1719		ECU Communication Circuit
P1720		DCCD CAN System Circuit
P1721		DCCD Engine RPM Signal System Circuit
P1723		Automatic Transmission Fluid (ATF) Temperature Sensor 2 Circuit Range/Performance
P1759		Lateral G Sensor System Circuit
P1760		Lateral Acceleration Sensor Performance Problem
P1761		Lateral Acceleration Sensor Circuit Low
P1762		Lateral Acceleration Sensor Circuit High
P1764		Yaw Rate Sensor System Circuit
P1765		Yaw Rate & Side G Sensor Reference System Circuit
P1767		DCCD Steering Angle Sensor Circuit
P1769		Yaw Rate and Lateral G Sensor Error
P1798		Gear 1 Engine Breaks
P1799		Interlock
P1817		Sports Mode Switch Circuit (Manual Switch)
P1840		Transmission Fluid Pressure Sensor Switch A Circuit
P1841		Transmission Fluid Pressure Sensor Switch B Circuit
P1842		Transmission Fluid Pressure Sensor Switch C Circuit
P1843		Transmission Fluid Pressure Sensor Switch D Circuit
P1844		Transmission Fluid Pressure Sensor Switch E Circuit
P1870		Front Left ABS Sensor Signal
P1871		Front Right ABS Sensor Signal
P1872		Rear Left ABS Sensor Signal
P1873		Rear Right ABS Sensor Signal
P1875		Circuit of Center Differential
P2004		Tumble Generator Valve (TGV) System 1 (Valve Open)
P2005		Tumble Generator Valve (TGV) System 2 (Valve Open)
P2006		Tumble Generator Valve (TGV) System 1 (Valve Close)
P2007		Tumble Generator Valve (TGV) System 2 (Valve Close)
P2008		Tumble Generator Valve (TGV) Signal 1 Circuit Malfunction (Open)
P2009		Tumble Generator Valve (TGV) Signal 1 Circuit Malfunction (Short)
P2010		Swirl Control Valve Circuit (High)
P2011		Tumble Generator Valve (TGV) Signal 2 Circuit Malfunction (Open)
P2012		Tumble Generator Valve (TGV) Signal 2 Circuit Malfunction (Short)
P2016		Tumble Generator Valve (TGV) Position Sensor 1 Circuit Low
P2017		Tumble Generator Valve (TGV) Position Sensor 1 Circuit High
P2021		Tumble Generator Valve (TGV) Position Sensor 2 Circuit Low
P2022		Tumble Generator Valve (TGV) Position Sensor 2 Circuit High
P2032		Exhaust Temperature Sensor 2 (low)
P2033		Exhaust Temperature Sensor 2 (high)
P2088		OCV Solenoid Valve Signal A Circuit Open (Bank 1)
P2089		OCV Solenoid Valve Signal A Circuit Short (Bank 1)
P2090		OCV Solenoid Valve Signal B Circuit Open (Bank 1)
P2091		OCV Solenoid Valve Signal B Circuit Short (Bank 1)
P2092		OCV Solenoid Valve Signal A Circuit Open (Bank 2)
P2093		OCV Solenoid Valve Signal A Circuit Short (Bank 2)
P2094		OCV Solenoid Valve Signal B Circuit Open (Bank 2)
P2095		OCV Solenoid Valve Signal B Circuit Short (Bank 2)
P2096		Post Catalyst Fuel Trim System Too Lean (Bank 1)
P2097		Post Catalyst Fuel Trim System Too Rich (Bank 1)
P2098		Post Catalyst Fuel Trim System Too Lean (Bank 2)
P2099		Post Catalyst Fuel Trim System Too Rich (Bank 2)
P2100		Throttle Control Motor Circuit Open
P2101		Throttle Control Motor Circuit Range/Performance
P2102		Throttle Control Motor Circuit Low Input

Code	CE	Description
P2103		Throttle Control Motor Circuit High Input
P2109		Throttle Angle Sensor Closed Position Error
P2111		Throttle Valve Open Stick
P2122		Accelerator Position Sensor D Low Input
P2123		Accelerator Position Sensor D High Input
P2125		Accelerator Position Sensor E
P2127		Accelerator Position Sensor E Low Input
P2128		Accelerator Position Sensor E High Input
P2135		Throttle Position Sensor Circuit Range/Performance
P2138		Accelerator Position Sensor Circuit Range/Performance
P2146		Fuel Injector Power Supply A - Open Circuit
P2147		Injector Driver (Short-Circuit to Ground)
P2148		Injector Driver (Short-Circuit to Positive)
P2149		Fuel Injector Power Supply B - Open Circuit
P2227		Atmospheric Pressure Sensor Range/Performance
P2228		Atmospheric Pressure Sensor Circuit Malfunction (Low Input)
P2229		Atmospheric Pressure Sensor Circuit Malfunction (High Input)
P2413		Exhaust Gas Recirculation (EGR) Valve Sticking
P2419		Canister Purge Control (CPC) Solenoid Valve Circuit Low
P2420		Canister Purge Control (CPC) Solenoid Valve Circuit High
P2431		Secondary Air Pressure Sensor Property
P2432		Secondary Air Pressure Sensor (Low)
P2433		Secondary Air Pressure Sensor (High)
P2440		Secondary Air System Open Seized (Bank 1)
P2441		Secondary Air System Close Seized (Bank 1)
P2442		Secondary Air System Open Seized (Bank 2)
P2443		Secondary Air System Close Seized (Bank 2)
P2444		Secondary Air Pump ON Malfunction
P2503		Alternator Circuit Low
P2504		Alternator Circuit High
P2633		Sub Fuel Pump Relay (Low)
P2634		Sub Fuel Pump Relay (High)
P2635		Fuel Pump Suction Control Valve Sticks
P2707		Shift Solenoid F Malfunction
P2709		Shift Solenoid F Electrical