

SAE-Code	SAE-Code Description
C0001	TCS Control Channel 'A' Valve 1
C0002	TCS Control Channel 'A' Valve 2
C0003	TCS Control Channel 'B' Valve 1
C0004	TCS Control Channel 'B' Valve 2
C0010	Left Front Inlet Control
C0011	Left Front Outlet Control
C0012	Left Front Hydraulic Release Too Long
C0014	Right Front Inlet Control
C0015	Right Front Outlet Control
C0016	Right Front Hydraulic Release Too Long
C0018	Left Rear Inlet Control
C0019	Left Rear Outlet Control
C001A	Left Rear Hydraulic Release Too Long
C001C	Right Rear Inlet Control
C001D	Right Rear Outlet Control
C001E	Right Rear Hydraulic Release Too Long
C0020	ABS Pump Motor Control
C0021	Brake Booster Performance
C0022	Brake Booster Solenoid
C0023	Stop Lamp Control
C0024	Brake Pedal Feedback Pressure Solenoid Circuit
C0025	Brake Pedal Feedback Pressure Sensor Circuit
C0030	Left Front Tone Wheel
C0031	Left Front Wheel Speed Sensor
C0032	Left Front Wheel Speed Sensor Supply
C0033	Right Front Tone Wheel
C0034	Right Front Wheel Speed Sensor
C0035	Right Front Wheel Speed Sensor Supply
C0036	Left Rear Tone Wheel
C0037	Left Rear Wheel Speed Sensor
C0038	Left Rear Wheel Speed Sensor Supply
C0039	Right Rear Tone Wheel
C003A	Right Rear Wheel Speed Sensor
C003B	Right Rear Wheel Speed Sensor Supply
C003C	Rear Tone Wheel
C003D	Rear Wheel Speed Sensor
C003E	Rear Wheel Speed Sensor Supply
C0040	Brake Pedal Switch 'A'
C0041	Brake Pedal Switch 'B'
C0042	Brake Pedal Position Sensor 'Circuit A'
C0043	Brake Pedal Position Sensor 'Circuit B'
C0044	Brake Pressure Sensor 'A'
C0045	Brake Pressure Sensor 'B'
C0046	Brake Pressure Sensor 'A'/'B'
C0047	Brake Booster Pressure Sensor
C0048	Brake Booster Travel Sensor
C0049	Brake Fluid
C004A	Brake Lining Wear Sensor
C0051	Steering Wheel Position Sensor
C0052	Steering Wheel Position Sensor 'Signal A'
C0053	Steering Wheel Position Sensor 'Signal B'
C0054	Steering Wheel Position Sensor 'Signal C'

C0055	Steering Wheel Position Sensor 'Signal D'
C0061	Lateral Acceleration Sensor
C0062	Longitudinal Acceleration Sensor
C0063	Yaw Rate Sensor
C0064	Roll Rate Sensor
C0065	Vertical Acceleration Sensor
C0069	Yaw Rate/Longitude Sensors
C006A	Multi-axis Acceleration Sensor
C006B	Stability System Active Too Long
C006C	Stability System
C0071	2/4 Wheel Drive Status Input
C0072	Brake Temperature Too High
C0073	Delivered Driving Torque
C0074	Requested Driving Torque
C0075	Brake Pedal Position Performance
C0076	PWM for Traction Control
C0077	Low Tire Pressure
C0078	Tire Diameter
C0079	Variable Effort Steering
C0081	ABS Malfunction Indicator
C0082	Brake System Malfunction Indicator
C0083	Tire Pressure Monitor Malfunction Indicator
C0084	Traction Active Indicator
C0085	Traction Disable Indicator
C0086	Vehicle Dynamics Indicator
C0089	TCS Disable Switch
C008A	TCS Mode Control
C0500	Left Front Wheel Speed Sensor Circuit/Open
C0501	Left Front Wheel Speed Sensor Range/Performance
C0502	Left Front Wheel Speed Sensor Circuit Low
C0503	Left Front Wheel Speed Sensor Circuit High
C0504	Left Front Wheel Speed Sensor Intermittent/Erratic
C0505	Left Front Wheel Speed Sensor Correlation
C0506	Right Front Wheel Speed Sensor Circuit/Open
C0507	Right Front Wheel Speed Sensor Range/Performance
C0508	Right Front Wheel Speed Sensor Circuit Low
C0509	Right Front Wheel Speed Sensor Circuit High
C050A	Right Front Wheel Speed Sensor Intermittent/Erratic
C050B	Right Front Wheel Speed Sensor Correlation
C050C	Left Rear Wheel Speed Sensor Circuit/Open
C050D	Left Rear Wheel Speed Sensor Range/Performance
C050E	Left Rear Wheel Speed Sensor Circuit Low
C050F	Left Rear Wheel Speed Sensor Circuit High
C0510	Left Rear Wheel Speed Sensor Intermittent/Erratic
C0511	Left Rear Wheel Speed Sensor Correlation
C0512	Right Rear Wheel Speed Sensor Circuit/Open
C0513	Right Rear Wheel Speed Sensor Range/Performance
C0514	Right Rear Wheel Speed Sensor Circuit Low
C0515	Right Rear Wheel Speed Sensor Circuit High
C0516	Right Rear Wheel Speed Sensor Intermittent/Erratic
C0517	Right Rear Wheel Speed Sensor Correlation
C0518	Left Front Wheel Speed Sensor - Mechanical
C0519	Right Front Wheel Speed Sensor - Mechanical

C051A	Left Rear Wheel Speed Sensor - Mechanical
C051B	Right Rear Wheel Speed Sensor - Mechanical
C051C	Multi-axis Acceleration Sensor Module 'A' Range/Performance
C051D	Multi-axis Acceleration Sensor Module 'A' Missing Calibration
C051E	Multi-axis Acceleration Sensor Module 'A' Intermittent/Erratic
C051F	Multi-axis Acceleration Sensor Module 'A' Correlation
C0520	Multi-axis Acceleration Sensor Module 'A'
C0521	Multi-axis Acceleration Sensor Module 'B' Range/Performance
C0522	Multi-axis Acceleration Sensor Module 'B' Missing Calibration
C0523	Multi-axis Acceleration Sensor Module 'B' Intermittent/Erratic
C0524	Multi-axis Acceleration Sensor Module 'B' Correlation
C0525	Multi-axis Acceleration Sensor Module 'B'
C0526	Steering Angle Sensor Module
C0527	Steering Angle Sensor Module Mechanical
C0528	Steering Angle Sensor Module Range/Performance
C0529	Steering Angle Sensor Module Missing Calibration
C052A	Steering Angle Sensor Module Correlation
C052B	ABS Pump Motor Control Range/Performance
C052C	ABS Pump Motor Control Circuit/Open
C052D	ABS Pump Motor Control Circuit High
C052E	ABS Pump Motor Control Circuit Low
C052F	ABS Pump Motor Supply Voltage 'A' Circuit/Open
C0530	Motor Control 'A' Range/Performance
C0531	Motor Control 'A' Circuit/Open
C0532	Motor Control 'A' Circuit High
C0533	Motor Control 'A' Circuit Low
C0534	Motor Control 'A' Supply Voltage Circuit/Open
C0535	Motor Control 'B' Range/Performance
C0536	Motor Control 'B' Circuit/Open
C0537	Motor Control 'B' Circuit High
C0538	Motor Control 'B' Circuit Low
C0539	Motor Control 'B' Supply Voltage Circuit/Open
C053A	ABS Valves Missing Calibration
C053B	ABS Valves Supply Voltage Circuit/Open
C053C	Wheel Speed Sensor Generic Range/Performance
C053D	Brake Pressure Sensor 'A' Range/Performance
C053E	Brake Pressure Sensor 'A' Circuit Low
C053F	Brake Pressure Sensor 'A' Circuit High
C0540	Brake Pressure Sensor 'A' Circuit/Open
C0541	Brake Pressure Sensor 'B' Range/Performance
C0542	Brake Pressure Sensor 'B' Circuit Low
C0543	Brake Pressure Sensor 'B' Circuit High
C0544	Brake Pressure Sensor 'B' Circuit/Open
C0545	VIN Not Programmed or Incompatible - BSCM
C0546	VIN Not Programmed or Incompatible
C0547	Vacuum Sensor Supply Voltage Circuit/Open
C0548	Vacuum Sensor Supply Voltage Low
C0549	Vacuum Sensor 'A' Circuit/Open
C054A	Vacuum Sensor 'A' Range/Performance
C054B	Vacuum Sensor 'A' Circuit Low
C054C	Vacuum Sensor 'A' Circuit High
C054D	Vacuum Sensor 'B' Circuit/Open
C054E	Vacuum Sensor 'B' Range/Performance

C054F	Vacuum Sensor 'B' Circuit Low
C0550	Vacuum Sensor 'B' Circuit High
C0551	Longitudinal Acceleration Sensor Circuit/Open
C0552	Longitudinal Acceleration Sensor Range/Performance
C0553	Longitudinal Acceleration Sensor Circuit Low
C0554	Longitudinal Acceleration Sensor Circuit High
C0555	Left Front Wheel Speed Sensor Incorrect Component Installed
C0556	Right Front Wheel Speed Sensor Incorrect Component Installed
C0557	Left Rear Wheel Speed Sensor Incorrect Component Installed
C0558	Right Rear Wheel Speed Sensor Incorrect Component Installed
C0559	Power Steering Control Module Range/Performance Rear
C055A	ABS Pump Motor Supply Voltage 'A' High
C055B	ABS Pump Motor Supply Voltage 'A' Low
C055C	ABS Pump Motor Supply Circuit 'A' Range/Performance
C055D	Brake Hydraulic Circuit 'B' Leak
C055E	Brake Hydraulic Circuit 'A' Leak
C055F	BSCM/EBBC Hydraulic Unit Performance
C0560	Brake Pressure Sensor 'A' Missing Calibration
C0561	Vacuum Sensor 'A/B' Correlation
C0562	Brake Pedal Position Sensor Supply Voltage Circuit/Open
C0563	ABS Control Module Performance
C0564	ABS Control Module System Voltage Low
C0565	ABS Control Module System Voltage High
C0566	Brake Booster Solenoid Circuit/Open
C0567	Brake Booster Solenoid Circuit Low
C0568	Brake Booster Solenoid Circuit High
C0569	Brake Booster Solenoid Circuit Performance
C056A	Brake Booster Pressure Sensor Power Supply Circuit
C056B	Brake Pressure Sensor 'A' Intermittent/Erratic
C056C	Brake Pressure Sensor 'B' Intermittent/Erratic
C056D	Brake Pedal Position Sensor Supply Voltage Circuit Low
C056E	Brake Pedal Position Sensor Supply Voltage Circuit High
C056F	Brake Booster Travel Sensor Circuit Low
C0570	Brake Booster Travel Sensor Circuit High
C0571	Brake Pressure Sensor 'C' Circuit Low
C0572	Brake Pressure Sensor 'C' Circuit High
C0573	Brake Pressure Sensor 'C' Circuit/Open
C0574	Brake Pressure Sensor 'C' Circuit Range/Performance
C0575	Brake Pressure Sensor 'D' Circuit Low
C0576	Brake Pressure Sensor 'D' Circuit High
C0577	Brake Pressure Sensor 'D' Circuit/Open
C0578	Brake Pressure Sensor 'D' Circuit Range/Performance
C0579	Brake Booster Temperature Sensor 'B' Circuit Low
C057A	Brake Booster Temperature Sensor 'B' Circuit High
C057B	Brake Booster Temperature Sensor 'B' Circuit/Open
C057C	Brake Booster Temperature Sensor 'B' CircuitRange/Performance
C057D	Brake Booster Temperature Sensor Circuit 'B' Intermittent/Erratic
C057E	Brake Booster Temperature Sensor 'A/B' Correlation
C057F	Brake Booster Motor 'A' Phase U-V-W Circuit/Open
C0580	Brake Booster Motor 'A' Phase U-V-W Circuit Low
C0581	Brake Booster Motor 'A' Phase U-V-W Circuit High
C0582	Brake Booster Motor 'A' Phase U-V-W Circuit Range/Performance
C0583	Brake Booster Motor 'B' Phase U-V-W Circuit/Open

C0584	Brake Booster Motor 'B' Phase U-V-W Circuit Low
C0585	Brake Booster Motor 'B' Phase U-V-W Circuit High
C0586	Brake Booster Motor 'B' Phase U-V-W Circuit Range/Performance
C0587	Brake Booster Motor 'A' Position Sensor Circuit/Open
C0588	Brake Booster Motor 'A' Position Sensor Circuit Low
C0589	Brake Booster Motor 'A' Position Sensor Circuit High
C058A	Brake Booster Motor 'A' Position Sensor Circuit Range/Performance
C058B	Brake Booster Motor 'B' Position Sensor Circuit/Open
C058C	Brake Booster Motor 'B' Position Sensor Circuit Low
C058D	Brake Booster Motor 'B' Position Sensor Circuit High
C058E	Brake Booster Motor 'B' Position Sensor Circuit Range/Performance
C058F	Regeneration Torque Performance
C0590	Brake Booster Motor 'A' Phase U-V-W Current High
C0591	Brake Booster Motor 'A' Phase U-V-W Current Low
C0592	Brake Booster Motor 'B' Phase U-V-W Current High
C0593	Brake Booster Motor 'B' Phase U-V-W Current Low
C0594	Brake Booster Motor 'A' Performance
C0595	Brake Booster Internal Power Driver Range/Performance
C0596	Brake Booster Motor 'A' Current Sensor Circuit Range/Performance
C0597	Brake System Control Module 'A' Performance
C0598	Brake System Control Module 'B' Performance
C0599	Brake Booster Control Module Missing Calibration
C059A	Power Steering Control Module - Rear Missing Calibration
C1001	Brake Booster Pressure Range/Performance
C1002	Brake Booster Circuit Electrical
C1003	Brake Booster Vacuum Supply
C1010	Brake Booster Pressure Sensor 1 Circuit Range/Performance
C1011	Brake Booster Pressure Sensor 2 Circuit Range/Performance
C1012	Brake Booster Pressure Sensor 1 Circuit Electrical
C1013	Brake Booster Pressure Sensor 2 Circuit Electrical
C1014	Brake Booster Pressure Sensor Circuit Low
C1015	Brake Booster Pressure Sensor Circuit High
C1016	Brake Booster Pressure Sensor 1 and 2 Initialization Error
C1018	Brake Booster Pressure Sensor Test Pulse High
C1019	Brake Booster Pressure Sensor Test Pulse Low
C101A	Brake Pressure Sensor
C1020	Brake Booster Travel Sensor Circuit Range/Performance
C1021	Brake Booster Travel Sensor Circuit Electrical
C1022	Brake Booster Pressure Sensor EMC Monitoring
C1023	Brake Booster Pressure Sensor Pulse Test
C1024	Brake Booster Pressure Sensor Temperature Implausible
C1025	Brake Booster Pressure Sensor Plausibility
C1026	Brake Booster Pressure Sensor Circuit Shorted
C1027	Brake Booster Pressure Sensor Signal Implausible
C1028	Brake Booster Pressure Sensor Supply Voltage Circuit
C1029	Brake Booster Pressure Sensor Initialization Error
C1030	Brake System Vacuum Sensor Circuit A Electrical
C1031	Brake System Vacuum Sensor Circuit B Electrical
C1032	Brake System Vacuum Sensor Circuit A / B Correlation
C1033	Brake Fluid Level Too Low
C1035	Brake System Vacuum Too Low
C1036	Brake System Leak
C103F	Brake System Sensors Supply Voltage Circuit

C1040	Brake System Vacuum Pump Circuit Electrical
C1041	Brake System Vacuum Pump Control Circuit/Open
C1042	Brake System Vacuum Pump Control Circuit Low
C1043	Brake System Vacuum Pump Control Circuit High
C1044	Brake System Vacuum Pump Stuck
C1045	Brake System Vacuum Pump Over Temperature
C1046	Brake System Vacuum Pump Fuse Defective
C1047	Brake System Vacuum Pump Forced Shutdown
C1050	Brake System Simulator Pressure Sensor Electrical
C1051	Brake System Simulator Valve Electrical
C1052	Brake System Simulator
C1055	Front Axle Brake Circuit Range/Performance
C1056	Rear Axle Brake Circuit Range/Performance
C1060	Brake Pedal Position Sensor Circuit/Open
C1061	Brake Pedal Position Sensor Circuit Range/Performance
C1062	Brake Pedal Position Sensor Circuit Low
C1063	Brake Pedal Position Sensor Circuit High
C1064	Brake Pedal Position Sensor Circuit Range/Performance - Signal Too High
C1065	Brake Pedal Position Sensor Circuit Range/Performance - Signal Too Low
C1066	Brake Pedal Position Sensor Electrical or Sensor Defective
C1067	Brake Pedal Position Sensor Voltage High
C1068	Brake Pedal Position Sensor Voltage Low
C1069	Brake Pedal Position Sensor Initialization Error
C106A	Brake Pedal Position Sensor Gradient Too High
C106B	Brake Pedal Position Sensor Gradient Too Low
C106C	Brake Pedal Position Sensor 'B' Circuit Range/Performance
C106D	Brake Pedal Position Sensor 'A'/'B' Correlation
C1070	Brake System Internal Code (Service/End-of-Line Test)
C1071	Brake System Regenerative Braking, Brake Torques Range/Performance
C1072	Brake System Monitoring DSC
C1073	Brake System Vehicle Identification Number
C1079	DSC Control Module Wrong Variant
C107F	Brake System Control Module Internal Wheel Speed Signal Processing
C1080	Brake System Control Module Voltage Low
C1081	Brake System Control Module Voltage High
C1082	Internal Brake System Control Module Hardware Error
C1083	Brake System Control Module Wrong Coding
C1084	DSC Control Module Voltage Low
C1085	Internal DSC Control Module FlexRay Controller Error
C1086	Internal DSC Control Module Power Control Unit (PCU) Error
C1087	Internal DSC Control Module Valve Driver Circuit Error
C1088	Internal DSC Control Module FlexRay Failsafe Circuit Error
C1089	Internal DSC Control Module FlexRay Controller Memory Access Error
C108A	Internal DSC Control Module Valve Coil 'A' Circuit Electrical
C108B	Internal DSC Control Module Valve Coil 'B' Circuit Electrical
C108C	Internal DSC Control Module Valve Coil 'C' Circuit Electrical
C108D	Internal DSC Control Module Valve Coil 'D' Circuit Electrical
C108E	Internal DSC Control Module Valve Coil 'E' Circuit Electrical
C108F	Internal DSC Control Module Valve Coil 'F' Circuit Electrical
C1090	Internal DSC Control Module Valve Coil 'G' Circuit Electrical
C1091	Internal DSC Control Module Valve Coil 'H' Circuit Electrical
C1092	Internal DSC Control Module Valve Coil 'I' Circuit Electrical
C1093	Internal DSC Control Module Valve Coil 'J' Circuit Electrical

C1094	Internal DSC Control Module Valve Coil 'K' Circuit Electrical
C1095	Internal DSC Control Module Valve Coil 'L' Circuit Electrical
C1096	Internal DSC Control Module Hydraulic Pump Blocked
C1097	Internal DSC Control Module Hydraulic Pump Circuit Electrical
C1098	Brake System Control Module Random Access Memory (RAM) Error
C1099	Brake System Control Module Read Only Memory (ROM) Error
C109A	Brake System Control Module Watchdog Error
C109B	Brake System Control Module SPI-Bus Communication Error
C109C	Brake System Control Module Control Time Too Long
C109D	Brake System Control Module ABS Control Time Too Long
C109E	Brake System Control Module Valve Error
C109F	Brake System Control Module Hydraulic Pump
C10A0	Internal Control Module Coding Process EEPROM Error
C10A1	Brake Pedal Position Sensor 'B' Circuit Low
C10A2	Brake Pedal Position Sensor 'B' Circuit High
C10A3	Brake Pedal Position Sensor 'B' Supply Voltage Circuit Low
C10A4	Brake Pedal Position Sensor 'B' Supply Voltage Circuit High
C10A5	Rear Axle Brake Circuit Pressure Too Low
C10A6	Rear Axle Brake Circuit Pressure Too High
C10A7	Brake Pedal Position Sensor Signal Implausible
C10A8	Brake Pedal Position Sensor 'A'/'B' Swapped
C10A9	Brake Pedal Position/Brake Circuit Pressure Correlation
C10AA	Brake System Control Module 14V Power Supply Circuit Low
C10AB	Brake System Control Module Power Supply Circuit Low
C10AC	Brake System Control Module Valve Power Supply Circuit High
C10AD	Brake System Control Module Run Time Error
C10AE	System Voltage Low
C10AF	System Voltage High
C10B0	Brake System Control Module Valve Calibration Error
C10B1	Brake System Control Module Fixable Valve Calibration Error
C10B2	Brake System Control Module Processor
C10B3	Brake System Control Module EEPROM Error
C10B4	Internal DSC Control Module Brake Pressure Sensor Power Supply Voltage Out of Range
C10B5	Brake Pedal Position Sensor Supply Voltage Circuit Low
C10B6	Brake Pedal Position Sensor Supply Voltage Circuit High
C10B7	Brake Pedal Position Sensor Pedal Travel Too Low
C10B8	Brake Pedal Position Sensor Pedal Travel Too High
C10B9	Brake Circuit 'A' Leak
C10BA	Brake Circuit 'B' Leak
C10BB	Brake Pedal Position Sensor 'A' Voltage Out of Range Low
C10BC	Brake Pedal Position Sensor 'A' Voltage Out of Range High
C10BD	Brake Pedal Position Sensor 'B' Voltage Out of Range Low
C10BE	Brake Pedal Position Sensor 'B' Voltage Out of Range High
C10BF	Brake System Control Module Valve Power Supply Circuit Low
C10C0	Brake System Control Module Configuration Error
C1100	FlexRay_High Circuit Low
C1101	FlexRay_High Circuit High
C1102	FlexRay_Low Circuit Low
C1103	FlexRay_Low Circuit High
C1104	FlexRay_High / FlexRay_Low Circuit Shorted
C1105	FlexRay_High / FlexRay_Low Circuit/Open
C1106	FlexRay Transceiver Circuit Electrical
C1110	Vehicle Dynamics Control Module Processor

C1111	Vehicle Dynamics Control Module Watchdog Error
C1113	Vehicle Dynamics Control Module A/D Processing Performance
C1114	Vehicle Dynamics Control Module Wrong Coding
C1115	VIN Not Programmed or Incompatible - Vehicle Dynamics Control Module
C1116	Vehicle Dynamics Control Modul FlexRay Transceiver Shutdown Path Error
C1117	Vehicle Dynamics Control Module Power Supply 'A' Circuit Low
C1118	Vehicle Dynamics Control Module Power Supply 'A' Circuit High
C1120	Power Steering Control Module Random Access Memory (RAM) Error
C1121	Power Steering Control Module EEPROM Error
C1122	Power Steering Control Module Watchdog Error
C1123	Power Steering Control Module Processor
C1124	Power Steering Control Module Temperature Sensors
C1125	Power Steering Control Module Hardware Error
C1126	Power Steering Control Module Power Supply Circuit
C1127	Vehicle Dynamics Control Module Hardware Error
C1128	Power Steering Control Module Software Error
C1129	Power Steering Control Module Read Only Memory (ROM) Error
C112A	NOT DEFINED
C112B	NOT DEFINED
C112C	NOT DEFINED
C112D	NOT DEFINED
C112E	NOT DEFINED
C112F	NOT DEFINED
C1130	NOT DEFINED
C1131	NOT DEFINED
C1132	NOT DEFINED
C1133	NOT DEFINED
C1150	Rear Axle Slip Angle Control Random Access Memory (RAM) Error
C1151	Rear Axle Slip Angle Control Read Only Memory (ROM) Error
C1152	Rear Axle Slip Angle Control EEPROM Error
C1153	Rear Axle Slip Angle Control Watchdog Error
C1154	Rear Axle Slip Angle Control Processor
C1155	Rear Axle Slip Angle Control Performance
C1156	NOT DEFINED
C1157	NOT DEFINED
C1158	NOT DEFINED
C1159	NOT DEFINED
C115A	NOT DEFINED
C115B	NOT DEFINED
C115C	NOT DEFINED
C11A0	Multi-axis Acceleration Sensor Module Generic
C11A1	Multi-axis Acceleration Sensor Supply Voltage Circuit
C11A2	Multi-axis Acceleration Sensor Module 'C'
C11A3	Multi-axis Acceleration Sensor Module 'C' Yaw Rate Implausible
C11A4	Multi-axis Acceleration Sensor Module 'C' Range/Performance
C11A5	Multi-axis Acceleration Sensor Module 'B' Lateral Acceleration Implausible
C11A6	Multi-axis Acceleration Sensor Module 'A' Longitudinal Acceleration Implausible
C11A7	Steering Angle Sensor Rack Stroke Out of Range
C11B0	Restraints Control Module Watchdog Error
C11B1	Restraints Control Module Hardware Error
C11B2	Restraints Control Module Wrong Coding
C11B3	Restraints Control Module Random Access Memory (RAM) Error
C1200	Wheel Speed Sensor Front/Left Circuit/Open

C1201	Wheel Speed Sensor Front/Left Circuit Low
C1202	Wheel Speed Sensor Front/Left Circuit High
C1203	Wheel Speed Sensor Front/Right Circuit/Open
C1204	Wheel Speed Sensor Front/Right Circuit Low
C1205	Wheel Speed Sensor Front/Right Circuit High
C1206	Wheel Speed Sensor Rear/Left Circuit/Open
C1207	Wheel Speed Sensor Rear/Left Circuit Low
C1208	Wheel Speed Sensor Rear/Left Circuit High
C1209	Wheel Speed Sensor Rear/Right Circuit/Open
C120A	Wheel Speed Sensor Rear/Right Circuit Low
C120B	Wheel Speed Sensor Rear/Right Circuit High
C120C	Left Front Wheel Speed Sensor Drive Off Recognition
C120D	Right Front Wheel Speed Sensor Drive Off Recognition
C120E	Left Rear Wheel Speed Sensor Drive Off Recognition
C120F	Right Rear Wheel Speed Sensor Drive Off Recognition
C1210	Left Front Wheel Speed Sensor EMC Monitoring
C1211	Right Front Wheel Speed Sensor EMC Monitoring
C1212	Left Rear Wheel Speed Sensor EMC Monitoring
C1213	Right Rear Wheel Speed Sensor EMC Monitoring
C1214	Left Front Wheel Speed Sensor Type Implausible
C1215	Right Front Wheel Speed Sensor Type Implausible
C1216	Left Rear Wheel Speed Sensor Type Implausible
C1217	Right Rear Wheel Speed Sensor Type Implausible
C1218	Left Front Wheel Speed Sensor Supply Voltage Circuit Low
C1219	Right Front Wheel Speed Sensor Supply Voltage Circuit Low
C121A	Left Rear Wheel Speed Sensor Supply Voltage Circuit Low
C121B	Right Rear Wheel Speed Sensor Supply Voltage Circuit Low
C121C	Left Front Wheel Speed Sensor No Signal
C121D	Right Front Wheel Speed Sensor No Signal
C121E	Left Rear Wheel Speed Sensor No Signal
C121F	Right Rear Wheel Speed Sensor No Signal
C1220	Left Front Wheel Speed Sensor Overspeed
C1221	Right Front Wheel Speed Sensor Overspeed
C1222	Left Rear Wheel Speed Sensor Overspeed
C1223	Right Rear Wheel Speed Sensor Overspeed
C1224	Left Front Wheel Speed Sensor Incorrect Assembly
C1225	Right Front Wheel Speed Sensor Incorrect Assembly
C1226	Left Rear Wheel Speed Sensor Incorrect Assembly
C1227	Right Rear Wheel Speed Sensor Incorrect Assembly
C1228	Wheel Speed Sensor Generic Signal Implausible
C1229	Left Front Wheel Speed Sensor Circuit Electrical
C122A	Right Front Wheel Speed Sensor Circuit Electrical
C122B	Left Rear Wheel Speed Sensor Circuit Electrical
C122C	Right Rear Wheel Speed Sensor Circuit Electrical
C122D	Left Front Wheel Speed Sensor
C122E	Right Front Wheel Speed Sensor
C122F	Wheel Speed Sensor Generic Supply Voltage Circuit High
C1230	Left Front Wheel Speed Sensor Direction of Rotation Implausible
C1231	Right Front Wheel Speed Sensor Direction of Rotation Implausible
C1232	Left Rear Wheel Speed Sensor Direction of Rotation Implausible
C1233	Right Rear Wheel Speed Sensor Direction of Rotation Implausible
C1234	Wheel Speed Sensor Generic Direction of Rotation Implausible
C1235	Left Front Wheel Speed Sensor Signal Implausible

C1236	Right Front Wheel Speed Sensor Signal Implausible
C1237	Left Rear Wheel Speed Sensor Signal Implausible
C1238	Right Rear Wheel Speed Sensor Signal Implausible
C1239	Left Rear Wheel Speed Sensor
C123A	Right Rear Wheel Speed Sensor
C123B	Left Front Wheel Speed Sensor - Signal Too High
C123C	Right Front Wheel Speed Sensor - Signal Too High
C123D	Left Rear Wheel Speed Sensor - Signal Too High
C123E	Right Rear Wheel Speed Sensor - Signal Too High
C123F	Left Front Wheel Speed Sensor Phase Length Implausible
C1240	Right Front Wheel Speed Sensor Phase Length Implausible
C1241	Left Rear Wheel Speed Sensor Phase Length Implausible
C1242	Right Rear Wheel Speed Sensor Phase Length Implausible
C1243	Wheel Speed Sensor Supply
C12A0	Transfer Case Control Module EEPROM Error
C12A1	Transfer Case Control Module Run Time Error
C12A2	Transfer Case Control Module Watchdog Error
C12A3	Transfer Case Control Module Wrong Coding
C12A4	VIN Not Programmed or Incompatible - Transfer Case Control Module
C12A5	Transfer Case Control Module Classification
C12A6	Transfer Case Control Module Calibration
C12A7	Transfer Case Control Module Coding Error
C12A8	Transfer Case Control Module Power Supply Circuit 'A' /Open
C12A9	Transfer Case Control Module Power Supply Circuit 'B' /Open
C12AA	Transfer Case Control Module Over Current
C12AB	Transfer Case Control Module Over Temperature
C12AC	Transfer Case Control Module Temperature Sensor Circuit Electrical
C12AD	Transfer Case Control Module Processor
C12AE	Transfer Case Control Module Position Sensor
C12AF	Transfer Case Control Module Performance
C12B0	Transfer Case Control Module Actuator Output Stage
C12B1	Transfer Case Actuator Circuit Electrical
C12B3	Transfer Case Actuator Control Circuit Compensation Value
C12B4	Transfer Case Actuator - Mechanical
C12B5	Transfer Case Clutch Wear
C12B6	Transfer Case/VIN Incompatible
C12B7	Transfer Case Clutch
P0001	Fuel Volume Regulator 'A' Control Circuit/Open
P0002	Fuel Volume Regulator 'A' Control Circuit Range/Performance
P0003	Fuel Volume Regulator 'A' Control Circuit Low
P0004	Fuel Volume Regulator 'A' Control Circuit High
P0005	Fuel Shutoff Valve 'A' Control Circuit/Open
P0006	Fuel Shutoff Valve 'A' Control Circuit Low
P0007	Fuel Shutoff Valve 'A' Control Circuit High
P0008	Engine Position System Performance (Bank 1)
P0009	Engine Position System Performance (Bank 2)
P000A	'A' Camshaft Position Slow Response (Bank 1)
P000B	'B' Camshaft Position Slow Response (Bank 1)
P000C	'A' Camshaft Position Slow Response (Bank 2)
P000D	'B' Camshaft Position Slow Response (Bank 2)
P000E	Fuel Volume Regulator Control Exceeded Learning Limit
P000F	Fuel System Over Pressure Relief Valve Activated
P0010	'A' Camshaft Position Actuator Control Circuit/Open (Bank 1)

P0011	'A' Camshaft Position - Timing Over-Advanced or System Performance (Bank 1)
P0012	'A' Camshaft Position - Timing Over-Retarded (Bank 1)
P0013	'B' Camshaft Position Actuator Control Circuit/Open (Bank 1)
P0014	'B' Camshaft Position - Timing Over-Advanced or System Performance (Bank 1)
P0015	'B' Camshaft Position - Timing Over-Retarded (Bank 1)
P0016	Crankshaft Position - Camshaft Position Correlation (Bank 1 Sensor A)
P0017	Crankshaft Position - Camshaft Position Correlation (Bank 1 Sensor B)
P0018	Crankshaft Position - Camshaft Position Correlation (Bank 2 Sensor A)
P0019	Crankshaft Position - Camshaft Position Correlation (Bank 2 Sensor B)
P001A	'A' Camshaft Profile Control Circuit/Open (Bank 1)
P001B	'A' Camshaft Profile Control Circuit Low (Bank 1)
P001C	'A' Camshaft Profile Control Circuit High (Bank 1)
P001D	'A' Camshaft Profile Control Circuit/Open (Bank 2)
P001E	'A' Camshaft Profile Control Circuit Low (Bank 2)
P001F	'A' Camshaft Profile Control Circuit High (Bank 2)
P0020	'A' Camshaft Position Actuator Control Circuit/Open (Bank 2)
P0021	'A' Camshaft Position - Timing Over-Advanced or System Performance (Bank 2)
P0022	'A' Camshaft Position - Timing Over-Retarded (Bank 2)
P0023	'B' Camshaft Position Actuator Control Circuit/Open (Bank 2)
P0024	'B' Camshaft Position - Timing Over-Advanced or System Performance (Bank 2)
P0025	'B' Camshaft Position - Timing Over-Retarded (Bank 2)
P0026	Intake Valve Control Solenoid Circuit Range/Performance (Bank 1)
P0027	Exhaust Valve Control Solenoid Circuit Range/Performance (Bank 1)
P0028	Intake Valve Control Solenoid Circuit Range/Performance (Bank 2)
P0029	Exhaust Valve Control Solenoid Circuit Range/Performance (Bank 2)
P002A	'B' Camshaft Profile Control Circuit/Open (Bank 1)
P002B	'B' Camshaft Profile Control Circuit Low (Bank 1)
P002C	'B' Camshaft Profile Control Circuit High (Bank 1)
P002D	'B' Camshaft Profile Control Circuit/Open (Bank 2)
P002E	'B' Camshaft Profile Control Circuit Low (Bank 2)
P002F	'B' Camshaft Profile Control Circuit High (Bank 2)
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)
P0033	Turbocharger/Supercharger Bypass Valve 'A' Control Circuit
P0034	Turbocharger/Supercharger Bypass Valve 'A' Control Circuit Low
P0035	Turbocharger/Supercharger Bypass Valve 'A' Control Circuit High
P0036	HO2S Heater Control Circuit (Bank 1 Sensor 2)
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)
P0039	Turbocharger/Supercharger Bypass Valve 'A' Control Circuit Range/Performance
P003A	Turbocharger/Supercharger Boost Control 'A' Position Exceeded Learning Limit
P003B	Turbocharger/Supercharger Boost Control 'B' Position Exceeded Learning Limit
P003C	'A' Camshaft Profile Control Performance/Stuck Off (Bank 1)
P003D	'A' Camshaft Profile Control Stuck On (Bank 1)
P003E	'A' Camshaft Profile Control Performance/Stuck Off (Bank 2)
P003F	'A' Camshaft Profile Control Stuck On (Bank 2)
P0040	O2 Sensor Signals Swapped Bank 1 Sensor 1 / Bank 2 Sensor 1
P0041	O2 Sensor Signals Swapped Bank 1 Sensor 2 / Bank 2 Sensor 2
P0042	HO2S Heater Control Circuit (Bank 1 Sensor 3)
P0043	HO2S Heater Control Circuit Low (Bank 1 Sensor 3)
P0044	HO2S Heater Control Circuit High (Bank 1 Sensor 3)
P0045	Turbocharger/Supercharger Boost Control 'A' Circuit/Open

P0046	Turbocharger/Supercharger Boost Control 'A' Circuit Range/Performance
P0047	Turbocharger/Supercharger Boost Control 'A' Circuit Low
P0048	Turbocharger/Supercharger Boost Control 'A' Circuit High
P0049	Turbocharger/Supercharger 'A' Turbine Overspeed
P004A	Turbocharger/Supercharger Boost Control 'B' Circuit/Open
P004B	Turbocharger/Supercharger Boost Control 'B' Circuit Range/Performance
P004C	Turbocharger/Supercharger Boost Control 'B' Circuit Low
P004D	Turbocharger/Supercharger Boost Control 'B' Circuit High
P004E	Turbocharger/Supercharger Boost Control 'A' Circuit Intermittent/Erratic
P004F	Turbocharger/Supercharger Boost Control 'B' Circuit Intermittent/Erratic
P0050	HO2S Heater Control Circuit (Bank 2 Sensor 1)
P0051	HO2S Heater Control Circuit Low (Bank 2 Sensor 1)
P0052	HO2S Heater Control Circuit High (Bank 2 Sensor 1)
P0053	HO2S Heater Resistance (Bank 1 Sensor 1)
P0054	HO2S Heater Resistance (Bank 1 Sensor 2)
P0055	HO2S Heater Resistance (Bank 1 Sensor 3)
P0056	HO2S Heater Control Circuit (Bank 2 Sensor 2)
P0057	HO2S Heater Control Circuit Low (Bank 2 Sensor 2)
P0058	HO2S Heater Control Circuit High (Bank 2 Sensor 2)
P0059	HO2S Heater Resistance (Bank 2 Sensor 1)
P005A	'B' Camshaft Profile Control Performance/Stuck Off (Bank 1)
P005B	'B' Camshaft Profile Control Stuck On (Bank 1)
P005C	'B' Camshaft Profile Control Performance/Stuck Off (Bank 2)
P005D	'B' Camshaft Profile Control Stuck On (Bank 2)
P005E	Turbocharger/Supercharger Boost Control 'B' Supply Voltage Circuit Low
P005F	Turbocharger/Supercharger Boost Control 'B' Supply Voltage Circuit High
P0060	HO2S Heater Resistance (Bank 2 Sensor 2)
P0061	HO2S Heater Resistance (Bank 2 Sensor 3)
P0062	HO2S Heater Control Circuit (Bank 2 Sensor 3)
P0063	HO2S Heater Control Circuit Low (Bank 2 Sensor 3)
P0064	HO2S Heater Control Circuit High (Bank 2 Sensor 3)
P0065	Air Assisted Injector Control Range/Performance
P0066	Air Assisted Injector Control Circuit or Circuit Low
P0067	Air Assisted Injector Control Circuit High
P0068	MAP/MAF - Throttle Position Correlation
P0069	Manifold Absolute Pressure - Barometric Pressure Correlation
P006A	MAP - Mass or Volume Air Flow Correlation (Bank 1)
P006B	MAP - Exhaust Pressure Correlation
P006C	MAP - Turbocharger/Supercharger Inlet Pressure Correlation
P006D	Barometric Pressure - Turbocharger/Supercharger Inlet Pressure Correlation Bank 1
P006E	Turbocharger/Supercharger Boost Control 'A' Supply Voltage Circuit Low
P006F	Turbocharger/Supercharger Boost Control 'A' Supply Voltage Circuit High
P0070	Ambient Air Temperature Sensor Circuit 'A'
P0071	Ambient Air Temperature Sensor Circuit 'A' Range/Performance
P0072	Ambient Air Temperature Sensor Circuit 'A' Low
P0073	Ambient Air Temperature Sensor Circuit 'A' High
P0074	Ambient Air Temperature Sensor Circuit 'A' Intermittent/Erratic
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)
P007A	Charge Air Cooler Temperature Sensor Circuit (Bank 1)

P007B	Charge Air Cooler Temperature Sensor Circuit Range/Performance (Bank 1)
P007C	Charge Air Cooler Temperature Sensor Circuit Low (Bank 1)
P007D	Charge Air Cooler Temperature Sensor Circuit High (Bank 1)
P007E	Charge Air Cooler Temperature Sensor Circuit Intermittent/Erratic (Bank 1)
P007F	Charge Air Cooler Temperature Sensor Bank 1/Bank 2 Correlation
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 (Bank 1)
P0088	Fuel Rail/System Pressure - Too High (Bank 1)
P0089	Fuel Pressure Regulator 1 Performance
P008A	Low Pressure Fuel System Pressure - Too Low
P008B	Low Pressure Fuel System Pressure - Too High
P008C	Fuel Cooler Pump Control Circuit/Open
P008D	Fuel Cooler Pump Control Circuit Low
P008E	Fuel Cooler Pump Control Circuit High
P008F	Engine Coolant Temperature / Fuel Temperature Correlation
P0090	Fuel Pressure Regulator 1 Control Circuit/Open
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 (Bank 1)
P0096	Intake Air Temperature Sensor 2 Circuit Range/Performance (Bank 1)
P0097	Intake Air Temperature Sensor 2 Circuit Low (Bank 1)
P0098	Intake Air Temperature Sensor 2 Circuit High (Bank 1)
P0099	Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic (Bank 1)
P009A	Intake Air Temperature / Ambient Air Temperature Correlation
P009B	Fuel Pressure Relief Control Circuit/Open
P009C	Fuel Pressure Relief Control Circuit Low
P009D	Fuel Pressure Relief Control Circuit High
P009E	Fuel Pressure Relief Control Performance/Stuck Off
P009F	Fuel Pressure Relief Control Stuck On
P00A0	Charge Air Cooler Temperature Sensor Circuit (Bank 2)
P00A1	Charge Air Cooler Temperature Sensor Circuit Range/Performance (Bank 2)
P00A2	Charge Air Cooler Temperature Sensor Circuit Low (Bank 2)
P00A3	Charge Air Cooler Temperature Sensor Circuit High (Bank 2)
P00A4	Charge Air Cooler Temperature Sensor Circuit Intermittent/Erratic (Bank 2)
P00A5	Intake Air Temperature Sensor 2 Circuit (Bank 2)
P00A6	Intake Air Temperature Sensor 2 Circuit Range/Performance (Bank 2)
P00A7	Intake Air Temperature Sensor 2 Circuit Low (Bank 2)
P00A8	Intake Air Temperature Sensor 2 Circuit High (Bank 2)
P00A9	Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic (Bank 2)
P00AA	Intake Air Temperature Sensor 1 Circuit (Bank 2)
P00AB	Intake Air Temperature Sensor 1 Circuit Range/Performance (Bank 2)
P00AC	Intake Air Temperature Sensor 1 Circuit Low (Bank 2)
P00AD	Intake Air Temperature Sensor 1 Circuit High (Bank 2)
P00AE	Intake Air Temperature Sensor 1 Circuit Intermittent (Bank 2)
P00AF	Turbocharger/Supercharger Boost Control 'A' Module Performance

P00B0	Turbocharger/Supercharger Boost Control 'B' Module Performance
P00B1	Radiator Coolant Temperature Sensor Circuit
P00B2	Radiator Coolant Temperature Sensor Circuit Range/Performance
P00B3	Radiator Coolant Temperature Sensor Circuit Low
P00B4	Radiator Coolant Temperature Sensor Circuit High
P00B5	Radiator Coolant Temperature Sensor Circuit Intermittent/Erratic
P00B6	Radiator Coolant Temperature / Engine Coolant Temperature Correlation
P00B7	Engine Coolant Flow Low/Performance
P00B8	MAP - Mass or Volume Air Flow Correlation (Bank 2)
P00B9	Low Pressure Fuel System Pressure - Too Low, Low Ambient Temperature
P00BA	Low Fuel Pressure - Forced Limited Power
P00BB	Fuel Injector Insufficient Flow - Forced Limited Power
P00BC	Mass or Volume Air Flow 'A' Circuit Range/Performance - Air Flow Too Low
P00BD	Mass or Volume Air Flow 'A' Circuit Range/Performance - Air Flow Too High
P00BE	Mass or Volume Air Flow 'B' Circuit Range/Performance - Air Flow Too Low
P00BF	Mass or Volume Air Flow 'B' Circuit Range/Performance - Air Flow Too High
P00C0	Turbocharger/Supercharger Bypass Valve 'B' Control Circuit
P00C1	Turbocharger/Supercharger Bypass Valve 'B' Control Circuit Low
P00C2	Turbocharger/Supercharger Bypass Valve 'B' Control Circuit High
P00C3	Turbocharger/Supercharger Bypass Valve 'B' Control Circuit Range/Performance
P00C4	Turbocharger/Supercharger Bypass Valve 'B' - Mechanical
P00C5	Turbocharger/Supercharger 'B' Turbine Overspeed
P00C6	Fuel Rail Pressure Too Low - Engine Cranking (Bank 1)
P00C7	Intake Air Pressure Measurement System - Multiple Sensor Correlation (Bank 1)
P00C8	Fuel Pressure Regulator Solenoid Supply Voltage Control Circuit/Open
P00C9	Fuel Pressure Regulator Solenoid Supply Voltage Control Circuit Low
P00CA	Fuel Pressure Regulator Solenoid Supply Voltage Control Circuit High
P00CB	Fuel Volume Regulator Solenoid Supply Voltage Control Circuit/Open
P00CC	Fuel Volume Regulator Solenoid Supply Voltage Control Circuit Low
P00CD	Fuel Volume Regulator Solenoid Supply Voltage Control Circuit High
P00CE	Intake Air Temperature Measurement System - Multiple Sensor Correlation (Bank 1)
P00CF	Barometric Pressure - Turbocharger/Supercharger Boost Sensor 'A' Correlation
P00D0	Barometric Pressure - Turbocharger/Supercharger Boost Sensor 'B' Correlation
P00D1	HO2S Heater Control Circuit Range/Performance, Bank 1 Sensor 1
P00D2	HO2S Heater Control Circuit Range/Performance, Bank 1 Sensor 2
P00D3	HO2S Heater Control Circuit Range/Performance, Bank 2 Sensor 1
P00D4	HO2S Heater Control Circuit Range/Performance, Bank 2 Sensor 2
P00D5	HO2S Sensor Correlation Bank 1 Sensor 1/Bank 1 Sensor 2
P00D6	HO2S Sensor Correlation Bank 2 Sensor 1/Bank 2 Sensor 2
P00D7	Turbocharger/Supercharger Bypass Valve 'A' Temperature Too High
P00D8	Turbocharger/Supercharger Bypass Valve 'B' Temperature Too High
P00D9	Ambient Air Temperature Sensor Circuit 'B'
P00DA	Ambient Air Temperature Sensor Circuit 'B' Range/Performance
P00DB	Ambient Air Temperature Sensor Circuit 'B' Low
P00DC	Ambient Air Temperature Sensor Circuit 'B' High
P00DD	Ambient Air Temperature Sensor Circuit 'B' Intermittent/Erratic
P00DE	Charge Air Cooler Coolant Temperature Sensor 'A' Circuit
P00DF	Charge Air Cooler Coolant Temperature Sensor 'A' Circuit Range/Performance
P00E0	Charge Air Cooler Coolant Temperature Sensor 'A' Circuit Low
P00E1	Charge Air Cooler Coolant Temperature Sensor 'A' Circuit High
P00E2	Charge Air Cooler Coolant Temperature Sensor 'A' Intermittent/Erratic
P00E3	Exhaust Heat Exchanger Exhaust Bypass Valve Stuck Open
P00E4	Exhaust Heat Exchanger Exhaust Bypass Valve Stuck Closed

P00E5	Intake Air Temperature/Fuel Temperature Correlation
P00E6	Intake Air Pressure Measurement System - Multiple Sensor Correlation Bank 2
P00E7	Intake Air Temperature Measurement System - Multiple Sensor Correlation Bank 2
P00E8	Intake Air Temperature Sensor 3 Circuit (Bank 1)
P00E9	Intake Air Temperature Sensor 3 Circuit Range/Performance (Bank 1)
P00EA	Intake Air Temperature Sensor 3 Circuit Low (Bank 1)
P00EB	Intake Air Temperature Sensor 3 Circuit High (Bank 1)
P00EC	Intake Air Temperature Sensor 3 Circuit Intermittent/Erratic (Bank 1)
P00ED	Intake Air Temperature Sensor 3 Circuit (Bank 2)
P00EE	Intake Air Temperature Sensor 3 Circuit Range/Performance (Bank 2)
P00EF	Intake Air Temperature Sensor 3 Circuit Low (Bank 2)
P00F0	Intake Air Temperature Sensor 3 Circuit High (Bank 2)
P00F1	Intake Air Temperature Sensor 3 Circuit Intermittent/Erratic (Bank 2)
P00F2	Humidity Sensor Circuit/Open
P00F3	Humidity Sensor Circuit Range/Performance
P00F4	Humidity Sensor Circuit Low
P00F5	Humidity Sensor Circuit High
P00F6	Humidity Sensor Circuit Intermittent/Erratic
P00F8	Turbocharger Outlet Pressure Sensor 'A' Circuit
P00F9	Turbocharger Outlet Pressure Sensor 'A' Range/Performance
P00FA	Turbocharger Outlet Pressure Sensor 'A' Circuit Low
P00FB	Turbocharger Outlet Pressure Sensor 'A' Circuit High
P00FC	Turbocharger Outlet Pressure Sensor 'A' Intermittent/Erratic
P0100	Mass or Volume Air Flow Sensor 'A' Circuit
P0101	Mass or Volume Air Flow Sensor 'A' Circuit Range/Performance
P0102	Mass or Volume Air Flow Sensor 'A' Circuit Low
P0103	Mass or Volume Air Flow Sensor 'A' Circuit High
P0104	Mass or Volume Air Flow Sensor 'A' Circuit Intermittent
P0105	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit
P0106	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Range/Performance
P0107	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Low
P0108	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit High
P0109	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Intermittent
P010A	Mass or Volume Air Flow Sensor 'B' Circuit
P010B	Mass or Volume Air Flow Sensor 'B' Circuit Range/Performance
P010C	Mass or Volume Air Flow Sensor 'B' Circuit Low
P010D	Mass or Volume Air Flow Sensor 'B' Circuit High
P010E	Mass or Volume Air Flow Sensor 'B' Circuit Intermittent/Erratic
P010F	Mass or Volume Air Flow Sensor 'A'/'B' Correlation
P0110	Intake Air Temperature Sensor 1 Circuit (Bank 1)
P0111	Intake Air Temperature Sensor 1 Circuit Range/Performance (Bank 1)
P0112	Intake Air Temperature Sensor 1 Circuit Low (Bank 1)
P0113	Intake Air Temperature Sensor 1 Circuit High (Bank 1)
P0114	Intake Air Temperature Sensor 1 Circuit Intermittent (Bank 1)
P0115	Engine Coolant Temperature Sensor 1 Circuit
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Performance
P0117	Engine Coolant Temperature Sensor 1 Circuit Low
P0118	Engine Coolant Temperature Sensor 1 Circuit High
P0119	Engine Coolant Temperature Sensor 1 Circuit Intermittent
P011A	Engine Coolant Temperature Sensor 1/2 Correlation
P011B	Engine Coolant Temperature / Intake Air Temperature Correlation
P011C	Charge Air Cooler Temperature/Intake Air Temperature Correlation (Bank 1)
P011D	Charge Air Cooler Temperature/Intake Air Temperature Correlation (Bank 2)

P011E	Engine Coolant Temperature 1 / Ambient Air Temperature Correlation
P011F	Engine Coolant Temperature 2 / Ambient Air Temperature Correlation
P0120	Throttle/Pedal Position Sensor/Switch 'A' Circuit
P0121	Throttle/Pedal Position Sensor/Switch 'A' Circuit Range/Performance
P0122	Throttle/Pedal Position Sensor/Switch 'A' Circuit Low
P0123	Throttle/Pedal Position Sensor/Switch 'A' Circuit High
P0124	Throttle/Pedal Position Sensor/Switch 'A' Circuit Intermittent
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control
P0126	Insufficient Coolant Temperature for Stable Operation
P0127	Intake Air Temperature Too High
P0128	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)
P0129	Barometric Pressure Too Low
P012A	Turbocharger/Supercharger Inlet Pressure Sensor 'A' Circuit
P012B	Turbocharger/Supercharger Inlet Pressure Sensor 'A' Circuit Range/Performance
P012C	Turbocharger/Supercharger Inlet Pressure Sensor 'A' Circuit Low
P012D	Turbocharger/Supercharger Inlet Pressure Sensor 'A' Circuit High
P012E	Turbocharger/Supercharger Inlet Pressure Sensor 'A' Circuit Intermittent/Erratic
P012F	Engine Coolant Temperature / Engine Oil Temperature Correlation
P0130	O2 Sensor Circuit (Bank 1 Sensor 1)
P0131	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)
P0132	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)
P0133	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)
P0135	O2 Sensor Heater Circuit (Bank 1 Sensor 1)
P0136	O2 Sensor Circuit (Bank 1 Sensor 2)
P0137	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)
P0138	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)
P0139	O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)
P013A	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 2)
P013B	O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 2)
P013C	O2 Sensor Slow Response - Rich to Lean (Bank 2 Sensor 2)
P013D	O2 Sensor Slow Response - Lean to Rich (Bank 2 Sensor 2)
P013E	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2)
P013F	O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 2)
P0140	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)
P0141	O2 Sensor Heater Circuit (Bank 1 Sensor 2)
P0142	O2 Sensor Circuit (Bank 1 Sensor 3)
P0143	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 3)
P0144	O2 Sensor Circuit High Voltage (Bank 1 Sensor 3)
P0145	O2 Sensor Circuit Slow Response (Bank 1 Sensor 3)
P0146	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 3)
P0147	O2 Sensor Heater Circuit (Bank 1 Sensor 3)
P0148	Fuel Delivery Error
P0149	Fuel Timing Error
P014A	O2 Sensor Delayed Response - Rich to Lean (Bank 2 Sensor 2)
P014B	O2 Sensor Delayed Response - Lean to Rich (Bank 2 Sensor 2)
P014C	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 1)
P014D	O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 1)
P014E	O2 Sensor Slow Response - Rich to Lean (Bank 2 Sensor 1)
P014F	O2 Sensor Slow Response - Lean to Rich (Bank 2 Sensor 1)
P0150	O2 Sensor Circuit (Bank 2 Sensor 1)
P0151	O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)
P0152	O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)

P0153	O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)
P0154	O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 1)
P0155	O2 Sensor Heater Circuit (Bank 2 Sensor 1)
P0156	O2 Sensor Circuit (Bank 2 Sensor 2)
P0157	O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)
P0158	O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)
P0159	O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)
P015A	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 1)
P015B	O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 1)
P015C	O2 Sensor Delayed Response - Rich to Lean (Bank 2 Sensor 1)
P015D	O2 Sensor Delayed Response - Lean to Rich (Bank 2 Sensor 1)
P015E	Excessive Time to Enter Closed Loop Fuel Timing Control
P015F	Excessive Time to Enter Closed Loop Cylinder Balance Control
P0160	O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 2)
P0161	O2 Sensor Heater Circuit (Bank 2 Sensor 2)
P0162	O2 Sensor Circuit (Bank 2 Sensor 3)
P0163	O2 Sensor Circuit Low Voltage (Bank 2 Sensor 3)
P0164	O2 Sensor Circuit High Voltage (Bank 2 Sensor 3)
P0165	O2 Sensor Circuit Slow Response (Bank 2 Sensor 3)
P0166	O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 3)
P0167	O2 Sensor Heater Circuit (Bank 2 Sensor 3)
P0168	Fuel Temperature Too High
P0169	Incorrect Fuel Composition
P016A	Excessive Time To Enter Closed Loop Air/Fuel Ratio Control
P016B	Closed Loop Air/Fuel Ratio Control At Limit - System Too Rich
P016C	Closed Loop Air/Fuel Ratio Control At Limit - System Too Lean
P016D	Excessive Time To Enter Closed Loop Fuel Pressure Control
P016E	Closed Loop Fuel Pressure Control At Limit - Pressure Too High
P016F	Closed Loop Fuel Pressure Control At Limit - Pressure Too Low
P0170	Fuel Trim (Bank 1)
P0171	System Too Lean (Bank 1)
P0172	System Too Rich (Bank 1)
P0173	Fuel Trim (Bank 2)
P0174	System Too Lean (Bank 2)
P0175	System Too Rich (Bank 2)
P0176	Fuel Composition Sensor Circuit
P0177	Fuel Composition Sensor Circuit Range/Performance
P0178	Fuel Composition Sensor Circuit Low
P0179	Fuel Composition Sensor Circuit High
P017A	Cylinder Head Temperature Sensor Circuit
P017B	Cylinder Head Temperature Sensor Circuit Range/Performance
P017C	Cylinder Head Temperature Sensor Circuit Low
P017D	Cylinder Head Temperature Sensor Circuit High
P017E	Cylinder Head Temperature Sensor Circuit Intermittent/Erratic
P0180	Fuel Temperature Sensor 'A' Circuit
P0181	Fuel Temperature Sensor 'A' Circuit Range/Performance
P0182	Fuel Temperature Sensor 'A' Circuit Low
P0183	Fuel Temperature Sensor 'A' Circuit High
P0184	Fuel Temperature Sensor 'A' Circuit Intermittent
P0185	Fuel Temperature Sensor 'B' Circuit
P0186	Fuel Temperature Sensor 'B' Circuit Range/Performance
P0187	Fuel Temperature Sensor 'B' Circuit Low
P0188	Fuel Temperature Sensor 'B' Circuit High

P0189	Fuel Temperature Sensor 'B' Circuit Intermittent
P018A	Fuel Pressure Sensor 'B' Circuit
P018B	Fuel Pressure Sensor 'B' Circuit Range/Performance
P018C	Fuel Pressure Sensor 'B' Circuit Low
P018D	Fuel Pressure Sensor 'B' Circuit High
P018E	Fuel Pressure Sensor 'B' Circuit Intermittent/Erratic
P018F	Fuel System Over Pressure Relief Valve Frequent Activation
P0190	Fuel Rail Pressure Sensor Circuit (Bank 1)
P0191	Fuel Rail Pressure Sensor Circuit Range/Performance (Bank 1)
P0192	Fuel Rail Pressure Sensor Circuit Low (Bank 1)
P0193	Fuel Rail Pressure Sensor Circuit High (Bank 1)
P0194	Fuel Rail Pressure Sensor 'A' Circuit Intermittent/Erratic (Bank 1)
P0195	Engine Oil Temperature Sensor 'A' Circuit
P0196	Engine Oil Temperature Sensor 'A' Range/Performance
P0197	Engine Oil Temperature Sensor 'A' Circuit Low
P0198	Engine Oil Temperature Sensor 'A' Circuit High
P0199	Engine Oil Temperature Sensor 'A' Circuit Intermittent/Erratic
P019A	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 3)
P019B	O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 3)
P019C	O2 Sensor Delayed Response - Rich to Lean (Bank 2 Sensor 3)
P019D	O2 Sensor Delayed Response - Lean to Rich (Bank 2 Sensor 3)
P019E	Alternative Fuel Tank 'A' Pressure Sensor Circuit
P019F	Alternative Fuel Tank 'A' Pressure Sensor Performance
P01A0	Alternative Fuel Tank 'A' Pressure Sensor Circuit Low
P01A1	Alternative Fuel Tank 'A' Pressure Sensor Circuit High
P01A2	Alternative Fuel Tank 'A' Pressure Sensor Circuit Intermittent/Erratic
P01A3	Alternative Fuel Rail Pressure Sensor Circuit
P01A4	Alternative Fuel Rail Pressure Sensor Performance
P01A5	Alternative Fuel Rail Pressure Sensor Circuit Low
P01A6	Alternative Fuel Rail Pressure Sensor Circuit High
P01A7	Alternative Fuel Rail Pressure Sensor Circuit Intermittent
P01A8	Alternative Fuel Rail/System Pressure - Too Low
P01A9	Alternative Fuel Rail/System Pressure - Too High
P01AA	Alternative Fuel Tank Temperature Sensor Circuit
P01AB	Alternative Fuel Tank Temperature Sensor Performance
P01AC	Alternative Fuel Tank Temperature Sensor Circuit Low
P01AD	Alternative Fuel Tank Temperature Sensor Circuit High
P01AE	Alternative Fuel Tank Temperature Sensor Circuit Intermittent/Erratic
P01AF	Alternative Fuel Tank 'A' Level Sensor Circuit
P01B0	Alternative Fuel Tank 'A' Level Sensor Range/Performance
P01B1	Alternative Fuel Tank 'A' Level Sensor Circuit Low
P01B2	Alternative Fuel Tank 'A' Level Sensor Circuit High
P01B3	Alternative Fuel Tank 'A' Level Sensor Circuit Intermittent/Erratic
P01B4	Alternative Fuel Rail Temperature Sensor Circuit
P01B5	Alternative Fuel Rail Temperature Sensor Performance
P01B6	Alternative Fuel Rail Temperature Sensor Circuit Low
P01B7	Alternative Fuel Rail Temperature Sensor Circuit High
P01B8	Alternative Fuel Rail Temperature Sensor Circuit Intermittent/Erratic
P01B9	Engine Oil Temperature Sensor 'B' Circuit
P01BA	Engine Oil Temperature Sensor 'B' Range/Performance
P01BB	Engine Oil Temperature Sensor 'B' Circuit Low
P01BC	Engine Oil Temperature Sensor 'B' Circuit High
P01BD	Engine Oil Temperature Sensor 'B' Circuit Intermittent/Erratic

P01BE	Fuel Rail Pressure Sensor Circuit (Bank 2)
P01BF	Fuel Rail Pressure Sensor Circuit Range/Performance (Bank 2)
P01C0	Fuel Rail Pressure Sensor Circuit Low (Bank 2)
P01C1	Fuel Rail Pressure Sensor Circuit High (Bank 2)
P01C2	Fuel Rail Pressure Sensor Circuit Intermittent/Erratic (Bank 2)
P01C3	Fuel Pressure Sensor 'A' Circuit
P01C4	Fuel Pressure Sensor 'A' Circuit Range/Performance
P01C5	Fuel Pressure Sensor 'A' Circuit Low
P01C6	Fuel Pressure Sensor 'A' Circuit High
P01C7	Fuel Pressure Sensor 'A' Circuit Intermittent/Erratic
P01C8	Fuel Rail/System Pressure - Too Low (Bank 2)
P01C9	Fuel Rail/System Pressure - Too High (Bank 2)
P01CA	Fuel Rail Pressure Too Low - Engine Cranking (Bank 2)
P01CB	Cylinder 1 Injection Timing Performance - Over Retarded
P01CC	Cylinder 1 Injection Timing Performance - Over Advanced
P01CD	Cylinder 2 Injection Timing Performance - Over Retarded
P01CE	Cylinder 2 Injection Timing Performance - Over Advanced
P01CF	Cylinder 3 Injection Timing Performance - Over Retarded
P01D0	Cylinder 3 Injection Timing Performance - Over Advanced
P01D1	Cylinder 4 Injection Timing Performance - Over Retarded
P01D2	Cylinder 4 Injection Timing Performance - Over Advanced
P01D3	Cylinder 5 Injection Timing Performance - Over Retarded
P01D4	Cylinder 5 Injection Timing Performance - Over Advanced
P01D5	Cylinder 6 Injection Timing Performance - Over Retarded
P01D6	Cylinder 6 Injection Timing Performance - Over Advanced
P01D7	Cylinder 7 Injection Timing Performance - Over Retarded
P01D8	Cylinder 7 Injection Timing Performance - Over Advanced
P01D9	Cylinder 8 Injection Timing Performance - Over Retarded
P01DA	Cylinder 8 Injection Timing Performance - Over Advanced
P01DB	Cylinder 9 Injection Timing Performance - Over Retarded
P01DC	Cylinder 9 Injection Timing Performance - Over Advanced
P01DD	Cylinder 10 Injection Timing Performance - Over Retarded
P01DE	Cylinder 10 Injection Timing Performance - Over Advanced
P01DF	Cylinder 11 Injection Timing Performance - Over Retarded
P01E0	Cylinder 11 Injection Timing Performance - Over Advanced
P01E1	Cylinder 12 Injection Timing Performance - Over Retarded
P01E2	Cylinder 12 Injection Timing Performance - Over Advanced
P01E3	Engine Coolant Temperature Sensor 3 Circuit
P01E4	Engine Coolant Temperature Sensor 3 Circuit Range/Performance
P01E5	Engine Coolant Temperature Sensor 3 Circuit Low
P01E6	Engine Coolant Temperature Sensor 3 Circuit High
P01E7	Engine Coolant Temperature Sensor 3 Circuit Intermittent
P01E8	Engine Coolant Heater 'A' Control Circuit/Open
P01E9	Engine Coolant Heater 'A' Control Circuit Low
P01EA	Engine Coolant Heater 'A' Control Circuit High
P01EB	Engine Coolant Heater 'A' Control Circuit Performance
P01EC	Engine Coolant Heater 'B' Control Circuit/Open
P01ED	Engine Coolant Heater 'B' Control Circuit Low
P01EE	Engine Coolant Heater 'B' Control Circuit High
P01EF	Engine Coolant Heater 'B' Control Circuit Performance
P01F0	Coolant Temperature Relapsed Below Diagnostic Monitoring Temperature
P01F1	O2 Sensor Circuit Bank 1 Sensor 4
P01F2	O2 Sensor Circuit Low Voltage Bank 1 Sensor 4

P01F3	O2 Sensor Circuit High Voltage Bank 1 Sensor 4
P01F4	O2 Sensor Circuit Slow Response Bank 1 Sensor 4
P01F5	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 4
P01F6	O2 Sensor Signal Biased/Stuck Lean Bank 1 Sensor 4
P01F7	O2 Sensor Signal Biased/Stuck Rich Bank 1 Sensor 4
P01F8	Engine Coolant Heater 'A' Control Circuit Driver Current/Temperature Too High
P01F9	Engine Coolant Heater 'B' Control Circuit Driver Current/Temperature Too High
P01FA	Turbocharger Outlet Pressure Sensor 'B' Circuit
P01FB	Turbocharger Outlet Pressure Sensor 'B' Range/Performance
P01FC	Turbocharger Outlet Pressure Sensor 'B' Circuit Low
P01FD	Turbocharger Outlet Pressure Sensor 'B' Circuit High
P01FE	Turbocharger Outlet Pressure Sensor 'B' Intermittent/Erratic
P01FF	Turbocharger Outlet Pressure Sensor 'A'/'B' Correlation
P0200	Injector Circuit/Open
P0201	Cylinder 1 Injector 'A' Circuit/Open
P0202	Cylinder 2 Injector 'A' Circuit/Open
P0203	Cylinder 3 Injector 'A' Circuit/Open
P0204	Cylinder 4 Injector 'A' Circuit/Open
P0205	Cylinder 5 Injector 'A' Circuit/Open
P0206	Cylinder 6 Injector 'A' Circuit/Open
P0207	Cylinder 7 Injector 'A' Circuit/Open
P0208	Cylinder 8 Injector 'A' Circuit/Open
P0209	Cylinder 9 Injector 'A' Circuit/Open
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	Cylinder 10 Injector 'A' Circuit/Open
P0211	Cylinder 11 Injector 'A' Circuit/Open
P0212	Cylinder 12 Injector 'A' Circuit/Open
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 Temperature Sensor 'A' Over Temperature Condition
P0219	Engine Overspeed Condition
P021A	Cylinder 7 Injection Timing
P021B	Cylinder 8 Injection Timing
P021C	Cylinder 9 Injection Timing
P021D	Cylinder 10 Injection Timing
P021E	Cylinder 11 Injection Timing
P021F	Cylinder 12 Injection Timing
P0220	Throttle/Pedal Position Sensor/Switch 'B' Circuit
P0221	Throttle/Pedal Position Sensor/Switch 'B' Circuit Range/Performance
P0222	Throttle/Pedal Position Sensor/Switch 'B' Circuit Low
P0223	Throttle/Pedal Position Sensor/Switch 'B' Circuit High
P0224	Throttle/Pedal Position Sensor/Switch 'B' Circuit Intermittent
P0225	Throttle/Pedal Position Sensor/Switch 'C' Circuit
P0226	Throttle/Pedal Position Sensor/Switch 'C' Circuit Range/Performance
P0227	Throttle/Pedal Position Sensor/Switch 'C' Circuit Low

P0228	Throttle/Pedal Position Sensor/Switch 'C' Circuit High
P0229	Throttle/Pedal Position Sensor/Switch 'C' Circuit Intermittent
P022A	Charge Air Cooler Bypass Control 'A' Circuit/Open
P022B	Charge Air Cooler Bypass Control 'A' Circuit Low
P022C	Charge Air Cooler Bypass Control 'A' Circuit High
P022D	Charge Air Cooler Bypass Control 'B' Circuit/Open
P022E	Charge Air Cooler Bypass Control 'B' Circuit Low
P022F	Charge Air Cooler Bypass Control 'B' Circuit High
P0230	Fuel Pump Primary Circuit
P0231	Fuel Pump Secondary Circuit Low
P0232	Fuel Pump Secondary Circuit High
P0233	Fuel Pump Secondary Circuit Intermittent
P0234	Turbocharger/Supercharger 'A' Overboost Condition
P0235	Turbocharger/Supercharger Boost Sensor 'A' Circuit
P0236	Turbocharger/Supercharger Boost Sensor 'A' Circuit Range/Performance
P0237	Turbocharger/Supercharger Boost Sensor 'A' Circuit Low
P0238	Turbocharger/Supercharger Boost Sensor 'A' Circuit High
P0239	Turbocharger/Supercharger Boost Sensor 'B' Circuit
P023A	Charge Air Cooler Coolant Pump Control Circuit/Open
P023B	Charge Air Cooler Coolant Pump Control Circuit Low
P023C	Charge Air Cooler Coolant Pump Control Circuit High
P023D	Manifold Absolute Pressure - Turbocharger/Supercharger Boost Sensor 'A' Correlation
P023E	Manifold Absolute Pressure - Turbocharger/Supercharger Boost Sensor 'B' Correlation
P023F	Fuel Pump Secondary Circuit/Open
P0240	Turbocharger/Supercharger Boost Sensor 'B' Circuit Range/Performance
P0241	Turbocharger/Supercharger Boost Sensor 'B' Circuit Low
P0242	Turbocharger/Supercharger Boost Sensor 'B' Circuit High
P0243	Turbocharger/Supercharger Wastegate Actuator 'A'
P0244	Turbocharger/Supercharger Wastegate Solenoid 'A' Range/Performance
P0245	Turbocharger/Supercharger Wastegate Actuator 'A' Low
P0246	Turbocharger/Supercharger Wastegate Aktuator 'A' High
P0247	Turbocharger/Supercharger Wastegate Actuator 'B'
P0248	Turbocharger/Supercharger Wastegate Actuator 'B' Range/Performance
P0249	Turbocharger/Supercharger Wastegate Actuator 'B' Low
P024A	Charge Air Cooler Bypass Control 'A' Range/Performance
P024B	Charge Air Cooler Bypass Control 'A' Stuck
P024C	Charge Air Cooler Bypass Position Sensor 'A' Circuit
P024D	Charge Air Cooler Bypass Position Sensor 'A' Circuit Range/Performance
P024E	Charge Air Cooler Bypass Position Sensor 'A' Circuit Low
P024F	Charge Air Cooler Bypass Position Sensor 'A' Circuit High
P0250	Turbocharger/Supercharger Wastegate Actuator 'B' High
P0251	Injection Pump Fuel Metering Control 'A' (Cam/Rotor/Injector)
P0252	Injection Pump Fuel Metering Control 'A' Range/Performance (Cam/Rotor/Injector)
P0253	Injection Pump Fuel Metering Control 'A' Low (Cam/Rotor/Injector)
P0254	Injection Pump Fuel Metering Control 'A' High (Cam/Rotor/Injector)
P0255	Injection Pump Fuel Metering Control 'A' Intermittent (Cam/Rotor/Injector)
P0256	Injection Pump Fuel Metering Control 'B' (Cam/Rotor/Injector)
P0257	Injection Pump Fuel Metering Control 'B' Range/Performance (Cam/Rotor/Injector)
P0258	Injection Pump Fuel Metering Control 'B' Low (Cam/Rotor/Injector)
P0259	Injection Pump Fuel Metering Control 'B' High (Cam/Rotor/Injector)
P025A	Fuel Pump Module 'A' Control Circuit/Open
P025B	Fuel Pump Module 'A' Control Circuit Range/Performance
P025C	Fuel Pump Module 'A' Control Circuit Low

P025D	Fuel Pump Module 'A' Control Circuit High
P025E	Turbocharger/Supercharger Boost Sensor 'A' Intermittent/Erratic
P025F	Turbocharger/Supercharger Boost Sensor 'B' Intermittent/Erratic
P0260	Injection Pump Fuel Metering Control 'B' Intermittent (Cam/Rotor/Injector)
P0261	Cylinder 1 Injector 'A' Circuit Low
P0262	Cylinder 1 Injector 'A' Circuit High
P0263	Cylinder 1 Contribution/Balance
P0264	Cylinder 2 Injector 'A' Circuit Low
P0265	Cylinder 2 Injector 'A' Circuit High
P0266	Cylinder 2 Contribution/Balance
P0267	Cylinder 3 Injector 'A' Circuit Low
P0268	Cylinder 3 Injector 'A' Circuit High
P0269	Cylinder 3 Contribution/Balance
P026A	Charge Air Cooler Efficiency Below Threshold
P026B	Injection Timing Performance
P026C	Fuel Injection Quantity Lower Than Expected
P026D	Fuel Injection Quantity Higher Than Expected
P026E	Charge Air Cooler Coolant Pump Performance
P0270	Cylinder 4 Injector 'A' Circuit Low
P0271	Cylinder 4 Injector 'A' Circuit High
P0272	Cylinder 4 Contribution/Balance
P0273	Cylinder 5 Injector 'A' Circuit Low
P0274	Cylinder 5 Injector 'A' Circuit High
P0275	Cylinder 5 Contribution/Balance
P0276	Cylinder 6 Injector 'A' Circuit Low
P0277	Cylinder 6 Injector 'A' Circuit High
P0278	Cylinder 6 Contribution/Balance
P0279	Cylinder 7 Injector 'A' Circuit Low
P027A	Fuel Pump Module 'B' Control Circuit/Open
P027B	Fuel Pump Module 'B' Control Circuit Range/Performance
P027C	Fuel Pump Module 'B' Control Circuit Low
P027D	Fuel Pump Module 'B' Control Circuit High
P0280	Cylinder 7 Injector 'A' Circuit High
P0281	Cylinder 7 Contribution/Balance
P0282	Cylinder 8 Injector 'A' Circuit Low
P0283	Cylinder 8 Injector 'A' Circuit High
P0284	Cylinder 8 Contribution/Balance
P0285	Cylinder 9 Injector 'A' Circuit Low
P0286	Cylinder 9 Injector 'A' Circuit High
P0287	Cylinder 9 Contribution/Balance
P0288	Cylinder 10 Injector 'A' Circuit Low
P0289	Cylinder 10 Injector 'A' Circuit High
P028A	Charge Air Cooler Cooling Fan Control Circuit/Open
P028B	Charge Air Cooler Cooling Fan Performance/Stuck Off
P028C	Charge Air Cooler Cooling Fan Stuck On
P028D	Charge Air Cooler Cooling Fan Control Circuit Low
P028E	Charge Air Cooler Cooling Fan Control Circuit High
P028F	Charge Air Cooler Cooling Fan Control Circuit Driver Performance
P0290	Cylinder 10 Contribution/Balance
P0291	Cylinder 11 Injector 'A' Circuit Low
P0292	Cylinder 11 Injector 'A' Circuit High
P0293	Cylinder 11 Contribution/Balance
P0294	Cylinder 12 Injector 'A' Circuit Low

P0295	Cylinder 12 Injector 'A' Circuit High
P0296	Cylinder 12 Contribution/Balance
P0297	Vehicle Overspeed Condition
P0298	Engine Oil Over Temperature
P0299	Turbocharger/Supercharger 'A' Underboost Condition
P029A	Cylinder 1 - Fuel Trim at Max Limit
P029B	Cylinder 1 - Fuel Trim at Min Limit
P029C	Cylinder 1 - Injector Restricted
P029D	Cylinder 1 - Injector Leaking
P029E	Cylinder 2 - Fuel Trim at Max Limit
P029F	Cylinder 2 - Fuel Trim at Min Limit
P02A0	Cylinder 2 - Injector Restricted
P02A1	Cylinder 2 - Injector Leaking
P02A2	Cylinder 3 - Fuel Trim at Max Limit
P02A3	Cylinder 3 - Fuel Trim at Min Limit
P02A4	Cylinder 3 - Injector Restricted
P02A5	Cylinder 3 - Injector Leaking
P02A6	Cylinder 4 - Fuel Trim at Max Limit
P02A7	Cylinder 4 - Fuel Trim at Min Limit
P02A8	Cylinder 4 - Injector Restricted
P02A9	Cylinder 4 - Injector Leaking
P02AA	Cylinder 5 - Fuel Trim at Max Limit
P02AB	Cylinder 5 - Fuel Trim at Min Limit
P02AC	Cylinder 5 - Injector Restricted
P02AD	Cylinder 5 - Injector Leaking
P02AE	Cylinder 6 - Fuel Trim at Max Limit
P02AF	Cylinder 6 - Fuel Trim at Min Limit
P02B0	Cylinder 6 - Injector Restricted
P02B1	Cylinder 6 - Injector Leaking
P02B2	Cylinder 7 - Fuel Trim at Max Limit
P02B3	Cylinder 7 - Fuel Trim at Min Limit
P02B4	Cylinder 7 - Injector Restricted
P02B5	Cylinder 7 - Injector Leaking
P02B6	Cylinder 8 - Fuel Trim at Max Limit
P02B7	Cylinder 8 - Fuel Trim at Min Limit
P02B8	Cylinder 8 - Injector Restricted
P02B9	Cylinder 8 - Injector Leaking
P02BA	Cylinder 9 - Fuel Trim at Max Limit
P02BB	Cylinder 9 - Fuel Trim at Min Limit
P02BC	Cylinder 9 - Injector Restricted
P02BD	Cylinder 9 - Injector Leaking
P02BE	Cylinder 10 - Fuel Trim at Max Limit
P02BF	Cylinder 10 - Fuel Trim at Min Limit
P02C0	Cylinder 10 - Injector Restricted
P02C1	Cylinder 10 - Injector Leaking
P02C2	Cylinder 11 - Fuel Trim at Max Limit
P02C3	Cylinder 11 - Fuel Trim at Min Limit
P02C4	Cylinder 11 - Injector Restricted
P02C5	Cylinder 11 - Injector Leaking
P02C6	Cylinder 12 - Fuel Trim at Max Limit
P02C7	Cylinder 12 - Fuel Trim at Min Limit
P02C8	Cylinder 12 - Injector Restricted
P02C9	Cylinder 12 - Injector Leaking

P02CA	Turbocharger/Supercharger 'B' Overboost Condition
P02CB	Turbocharger/Supercharger 'B' Underboost Condition
P02CC	Cylinder 1 Fuel Injector Offset Learning at Min Limit
P02CD	Cylinder 1 Fuel Injector Offset Learning at Max Limit
P02CE	Cylinder 2 Fuel Injector Offset Learning at Min Limit
P02CF	Cylinder 2 Fuel Injector Offset Learning at Max Limit
P02D0	Cylinder 3 Fuel Injector Offset Learning at Min Limit
P02D1	Cylinder 3 Fuel Injector Offset Learning at Max Limit
P02D2	Cylinder 4 Fuel Injector Offset Learning at Min Limit
P02D3	Cylinder 4 Fuel Injector Offset Learning at Max Limit
P02D4	Cylinder 5 Fuel Injector Offset Learning at Min Limit
P02D5	Cylinder 5 Fuel Injector Offset Learning at Max Limit
P02D6	Cylinder 6 Fuel Injector Offset Learning at Min Limit
P02D7	Cylinder 6 Fuel Injector Offset Learning at Max Limit
P02D8	Cylinder 7 Fuel Injector Offset Learning at Min Limit
P02D9	Cylinder 7 Fuel Injector Offset Learning at Max Limit
P02DA	Cylinder 8 Fuel Injector Offset Learning at Min Limit
P02DB	Cylinder 8 Fuel Injector Offset Learning at Max Limit
P02DC	Cylinder 9 Fuel Injector Offset Learning at Min Limit
P02DD	Cylinder 9 Fuel Injector Offset Learning at Max Limit
P02DE	Cylinder 10 Fuel Injector Offset Learning at Min Limit
P02DF	Cylinder 10 Fuel Injector Offset Learning at Max Limit
P02E0	Diesel Intake Air Flow Control Circuit/Open
P02E1	Diesel Intake Air Flow Control Performance
P02E2	Diesel Intake Air Flow Control Circuit Low
P02E3	Diesel Intake Air Flow Control Circuit High
P02E4	Diesel Intake Air Flow Control Stuck Open
P02E5	Diesel Intake Air Flow Control Stuck Closed
P02E6	Diesel Intake Air Flow Position Sensor Circuit
P02E7	Diesel Intake Air Flow Position Sensor Circuit Range/Performance
P02E8	Diesel Intake Air Flow Position Sensor Circuit Low
P02E9	Diesel Intake Air Flow Position Sensor Circuit High
P02EA	Diesel Intake Air Flow Position Sensor Circuit Intermittent/Erratic
P02EB	Diesel Intake Air Flow Control Motor Current Range/Performance
P02EC	Diesel Intake Air Flow Control System - High Air Flow Detected
P02ED	Diesel Intake Air Flow Control System - Low Air Flow Detected
P02EE	Cylinder 1 Injector Circuit Range/Performance
P02EF	Cylinder 2 Injector Circuit Range/Performance
P02F0	Cylinder 3 Injector Circuit Range/Performance
P02F1	Cylinder 4 Injector Circuit Range/Performance
P02F2	Cylinder 5 Injector Circuit Range/Performance
P02F3	Cylinder 6 Injector Circuit Range/Performance
P02F4	Cylinder 7 Injector Circuit Range/Performance
P02F5	Cylinder 8 Injector Circuit Range/Performance
P02F6	Cylinder 9 Injector Circuit Range/Performance
P02F7	Cylinder 10 Injector Circuit Range/Performance
P02F8	Cylinder 11 Injector Circuit Range/Performance
P02F9	Cylinder 12 Injector Circuit Range/Performance
P02FA	Diesel Intake Air Flow Position Sensor Minimum/Maximum Stop Performance
P02FB	Cold Start Fuel Injection Control Circuit/Open
P02FC	Cold Start Fuel Injection Control Circuit Low
P02FD	Cold Start Fuel Injection Control Circuit High
P02FE	Cold Start Fuel Injection Control Circuit Range/Performance

P0300	Random/Multiple Cylinder Misfire Detected
P0301	Cylinder 1 Misfire Detected
P0302	Cylinder 2 Misfire Detected
P0303	Cylinder 3 Misfire Detected
P0304	Cylinder 4 Misfire Detected
P0305	Cylinder 5 Misfire Detected
P0306	Cylinder 6 Misfire Detected
P0307	Cylinder 7 Misfire Detected
P0308	Cylinder 8 Misfire Detected
P0309	Cylinder 9 Misfire Detected
P0310	Cylinder 10 Misfire Detected
P0311	Cylinder 11 Misfire Detected
P0312	Cylinder 12 Misfire Detected
P0313	Misfire Detected With Low Fuel
P0314	Single Cylinder Misfire (Cylinder not Specified)
P0315	Crankshaft Position System Variation Not Learned
P0316	Engine Misfire Detected on Startup (First 1000 Revolutions)
P0317	Rough Road Hardware Not Present
P0318	Rough Road Sensor 'A' Signal Circuit
P0319	Rough Road Sensor 'B' Signal Circuit
P0320	Ignition/Distributor Engine Speed Input Circuit
P0321	Ignition/Distributor Engine Speed Input Circuit Range/Performance
P0322	Ignition/Distributor Engine Speed Input Circuit No Signal
P0323	Ignition/Distributor Engine Speed Input Circuit Intermittent
P0324	Knock/Combustion Vibration Control System Error
P0325	Knock/Combustion Vibration Sensor 1 Circuit (Bank 1 or Single Sensor)
P0326	Knock/Combustion Vibration Sensor 1 Circuit Range/Performance (Bank 1 or Single Sensor)
P0327	Knock/Combustion Vibration Sensor 1 Circuit Low (Bank 1 or Single Sensor)
P0328	Knock/Combustion Vibration Sensor 1 Circuit High (Bank 1 or Single Sensor)
P0329	Knock/Combustion Vibration Sensor 1 Circuit Intermittent (Bank 1 or Single Sensor)
P032A	Knock/Combustion Vibration Sensor 3 Circuit (Bank 1)
P032B	Knock/Combustion Vibration Sensor 3 Circuit Range/Performance (Bank 1)
P032C	Knock/Combustion Vibration Sensor 3 Circuit Low (Bank 1)
P032D	Knock/Combustion Vibration Sensor 3 Circuit High (Bank 1)
P032E	Knock/Combustion Vibration Sensor 3 Circuit Intermittent (Bank 1)
P0330	Knock/Combustion Vibration Sensor 2 Circuit (Bank 2)
P0331	Knock/Combustion Vibration Sensor 2 Circuit Range/Performance (Bank 2)
P0332	Knock/Combustion Vibration Sensor 2 Circuit Low (Bank 2)
P0333	Knock/Combustion Vibration Sensor 2 Circuit High (Bank 2)
P0334	Knock/Combustion Vibration Sensor 2 Circuit Intermittent (Bank 2)
P0335	Crankshaft Position Sensor 'A' Circuit
P0336	Crankshaft Position Sensor 'A' Circuit Range/Performance
P0337	Crankshaft Position Sensor 'A' Circuit Low
P0338	Crankshaft Position Sensor 'A' Circuit High
P0339	Crankshaft Position Sensor 'A' Circuit Intermittent
P033A	Knock/Combustion Vibration Sensor 4 Circuit (Bank 2)
P033B	Knock/Combustion Vibration Sensor 4 Circuit Range/Performance (Bank 2)
P033C	Knock/Combustion Vibration Sensor 4 Circuit Low (Bank 2)
P033D	Knock/Combustion Vibration Sensor 4 Circuit High (Bank 2)
P033E	Knock/Combustion Vibration Sensor 4 Circuit Intermittent (Bank 2)
P0340	Camshaft Position Sensor 'A' Circuit (Bank 1 or Single Sensor)
P0341	Camshaft Position Sensor 'A' Circuit Range/Performance (Bank 1 or Single Sensor)
P0342	Camshaft Position Sensor 'A' Circuit Low (Bank 1 or Single Sensor)

P0343	Camshaft Position Sensor 'A' Circuit High (Bank 1 or Single Sensor)
P0344	Camshaft Position Sensor 'A' Circuit Intermittent (Bank 1 or Single Sensor)
P0345	Camshaft Position Sensor 'A' Circuit (Bank 2)
P0346	Camshaft Position Sensor 'A' Circuit Range/Performance (Bank 2)
P0347	Camshaft Position Sensor 'A' Circuit Low (Bank 2)
P0348	Camshaft Position Sensor 'A' Circuit High (Bank 2)
P0349	Camshaft Position Sensor 'A' Circuit Intermittent (Bank 2)
P034A	Crankshaft Position Sensor - Crankshaft Start Position Incorrect
P034B	Crankshaft Position Sensor - Crankshaft Direction Incorrect
P0350	Ignition Coil Primary/Secondary Circuit
P0351	Ignition Coil 'A' Primary Control Circuit/Open
P0352	Ignition Coil 'B' Primary Control Circuit/Open
P0353	Ignition Coil 'C' Primary Control Circuit/Open
P0354	Ignition Coil 'D' Primary Control Circuit/Open
P0355	Ignition Coil 'E' Primary Control Circuit/Open
P0356	Ignition Coil 'F' Primary Control Circuit/Open
P0357	Ignition Coil 'G' Primary Control Circuit/Open
P0358	Ignition Coil 'H' Primary Control Circuit/Open
P0359	Ignition Coil 'I' Primary Control Circuit/Open
P0360	Ignition Coil 'J' Primary Control Circuit/Open
P0361	Ignition Coil 'K' Primary Control Circuit/Open
P0362	Ignition Coil 'L' Primary Control Circuit/Open
P0363	Misfire Detected - Fueling Disabled
P0365	Camshaft Position Sensor 'B' Circuit (Bank 1)
P0366	Camshaft Position Sensor 'B' Circuit Range/Performance (Bank 1)
P0367	Camshaft Position Sensor 'B' Circuit Low (Bank 1)
P0368	Camshaft Position Sensor 'B' Circuit High (Bank 1)
P0369	Camshaft Position Sensor 'B' Circuit Intermittent (Bank 1)
P0370	Timing Reference High Resolution Signal 'A'
P0371	Timing Reference High Resolution Signal 'A' Too Many Pulses
P0372	Timing Reference High Resolution Signal 'A' Too Few Pulses
P0373	Timing Reference High Resolution Signal 'A' Intermittent/Erratic Pulses
P0374	Timing Reference High Resolution Signal 'A' No Pulses
P0375	Timing Reference High Resolution Signal 'B'
P0376	Timing Reference High Resolution Signal 'B' Too Many Pulses
P0377	Timing Reference High Resolution Signal 'B' Too Few Pulses
P0378	Timing Reference High Resolution Signal 'B' Intermittent/Erratic Pulses
P0379	Timing Reference High Resolution Signal 'B' No Pulses
P037A	Glow Plug/Heater Indicator Control Circuit Low
P037B	Glow Plug/Heater Indicator Control Circuit High
P037D	Glow Plug Sense Circuit
P037E	Glow Plug Sense Circuit Low
P037F	Glow Plug Sense Circuit High
P0380	Glow Plug /Heater Circuit 'A'
P0381	Glow Plug/Heater Indicator Control Circuit/Open
P0382	Glow Plug /Heater Circuit 'B'
P0383	Glow Plug Control Module 1 Control Circuit Low
P0384	Glow Plug Control Module 1 Control Circuit High
P0385	Crankshaft Position Sensor 'B' Circuit
P0386	Crankshaft Position Sensor 'B' Circuit Range/Performance
P0387	Crankshaft Position Sensor 'B' Circuit Low
P0388	Crankshaft Position Sensor 'B' Circuit High
P0389	Crankshaft Position Sensor 'B' Circuit Intermittent

P0390	Camshaft Position Sensor 'B' Circuit (Bank 2)
P0391	Camshaft Position Sensor 'B' Circuit Range/Performance (Bank 2)
P0392	Camshaft Position Sensor 'B' Circuit Low (Bank 2)
P0393	Camshaft Position Sensor 'B' Circuit High (Bank 2)
P0394	Camshaft Position Sensor 'B' Circuit Intermittent (Bank 2)
P0395	Cylinder 1 Pressure Sensor Circuit
P0396	Cylinder 1 Pressure Sensor Circuit Range/Performance
P0397	Cylinder 1 Pressure Sensor Circuit Low
P0398	Cylinder 1 Pressure Sensor Circuit High
P0399	Cylinder 1 Pressure Sensor Circuit Intermittent/Erratic
P039A	Cylinder 1 Pressure Too Low
P039B	Cylinder 1 Pressure Too High
P039C	Cylinder 1 Pressure Variation Low
P039D	Cylinder 1 Pressure Variation High
P039E	Cylinder 1 Combustion Performance
P039F	Cylinder 2 Pressure Sensor Circuit
P03A0	Cylinder 2 Pressure Sensor Circuit Range/Performance
P03A1	Cylinder 2 Pressure Sensor Circuit Low
P03A2	Cylinder 2 Pressure Sensor Circuit High
P03A3	Cylinder 2 Pressure Sensor Circuit Intermittent/Erratic
P03A4	Cylinder 2 Pressure Too Low
P03A5	Cylinder 2 Pressure Too High
P03A6	Cylinder 2 Pressure Variation Low
P03A7	Cylinder 2 Pressure Variation High
P03A8	Cylinder 2 Combustion Performance
P03A9	Cylinder 3 Pressure Sensor Circuit
P03AA	Cylinder 3 Pressure Sensor Circuit Range/Performance
P03AB	Cylinder 3 Pressure Sensor Circuit Low
P03AC	Cylinder 3 Pressure Sensor Circuit High
P03AD	Cylinder 3 Pressure Sensor Circuit Intermittent/Erratic
P03AE	Cylinder 3 Pressure Too Low
P03AF	Cylinder 3 Pressure Too High
P03B0	Cylinder 3 Pressure Variation Low
P03B1	Cylinder 3 Pressure Variation High
P03B2	Cylinder 3 Combustion Performance
P03B3	Cylinder 4 Pressure Sensor Circuit
P03B4	Cylinder 4 Pressure Sensor Circuit Range/Performance
P03B5	Cylinder 4 Pressure Sensor Circuit Low
P03B6	Cylinder 4 Pressure Sensor Circuit High
P03B7	Cylinder 4 Pressure Sensor Circuit Intermittent/Erratic
P03B8	Cylinder 4 Pressure Too Low
P03B9	Cylinder 4 Pressure Too High
P03BA	Cylinder 4 Pressure Variation Low
P03BB	Cylinder 4 Pressure Variation High
P03BC	Cylinder 4 Combustion Performance
P03BD	Cylinder 5 Pressure Sensor Circuit
P03BE	Cylinder 5 Pressure Sensor Circuit Range/Performance
P03BF	Cylinder 5 Pressure Sensor Circuit Low
P03C0	Cylinder 5 Pressure Sensor Circuit High
P03C1	Cylinder 5 Pressure Sensor Circuit Intermittent/Erratic
P03C2	Cylinder 5 Pressure Too Low
P03C3	Cylinder 5 Pressure Too High
P03C4	Cylinder 5 Pressure Variation Low

P03C5	Cylinder 5 Pressure Variation High
P03C6	Cylinder 5 Combustion Performance
P03C7	Cylinder 6 Pressure Sensor Circuit
P03C8	Cylinder 6 Pressure Sensor Circuit Range/Performance
P03C9	Cylinder 6 Pressure Sensor Circuit Low
P03CA	Cylinder 6 Pressure Sensor Circuit High
P03CB	Cylinder 6 Pressure Sensor Circuit Intermittent/Erratic
P03CC	Cylinder 6 Pressure Too Low
P03CD	Cylinder 6 Pressure Too High
P03CE	Cylinder 6 Pressure Variation Low
P03CF	Cylinder 6 Pressure Variation High
P03D0	Cylinder 6 Combustion Performance
P03D1	Cylinder 7 Pressure Sensor Circuit
P03D2	Cylinder 7 Pressure Sensor Circuit Range/Performance
P03D3	Cylinder 7 Pressure Sensor Circuit Low
P03D4	Cylinder 7 Pressure Sensor Circuit High
P03D5	Cylinder 7 Pressure Sensor Circuit Intermittent/Erratic
P03D6	Cylinder 7 Pressure Too Low
P03D7	Cylinder 7 Pressure Too High
P03D8	Cylinder 7 Pressure Variation Low
P03D9	Cylinder 7 Pressure Variation High
P03DA	Cylinder 7 Combustion Performance
P03DB	Cylinder 8 Pressure Sensor Circuit
P03DC	Cylinder 8 Pressure Sensor Circuit Range/Performance
P03DD	Cylinder 8 Pressure Sensor Circuit Low
P03DE	Cylinder 8 Pressure Sensor Circuit High
P03DF	Cylinder 8 Pressure Sensor Circuit Intermittent/Erratic
P03E0	Cylinder 8 Pressure Too Low
P03E1	Cylinder 8 Pressure Too High
P03E2	Cylinder 8 Pressure Variation Low
P03E3	Cylinder 8 Pressure Variation High
P03E4	Cylinder 8 Combustion Performance
P0400	EGR 'A' Flow
P0401	EGR 'A' Flow Insufficient Detected
P0402	EGR 'A' Flow Excessive Detected
P0403	EGR 'A' Control Circuit/Open
P0404	EGR 'A' Control Circuit Range/Performance
P0405	EGR Sensor 'A' Circuit Low
P0406	EGR Sensor 'A' Circuit High
P0407	EGR Sensor 'B' Circuit Low
P0408	EGR Sensor 'B' Circuit High
P0409	EGR Sensor 'A' Circuit
P040A	EGR Temperature Sensor 'A' Circuit
P040B	EGR Temperature Sensor 'A' Circuit Range/Performance
P040C	EGR Temperature Sensor 'A' Circuit Low
P040D	EGR Temperature Sensor 'A' Circuit High
P040E	EGR Temperature Sensor 'A' Circuit Intermittent/Erratic
P040F	EGR Temperature Sensor 'A'/'B' Correlation
P0410	AIR System 'A'
P0411	AIR System 'A' Incorrect Flow Detected
P0412	AIR System Switching Valve 'A' Circuit
P0413	AIR System Switching Valve 'A' Circuit Open
P0414	AIR System Switching Valve 'A' Circuit Shorted

P0415	AIR System Switching Valve 'B' Circuit
P0416	AIR System Switching Valve 'B' Circuit Open
P0417	AIR System Switching Valve 'B' Circuit Shorted
P0418	AIR System Control 'A' Circuit
P0419	AIR System Control 'B' Circuit
P041A	EGR Temperature Sensor 'B' Circuit
P041B	EGR Temperature Sensor 'B' Circuit Range/Performance
P041C	EGR Temperature Sensor 'B' Circuit Low
P041D	EGR Temperature Sensor 'B' Circuit High
P041E	EGR Temperature Sensor 'B' Circuit Intermittent/Erratic
P041F	AIR System Switching Valve 'A' Circuit Low
P0420	Catalyst System Efficiency Below Threshold (Bank 1)
P0421	Catalyst 1 Efficiency Below Threshold (Bank 1)
P0422	Catalyst 2 Efficiency Below Threshold (Bank 1)
P0423	Heated Catalyst Efficiency Below Threshold (Bank 1)
P0424	Heated Catalyst Temperature Below Threshold (Bank 1)
P0425	Catalyst Temperature Sensor Circuit (Bank 1 Sensor 1)
P0426	Catalyst Temperature Sensor Circuit Range/Performance (Bank 1 Sensor 1)
P0427	Catalyst Temperature Sensor Circuit Low (Bank 1 Sensor 1)
P0428	Catalyst Temperature Sensor Circuit High (Bank 1 Sensor 1)
P0429	Catalyst Heater Control Circuit (Bank 1)
P042A	Catalyst Temperature Sensor Circuit (Bank 1 Sensor 2)
P042B	Catalyst Temperature Sensor Circuit Range/Performance (Bank 1 Sensor 2)
P042C	Catalyst Temperature Sensor Circuit Low (Bank 1 Sensor 2)
P042D	Catalyst Temperature Sensor Circuit High (Bank 1 Sensor 2)
P042E	EGR 'A' Control Stuck Open
P042F	EGR 'A' Control Stuck Closed
P0430	Catalyst System Efficiency Below Threshold (Bank 2)
P0431	Catalyst 1 Efficiency Below Threshold (Bank 2)
P0432	Catalyst 2 Efficiency Below Threshold (Bank 2)
P0433	Heated Catalyst Efficiency Below Threshold (Bank 2)
P0434	Heated Catalyst Temperature Below Threshold (Bank 2)
P0435	Catalyst Temperature Sensor Circuit (Bank 2 Sensor 1)
P0436	Catalyst Temperature Sensor Circuit Range/Performance (Bank 2 Sensor 1)
P0437	Catalyst Temperature Sensor Circuit Low (Bank 2 Sensor 1)
P0438	Catalyst Temperature Sensor Circuit High (Bank 2 Sensor 1)
P0439	Catalyst Heater Control Circuit/Open 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	EVAP System Leak Detection Reference Orifice Low Flow
P043F	EVAP System Leak Detection Reference Orifice High Flow
P0440	EVAP System
P0441	EVAP System Incorrect Purge Flow
P0442	EVAP System Leak Detected (small leak)
P0443	EVAP System Purge Control Valve 'A' Circuit
P0444	EVAP System Purge Control Valve 'A' Circuit Open
P0445	EVAP System Purge Control Valve 'A' Circuit Shorted
P0446	EVAP System Vent Control Circuit
P0447	EVAP System Vent Control Circuit Open
P0448	EVAP System Vent Control Circuit Shorted
P0449	EVAP System Vent Valve/Solenoid Circuit

P044A	EGR Sensor 'C' Circuit
P044B	EGR Sensor 'C' Circuit Range/Performance
P044C	EGR Sensor 'C' Circuit Low
P044D	EGR Sensor 'C' Circuit High
P044E	EGR Sensor 'C' Circuit Intermittent/Erratic
P044F	AIR System Switching Valve 'A' Circuit High
P0450	EVAP System Pressure Sensor/Switch 'A' Circuit
P0451	EVAP System Pressure Sensor/Switch 'A' Circuit Range/Performance
P0452	EVAP System Pressure Sensor/Switch 'A' Circuit Low
P0453	EVAP System Pressure Sensor/Switch 'A' Circuit High
P0454	EVAP System Pressure Sensor/Switch 'A' Circuit Intermittent
P0455	EVAP System Leak Detected (large leak)
P0456	EVAP System Leak Detected (very small leak)
P0457	EVAP System Leak Detected (fuel cap loose/off)
P0458	EVAP System Purge Control Valve 'A' Circuit Low
P0459	EVAP System Purge Control Valve 'A' Circuit High
P045A	EGR 'B' Control Circuit
P045B	EGR 'B' Control Circuit Range/Performance
P045C	EGR 'B' Control Circuit Low
P045D	EGR 'B' Control Circuit High
P045E	EGR 'B' Control Stuck Open
P045F	EGR 'B' Control Stuck Closed
P0460	Fuel Level Sensor 'A' Circuit
P0461	Fuel Level Sensor 'A' Circuit Range/Performance
P0462	Fuel Level Sensor 'A' Circuit Low
P0463	Fuel Level Sensor 'A' Circuit High
P0464	Fuel Level Sensor 'A' Circuit Intermittent
P0465	EVAP Purge Flow Sensor Circuit
P0466	EVAP Purge Flow Sensor Circuit Range/Performance
P0467	EVAP Purge Flow Sensor Circuit Low
P0468	EVAP Purge Flow Sensor Circuit High
P0469	EVAP Purge Flow Sensor Circuit Intermittent
P046A	Catalyst Temperature Sensor 1/2 Correlation (Bank 1)
P046B	Catalyst Temperature Sensor 1/2 Correlation (Bank 2)
P046C	EGR Sensor 'A' Circuit Range/Performance
P046D	EGR Sensor 'A' Circuit Intermittent/Erratic
P046E	EGR Sensor 'B' Circuit Range/Performance
P046F	EGR Sensor 'B' Circuit Intermittent/Erratic
P0470	Exhaust Pressure Sensor 'A' Circuit
P0471	Exhaust Pressure Sensor 'A' Circuit Range/Performance
P0472	Exhaust Pressure Sensor 'A' Circuit Low
P0473	Exhaust Pressure Sensor 'A' Circuit High
P0474	Exhaust Pressure Sensor 'A' Circuit Intermittent/Erratic
P0475	Exhaust Pressure Control Valve 'A'
P0476	Exhaust Pressure Control Valve 'A' Range/Performance
P0477	Exhaust Pressure Control Valve 'A' Low
P0478	Exhaust Pressure Control Valve 'A' High
P0479	Exhaust Pressure Control Valve 'A' Intermittent
P047A	Exhaust Pressure Sensor 'B' Circuit
P047B	Exhaust Pressure Sensor 'B' Circuit Range/Performance
P047C	Exhaust Pressure Sensor 'B' Circuit Low
P047D	Exhaust Pressure Sensor 'B' Circuit High
P047E	Exhaust Pressure Sensor 'B' Circuit Intermittent/Erratic

P047F	Exhaust Pressure Control Valve 'A' Stuck Open
P0480	Fan 1 Control Circuit
P0481	Fan 2 Control Circuit
P0482	Fan 3 Control Circuit
P0483	Fan Rationality Check
P0484	Fan Circuit Current High
P0485	Fan Power/Ground Circuit
P0486	EGR Sensor 'B' Circuit
P0487	EGR Throttle Control Circuit 'A' /Open
P0488	EGR Throttle Control Circuit 'A' Range/Performance
P0489	EGR 'A' Control Circuit Low
P048A	Exhaust Pressure Control Valve 'A' Stuck Closed
P048B	Exhaust Pressure Control Valve 'A' Position Sensor/Switch Circuit
P048C	Exhaust Pressure Control Valve 'A' Position Sensor/Switch Circuit Range/Performance
P048D	Exhaust Pressure Control Valve 'A' Position Sensor/Switch Circuit Low
P048E	Exhaust Pressure Control Valve 'A' Position Sensor/Switch Circuit High
P048F	Exhaust Pressure Control Valve 'A' Position Sensor/Switch Circuit Intermittent/Erratic
P0490	EGR 'A' Control Circuit High
P0491	AIR System Insufficient Flow (Bank 1)
P0492	AIR System Insufficient Flow (Bank 2)
P0493	Fan Overspeed
P0494	Fan Speed Low
P0495	Fan Speed High
P0496	EVAP System High Purge Flow
P0497	EVAP System Low Purge Flow
P0498	EVAP System Vent Valve Control Circuit Low
P0499	EVAP System Vent Valve Control Circuit High
P049A	EGR 'B' Flow
P049B	EGR 'B' Flow Insufficient Detected
P049C	EGR 'B' Flow Excessive Detected
P049D	EGR 'A' Control Position Exceeded Learning Limit
P049E	EGR 'B' Control Position Exceeded Learning Limit
P049F	Exhaust Pressure Control Valve 'B'
P04A0	Exhaust Pressure Control Valve 'B' Range/Performance
P04A1	Exhaust Pressure Control Valve 'B' Low
P04A2	Exhaust Pressure Control Valve 'B' High
P04A3	Exhaust Pressure Control Valve 'B' Intermittent
P04A4	Exhaust Pressure Control Valve 'B' Stuck Open
P04A5	Exhaust Pressure Control Valve 'B' Stuck Closed
P04A6	Exhaust Pressure Control Valve 'B' Position Sensor/Switch Circuit
P04A7	Exhaust Pressure Control Valve 'B' Position Sensor/Switch Circuit Range/Performance
P04A8	Exhaust Pressure Control Valve 'B' Position Sensor/Switch Circuit Low
P04A9	Exhaust Pressure Control Valve 'B' Position Sensor/Switch Circuit High
P04AA	Exhaust Pressure Control Valve 'B' Position Sensor/Switch Circuit Intermittent/Erratic
P04AB	EVAP System Purge Control Valve 'B' Circuit/Open
P04AC	EVAP System Purge Control Valve 'B' Circuit Low
P04AD	EVAP System Purge Control Valve 'B' Circuit High
P04AE	EVAP System Purge Control Valve 'B' Performance/Stuck Open
P04AF	EVAP System Purge Control Valve 'B' Stuck Closed
P04B0	Refueling Vapor Control Valve Circuit/Open
P04B1	Refueling Vapor Control Valve Circuit Low
P04B2	Refueling Vapor Control Valve Circuit High
P04B3	Refueling Vapor Control Valve Stuck Performance/Stuck Open

P04B4	Refueling Vapor Control Valve Stuck Closed
P04B5	Fuel Fill Door Stuck Open
P04B6	Fuel Fill Door Stuck Closed
P04B7	Fuel Fill Door Position Sensor/Switch Circuit Intermittent/Erratic
P04B8	Fuel Fill Door Position Sensor/Switch Circuit
P04B9	Fuel Fill Door Position Sensor/Switch Circuit Low
P04BA	Fuel Fill Door Position Sensor/Switch Circuit High
P04BB	Fuel Fill Door Lock Control Circuit/Open
P04BC	Fuel Fill Door Lock Control Range/Performance
P04BD	Fuel Fill Door Lock Control Circuit Low
P04BE	Fuel Fill Door Lock Control Circuit High
P04BF	Fuel Fill Door Unlock Control Circuit/Open
P04C0	Fuel Fill Door Unlock Control Range/Performance
P04C1	Fuel Fill Door Unlock Control Circuit Low
P04C2	Fuel Fill Door Unlock Control Circuit High
P04C3	Fuel Fill Door Lock Position Sensor/Switch Circuit
P04C4	Fuel Fill Door Lock Position Sensor/Switch Circuit Range/Performance
P04C5	Fuel Fill Door Lock Position Sensor/Switch Circuit Low
P04C6	Fuel Fill Door Lock Position Sensor/Switch Circuit High
P04C7	Fuel Fill Door Lock Position Sensor/Switch Circuit Intermittent/Erratic
P04C8	Fuel Fill Door Open Request Sensor/Switch Circuit
P04C9	Fuel Fill Door Open Request Sensor/Switch Performance/Stuck Off
P04CA	Fuel Fill Door Open Request Sensor/Switch Circuit Low
P04CB	Fuel Fill Door Open Request Sensor/Switch Circuit High
P04CC	Fuel Fill Door Open Request Sensor/Switch Circuit Intermittent/Erratic
P04CD	Fuel Fill Door Open Request Sensor/Switch Stuck On
P04CE	EGR Temperature Sensor 'C' Circuit
P04CF	EGR Temperature Sensor 'C' Circuit Range/Performance
P04D0	EGR Temperature Sensor 'C' Circuit Low
P04D1	EGR Temperature Sensor 'C' Circuit High
P04D2	EGR Temperature Sensor 'C' Circuit Intermittent/Erratic
P04D3	Exhaust Brake Input Circuit
P04D4	Exhaust Brake Input Circuit Range/Performance
P04D5	Exhaust Brake Input Circuit Low
P04D6	Exhaust Brake Input Circuit High
P04D7	Exhaust Brake Input Circuit Intermittent/Erratic
P04D8	Excessive Time To Enter Closed Loop EGR Control
P04D9	Closed Loop EGR Control At Limit - Flow Too Low
P04DA	Closed Loop EGR Control At Limit - Flow Too High
P04DB	Crankcase Ventilation System Disconnected
P04DC	Fuel Fill Door Position Sensor/Switch Circuit Range/Performance
P04DD	Cold Start EGR 'A' Flow Insufficient Detected
P04DE	Cold Start EGR 'A' Flow Excessive Detected
P04DF	EVAP System Purge Control Valve 'A' Performance/Stuck Open
P04E0	EVAP System Purge Control Valve 'A' Stuck Closed
P04E1	Crankcase Ventilation Hose Connection Sensor Circuit
P04E2	Crankcase Ventilation Hose Connection Sensor Circuit Low
P04E3	Crankcase Ventilation Hose Connection Sensor Circuit High
P04E4	Crankcase Ventilation Hose Connection Sensor Circuit Intermittent/Erratic
P04E5	EGR Temperature Sensor 'D' Circuit
P04E6	EGR Temperature Sensor 'D' Circuit Range/Performance
P04E7	EGR Temperature Sensor 'D' Circuit Low
P04E8	EGR Temperature Sensor 'D' Circuit High

P04E9	EGR Temperature Sensor 'D' Circuit Intermittent/Erratic
P04EA	EVAP System Small Leak Detected - Fuel Tank Side
P04EB	EVAP System Small Leak Detected - Fresh Air Side
P04EC	EVAP System Large Leak Detected - Fuel Tank Side
P04ED	EVAP System Large Leak Detected - Fresh Air Side
P04EE	EVAP System Very Small Leak Detected - Fuel Tank Side
P04EF	EVAP System Very Small Leak Detected - Fresh Air Side
P04F0	EVAP System High Pressure Purge Line Performance
P04F1	EVAP System Low Pressure Purge Line Performance
P04F2	Catalyst Heater Supply Voltage Bank 1
P04F3	Catalyst Heater Supply Voltage Bank 2
P04F4	Catalyst Heater Circuit Low Bank 1
P04F5	Catalyst Heater Circuit Low Bank 2
P04F6	Catalyst Heater Circuit High Bank 1
P04F7	Catalyst Heater Circuit High Bank 2
P04F8	Catalyst Heater Circuit Intermittent Bank 1
P04F9	Catalyst Heater Circuit Intermittent Bank 2
P04FA	EGR 'A' Control Temperature Too High
P04FC	Crankcase Ventilation System Performance
P04FD	EGR Actuator 'A' Control Processor Performance
P0500	Vehicle Speed Sensor 'A' Circuit
P0501	Vehicle Speed Sensor 'A' Circuit Range/Performance
P0502	Vehicle Speed Sensor 'A' Circuit Low
P0503	Vehicle Speed Sensor 'A' Circuit Intermittent/Erratic/High
P0504	Brake Switch 'A'/'B' Correlation
P0505	Idle Control System
P0506	Idle Control System RPM Lower Than Expected
P0507	Idle Control System RPM Higher Than Expected
P0508	Idle Air Control System Circuit Low
P0509	Idle Air Control System Circuit High
P050A	Cold Start Idle Air Control System Performance
P050B	Cold Start Ignition Timing Performance
P050C	Cold Start Engine Coolant Temperature Performance
P050D	Cold Start Rough Idle
P050E	Cold Start Engine Exhaust Temperature Too Low
P050F	Brake Assist Vacuum Too Low
P0510	Closed Throttle Position Switch
P0511	Idle Air Control Circuit
P0512	Starter Request Circuit
P0513	Incorrect Immobilizer Key
P0514	Battery Temperature Sensor Circuit Range/Performance
P0515	Battery Temperature Sensor Circuit
P0516	Battery Temperature Sensor Circuit Low
P0517	Battery Temperature Sensor Circuit High
P0518	Idle Air Control Circuit Intermittent
P0519	Idle Air Control System Performance
P051A	Crankcase Pressure Sensor Circuit
P051B	Crankcase Pressure Sensor Circuit Range/Performance
P051C	Crankcase Pressure Sensor Circuit Low
P051D	Crankcase Pressure Sensor Circuit High
P051E	Crankcase Pressure Sensor Circuit Intermittent/Erratic
P051F	PCV Filter Restriction
P0520	Engine Oil Pressure Sensor/Switch 'A' Circuit

P0521	Engine Oil Pressure Sensor/Switch 'A' Range/Performance
P0522	Engine Oil Pressure Sensor/Switch 'A' Low
P0523	Engine Oil Pressure Sensor/Switch 'A' High
P0524	Engine Oil Pressure Too Low
P0525	Cruise Control Servo Control Circuit Range/Performance
P0526	Fan Speed Sensor Circuit
P0527	Fan Speed Sensor Circuit Range/Performance
P0528	Fan Speed Sensor Circuit No Signal
P0529	Fan Speed Sensor Circuit Intermittent
P052A	Cold Start 'A' Camshaft Position Timing Over-Advanced (Bank 1)
P052B	Cold Start 'A' Camshaft Position Timing Over-Retarded (Bank 1)
P052C	Cold Start 'A' Camshaft Position Timing Over-Advanced (Bank 2)
P052D	Cold Start 'A' Camshaft Position Timing Over-Retarded (Bank 2)
P052E	PCV Regulator Valve Performance
P052F	Glow Plug Control Module 1 System Voltage
P0530	A/C Refrigerant Pressure Sensor 'A' Circuit
P0531	A/C Refrigerant Pressure Sensor 'A' Circuit Range/Performance
P0532	A/C Refrigerant Pressure Sensor 'A' Circuit Low
P0533	A/C Refrigerant Pressure Sensor 'A' Circuit High
P0534	A/C Refrigerant Charge Loss
P0535	A/C Evaporator Temperature Sensor Circuit
P0536	A/C Evaporator Temperature Sensor Circuit Range/Performance
P0537	A/C Evaporator Temperature Sensor Circuit Low
P0538	A/C Evaporator Temperature Sensor Circuit High
P0539	A/C Evaporator Temperature Sensor Circuit Intermittent
P053A	PCV Heater Control Circuit/Open
P053B	PCV Heater Control Circuit Low
P053C	PCV Heater Control Circuit High
P053D	PCV Heater Performance
P053E	Crankcase Pressure Too High
P053F	Cold Start Fuel Pressure Performance Bank 1
P0540	Intake Air Heater 'A' Circuit
P0541	Intake Air Heater 'A' Circuit Low
P0542	Intake Air Heater 'A' Circuit High
P0543	Intake Air Heater 'A' Circuit Open
P0544	Exhaust Gas Temperature Sensor Circuit (Bank 1 Sensor 1)
P0545	Exhaust Gas Temperature Sensor Circuit Low (Bank 1 Sensor 1)
P0546	Exhaust Gas Temperature Sensor Circuit High (Bank 1 Sensor 1)
P0547	Exhaust Gas Temperature Sensor Circuit (Bank 2 Sensor 1)
P0548	Exhaust Gas Temperature Sensor Circuit Low (Bank 2 Sensor 1)
P0549	Exhaust Gas Temperature Sensor Circuit High (Bank 2 Sensor 1)
P054A	Cold Start 'B' Camshaft Position Timing Over-Advanced (Bank 1)
P054B	Cold Start 'B' Camshaft Position Timing Over-Retarded (Bank 1)
P054C	Cold Start 'B' Camshaft Position Timing Over-Advanced (Bank 2)
P054D	Cold Start 'B' Camshaft Position Timing Over-Retarded (Bank 2)
P054E	Idle Control System - Fuel Quantity Lower Than Expected
P054F	Idle Control System - Fuel Quantity Higher Than Expected
P0550	Power Steering Pressure Sensor/Switch Circuit
P0551	Power Steering Pressure Sensor/Switch Circuit Range/Performance
P0552	Power Steering Pressure Sensor/Switch Circuit Low
P0553	Power Steering Pressure Sensor/Switch Circuit High
P0554	Power Steering Pressure Sensor/Switch Circuit Intermittent
P0555	Brake Booster Pressure Sensor Circuit

P0556	Brake Booster Pressure Sensor Circuit Range/Performance
P0557	Brake Booster Pressure Sensor Circuit Low
P0558	Brake Booster Pressure Sensor Circuit High
P0559	Brake Booster Pressure Sensor Circuit Intermittent
P055A	Engine Oil Pressure Sensor/Switch 'B' Circuit
P055B	Engine Oil Pressure Sensor/Switch 'B' Range/Performance
P055C	Engine Oil Pressure Sensor/Switch 'B' Low
P055D	Engine Oil Pressure Sensor/Switch 'B' High
P055E	Oxygen Sensor Control Module System Voltage
P055F	Engine Oil Pressure Out of Range
P0560	System Voltage
P0561	System Voltage Unstable
P0562	System Voltage Low
P0563	System Voltage High
P0564	Cruise Control Multi-Function Input 'A' Circuit
P0565	Cruise Control 'On' Signal
P0566	Cruise Control 'Off' Signal
P0567	Cruise Control 'Resume' Signal
P0568	Cruise Control 'Set' Signal
P0569	Cruise Control 'Coast' Signal
P056A	Cruise Control 'Increase Distance' Signal
P056B	Cruise Control 'Decrease Distance' Signal
P056C	Cruise Control 'Cancel' Signal
P056D	Reductant Control Module System Voltage
P056E	Cold Start Turbocharger/Supercharger Boost Control 'A' Performance
P056F	Cold Start Turbocharger/Supercharger Boost Control 'B' Performance
P0570	Cruise Control 'Accelerate' Signal
P0571	Brake Switch 'A' Circuit
P0572	Brake Switch 'A' Circuit Low
P0573	Brake Switch 'A' Circuit High
P0574	Cruise Control System - Vehicle Speed Too High
P0575	Cruise Control Input Circuit
P0576	Cruise Control Input Circuit Low
P0577	Cruise Control Input Circuit High
P0578	Cruise Control Multi-Function Input 'A' Circuit Stuck
P0579	Cruise Control Multi-Function Input 'A' Circuit Range/Performance
P057A	Brake Pedal Position Sensor 'A' Circuit/Open
P057B	Brake Pedal Position Sensor 'A' Circuit Range/Performance
P057C	Brake Pedal Position Sensor 'A' Circuit Low
P057D	Brake Pedal Position Sensor 'A' Circuit High
P057E	Brake Pedal Position Sensor 'A' Circuit Intermittent/Erratic
P057F	Battery State of Charge 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
P058A	Battery Monitor Module Performance

P058B	Battery Monitor Module Current Monitoring Performance
P058C	Battery Monitor Module Temperature Monitoring Performance
P058D	Battery Monitor Module Voltage Monitoring Performance
P058E	Battery Monitor Module Temperature Too High
P058F	Battery Monitor Module Temperature Too Low
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
P059A	Active Grill Air Shutter 'A' Position Sensor Circuit
P059B	Active Grill Air Shutter 'A' Position Sensor Circuit Range/Performance
P059C	Active Grill Air Shutter 'A' Position Sensor Circuit High
P059D	Active Grill Air Shutter 'A' Position Sensor Circuit Low
P059E	Active Grill Air Shutter 'A' Position Sensor Circuit Intermittent
P059F	Active Grill Air Shutter 'A' Performance/Stuck Off
P05A0	Active Grill Air Shutter 'A' Stuck On
P05A1	Active Grill Air Shutter 'A' Position Sensor Minimum/Maximum Stop Performance
P05A2	Active Grill Air Shutter 'A' Control Circuit/Open
P05A3	Active Grill Air Shutter 'A' Control Circuit Range/Performance
P05A4	Active Grill Air Shutter 'A' Control Circuit High
P05A5	Active Grill Air Shutter 'A' Control Circuit Low
P05A6	Active Grill Air Shutter 'A' Supply Voltage Circuit/Open
P05A7	Active Grill Air Shutter 'A' Supply Voltage Circuit Low
P05A8	Active Grill Air Shutter 'A' Supply Voltage Circuit High
P05A9	Active Grill Air Shutter 'B' Position Sensor Circuit
P05AA	Active Grill Air Shutter 'B' Position Sensor Circuit Range/Performance
P05AB	Active Grill Air Shutter 'B' Position Sensor Circuit High
P05AC	Active Grill Air Shutter 'B' Position Sensor Circuit Low
P05AD	Active Grill Air Shutter 'B' Position Sensor Circuit Intermittent
P05AE	Active Grill Air Shutter 'B' Performance/Stuck Off
P05AF	Active Grill Air Shutter 'B' Stuck On
P05B0	Active Grill Air Shutter 'B' Position Sensor Minimum/Maximum Stop Performance
P05B1	Active Grill Air Shutter 'B' Control Circuit/Open
P05B2	Active Grill Air Shutter 'B' Control Circuit Range/Performance
P05B3	Active Grill Air Shutter 'B' Control Circuit High
P05B4	Active Grill Air Shutter 'B' Control Circuit Low
P05B5	Active Grill Air Shutter 'B' Supply Voltage Circuit/Open
P05B6	Active Grill Air Shutter 'B' Supply Voltage Circuit Low
P05B7	Active Grill Air Shutter 'B' Supply Voltage Circuit High
P05B8	Restraint Deployment Signal Circuit/Open
P05B9	Restraint Deployment Signal Circuit Low
P05BA	Restraint Deployment Signal Circuit High
P05BB	Restraints Deployed
P05BC	Stop-Start Mode Switch Circuit/Open
P05BD	Stop-Start Mode Switch Circuit Range/Performance
P05BE	Stop-Start Mode Switch Circuit Low
P05BF	Stop-Start Mode Switch Circuit High

P05C0	Active Grille Air Shutter Module 'A' Over Temperature
P05C1	Active Grille Air Shutter Module 'B' Over Temperature
P05C2	Engine Coolant Pressure Sensor Circuit
P05C3	Engine Coolant Pressure Sensor Circuit Range/Performance
P05C4	Engine Coolant Pressure Sensor Circuit Low
P05C5	Engine Coolant Pressure Sensor Circuit High
P05C6	Engine Coolant Pressure Sensor Circuit Intermittent/Erratic
P05C7	Economy Mode Switch Circuit/Open
P05C8	Economy Mode Switch Circuit Range/Performance
P05C9	Economy Mode Switch Circuit Low
P05CA	Economy Mode Switch Circuit High
P05CB	Vehicle Hardware Incompatibility
P05CC	Cold Start 'A' Camshaft Position Timing Performance (Bank 1)
P05CD	Cold Start 'A' Camshaft Position Timing Performance (Bank 2)
P05CE	Cold Start 'B' Camshaft Position Timing Performance (Bank 1)
P05CF	Cold Start 'B' Camshaft Position Timing Performance (Bank 2)
P05D0	Driver Mode Select Switch 'A' Circuit
P05D1	Driver Mode Select Switch 'A' Circuit Low
P05D2	Driver Mode Select Switch 'A' Circuit High
P05D3	Driver Mode Select Switch 'A' Range/Performance
P05D4	Driver Mode Select Switch 'B' Circuit
P05D5	Driver Mode Select Switch 'B' Circuit Low
P05D6	Driver Mode Select Switch 'B' Circuit High
P05D7	Driver Mode Select Switch 'B' Range/Performance
P05D8	PCV Regulator Valve Control Circuit/Open
P05D9	PCV Regulator Valve Control Circuit Low
P05DA	PCV Regulator Valve Control Circuit High
P05DB	Brake Pedal Position Sensor 'B' Circuit/Open
P05DC	Brake Pedal Position Sensor 'B' Circuit Range/Performance
P05DD	Brake Pedal Position Sensor 'B' Circuit Low
P05DE	Brake Pedal Position Sensor 'B' Circuit High
P05DF	Brake Pedal Position Sensor 'B' Circuit Intermittent/Erratic
P05E0	Brake Pedal Position Sensor 'A'/'B' Correlation
P05E1	A/C Refrigerant Pressure Sensor 'A' Circuit Intermittent/Erratic
P05E2	A/C Refrigerant Pressure Sensor 'B' Circuit Intermittent/Erratic
P05E3	Park Brake Sensor/Switch Circuit
P05E4	Park Brake Sensor/Switch Circuit Low
P05E5	Park Brake Sensor/Switch Circuit High
P05E6	Park Brake Sensor/Switch Circuit Range/Performance
P05E7	Park Brake Sensor/Switch Circuit Intermittent/Erratic
P05E8	Engine Oil Bypass Valve Control Circuit/Open
P05E9	Engine Oil Bypass Valve Control Circuit Low
P05EA	Engine Oil Bypass Valve Control Circuit High
P05EB	Cold Start SCR NOx Catalyst Inlet Temperature Too Low
P05EC	Cold Start Injection Timing Performance
P05ED	Reductant Heater Control Module Supply Voltage
P05EE	Reductant Pump Supply Voltage Circuit/Open
P05EF	Reductant Pump Supply Voltage Circuit Low
P05F0	Reductant Pump Supply Voltage Circuit High
P05F1	Reductant Pump Supply Voltage Circuit Stuck On
P05F2	Reductant Pump Supply Voltage Circuit Stuck Off
P05F3	Exhaust Aftertreatment Power Relay Control Circuit/Open
P05F4	Exhaust Aftertreatment Power Relay Control Circuit Low

P05F5	Exhaust Aftertreatment Power Relay Control Circuit High
P05F6	Exhaust Aftertreatment Power Relay Control Circuit Stuck On
P05F7	Exhaust Aftertreatment Power Relay Control Circuit Stuck Off
P05F8	Reductant Heater Control Module Performance
P05F9	Stop-Start Status Signal Circuit
P05FA	Stop-Start Status Signal Circuit Low
P05FB	Stop-Start Status Signal Circuit High
P05FC	Cold Start Fuel Pressure Performance Bank 2
P05FD	Turbocharger/Supercharger Boost Control 'A' Temperature Too High
P05FF	Brake Pressure Sensor / Brake Pedal Position Sensor Correlation
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	Control Module 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 'A' Circuit
P0616	Starter Relay 'A' Circuit Low
P0617	Starter Relay 'A' Circuit High
P0618	Alternative Fuel Control Module KAM Error
P0619	Alternative Fuel Control Module RAM/ROM Error
P061A	Internal Control Module Torque Performance
P061B	Internal Control Module Torque Calculation Performance
P061C	Internal Control Module Engine RPM Performance
P061D	Internal Control Module Engine Air Mass Performance
P061E	Internal Control Module Brake Signal Performance
P061F	Internal Control Module Throttle Actuator Controller Performance
P0620	Generator Control Circuit
P0621	Generator Lamp/L Terminal Circuit
P0622	Generator Field/F Terminal Circuit
P0623	Generator Lamp Control Circuit
P0624	Fuel Cap Lamp Control Circuit
P0625	Generator Field/F Terminal Circuit Low
P0626	Generator Field/F Terminal Circuit High
P0627	Fuel Pump 'A' Control Circuit/Open
P0628	Fuel Pump 'A' Control Circuit Low
P0629	Fuel Pump 'A' Control Circuit High
P062A	Fuel Pump 'A' Control Circuit Range/Performance

P062B	Internal Control Module Fuel Injector Control Performance
P062C	Internal Control Module Vehicle Speed Performance
P062D	Fuel Injector Driver Circuit Performance (Bank 1)
P062E	Fuel Injector Driver Circuit Performance (Bank 2)
P062F	Internal Control Module EEPROM Error
P0630	VIN Not Programmed or Incompatible - ECM/PCM
P0631	VIN Not Programmed or Incompatible - TCM
P0632	Odometer Not Programmed - ECM/PCM
P0633	Immobilizer Key Not Programmed - ECM/PCM
P0634	Control Module Internal Temperature 'A' 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 Bank 1
P063F	Auto Configuration Engine Coolant Temperature Input Not Present
P0640	Intake Air Heater Control Circuit
P0641	Sensor Reference Voltage 'A' Circuit/Open
P0642	Sensor Reference Voltage 'A' Circuit Low
P0643	Sensor Reference Voltage 'A' Circuit High
P0644	Driver Display Serial Communication Circuit
P0645	A/C Clutch Relay Control Circuit
P0646	A/C Clutch Relay Control Circuit Low
P0647	A/C Clutch Relay Control Circuit High
P0648	Immobilizer Lamp Control Circuit
P0649	Speed Control Lamp Control Circuit
P064A	Fuel Pump Control Module 'A'
P064B	PTO Control Module
P064C	Glow Plug Control Module 1
P064D	Internal Control Module O2 Sensor Processor Performance (Bank 1)
P064E	Internal Control Module O2 Sensor Processor Performance (Bank 2)
P064F	Unauthorized Software/Calibration Detected
P0650	MIL Control Circuit/Open
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/Open
P0655	Engine Hot Lamp Output Control Circuit
P0656	Fuel Level Output Circuit
P0657	Actuator Supply Voltage 'A' Circuit/Open
P0658	Actuator Supply Voltage 'A' Circuit Low
P0659	Actuator Supply Voltage 'A' Circuit High
P065A	Generator System Performance
P065B	Generator Control Circuit Range/Performance
P065C	Generator Mechanical Performance
P065D	Reductant System Malfunction Lamp Control Circuit
P065E	Intake Manifold Tuning Valve Performance (Bank 1)
P065F	Intake Manifold Tuning Valve Performance (Bank 2)

P0660	Intake Manifold Tuning Valve Control Circuit/Open (Bank 1)
P0661	Intake Manifold Tuning Valve Control Circuit Low (Bank 1)
P0662	Intake Manifold Tuning Valve Control Circuit High (Bank 1)
P0663	Intake Manifold Tuning Valve Control Circuit/Open (Bank 2)
P0664	Intake Manifold Tuning Valve Control Circuit Low (Bank 2)
P0665	Intake Manifold Tuning Valve Control Circuit High (Bank 2)
P0666	Control Module Internal Temperature Sensor 'A' Circuit
P0667	Control Module Internal Temperature Sensor 'A' Range/Performance
P0668	Control Module Internal Temperature Sensor 'A' Circuit Low
P0669	Control Module Internal Temperature Sensor 'A' Circuit High
P066A	Cylinder 1 Glow Plug Control Circuit Low
P066B	Cylinder 1 Glow Plug Control Circuit High
P066C	Cylinder 2 Glow Plug Control Circuit Low
P066D	Cylinder 2 Glow Plug Control Circuit High
P066E	Cylinder 3 Glow Plug Control Circuit Low
P066F	Cylinder 3 Glow Plug Control Circuit High
P0670	Glow Plug Control Module 1 Control Circuit/Open
P0671	Cylinder 1 Glow Plug Circuit/Open
P0672	Cylinder 2 Glow Plug Circuit/Open
P0673	Cylinder 3 Glow Plug Circuit/Open
P0674	Cylinder 4 Glow Plug Circuit/Open
P0675	Cylinder 5 Glow Plug Circuit/Open
P0676	Cylinder 6 Glow Plug Circuit/Open
P0677	Cylinder 7 Glow Plug Circuit/Open
P0678	Cylinder 8 Glow Plug Circuit/Open
P0679	Cylinder 9 Glow Plug Circuit/Open
P067A	Cylinder 4 Glow Plug Control Circuit Low
P067B	Cylinder 4 Glow Plug Control Circuit High
P067C	Cylinder 5 Glow Plug Control Circuit Low
P067D	Cylinder 5 Glow Plug Control Circuit High
P067E	Cylinder 6 Glow Plug Control Circuit Low
P067F	Cylinder 6 Glow Plug Control Circuit High
P0680	Cylinder 10 Glow Plug Circuit/Open
P0681	Cylinder 11 Glow Plug Circuit/Open
P0682	Cylinder 12 Glow Plug Circuit/Open
P0683	Glow Plug Control Module 1 to PCM Communication Circuit
P0684	Glow Plug Control Module 1 to PCM Communication Circuit Range/Performance
P0685	ECM/PCM Power Relay Control Circuit/Open
P0686	ECM/PCM Power Relay Control Circuit Low
P0687	ECM/PCM Power Relay Control Circuit High
P0688	ECM/PCM Power Relay Sense Circuit/Open
P0689	ECM/PCM Power Relay Sense Circuit Low
P068A	ECM/PCM Power Relay De-Energized Performance - Too Early
P068B	ECM/PCM Power Relay De-Energized Performance - Too Late
P068C	Cylinder 7 Glow Plug Control Circuit Low
P068D	Cylinder 7 Glow Plug Control Circuit High
P068E	Cylinder 8 Glow Plug Control Circuit Low
P068F	Cylinder 8 Glow Plug Control Circuit High
P0690	ECM/PCM Power Relay Sense Circuit High
P0691	Fan 1 Control Circuit Low
P0692	Fan 1 Control Circuit High
P0693	Fan 2 Control Circuit Low
P0694	Fan 2 Control Circuit High

P0695	Fan 3 Control Circuit Low
P0696	Fan 3 Control Circuit High
P0697	Sensor Reference Voltage 'C' Circuit/Open
P0698	Sensor Reference Voltage 'C' Circuit Low
P0699	Sensor Reference Voltage 'C' Circuit High
P069A	Cylinder 9 Glow Plug Control Circuit Low
P069B	Cylinder 9 Glow Plug Control Circuit High
P069C	Cylinder 10 Glow Plug Control Circuit Low
P069D	Cylinder 10 Glow Plug Control Circuit High
P069E	Fuel Pump Control Module Requested MIL Illumination
P069F	Throttle Actuator Control Lamp Control Circuit
P06A0	Variable A/C Compressor Control Circuit
P06A1	Variable A/C Compressor Control Circuit Low
P06A2	Variable A/C Compressor Control Circuit High
P06A3	Sensor Reference Voltage 'D' Circuit/Open
P06A4	Sensor Reference Voltage 'D' Circuit Low
P06A5	Sensor Reference Voltage 'D' Circuit High
P06A6	Sensor Reference Voltage 'A' Circuit Range/Performance
P06A7	Sensor Reference Voltage 'B' Circuit Range/Performance
P06A8	Sensor Reference Voltage 'C' Circuit Range/Performance
P06A9	Sensor Reference Voltage 'D' Circuit Range/Performance
P06AA	Control Module Internal Temperature 'B' Too High
P06AB	Control Module Internal Temperature Sensor 'B' Circuit
P06AC	Control Module Internal Temperature Sensor 'B' Range/Performance
P06AD	Control Module Internal Temperature Sensor 'B' Circuit Low
P06AE	Control Module Internal Temperature Sensor 'B' Circuit High
P06AF	Torque Management System - Forced Engine Shutdown
P06B0	Sensor Power Supply 'A' Circuit/Open
P06B1	Sensor Power Supply 'A' Circuit Low
P06B2	Sensor Power Supply 'A' Circuit High
P06B3	Sensor Power Supply 'B' Circuit/Open
P06B4	Sensor Power Supply 'B' Circuit Low
P06B5	Sensor Power Supply 'B' Circuit High
P06B6	Internal Control Module Knock/Combustion Vibration Sensor Processor 1 Performance
P06B7	Internal Control Module Knock/Combustion Vibration Sensor Processor 2 Performance
P06B8	Internal Control Module Non-Volatile Random Access Memory (NVRAM) Error
P06B9	Cylinder 1 Glow Plug Circuit Range/Performance
P06BA	Cylinder 2 Glow Plug Circuit Range/Performance
P06BB	Cylinder 3 Glow Plug Circuit Range/Performance
P06BC	Cylinder 4 Glow Plug Circuit Range/Performance
P06BD	Cylinder 5 Glow Plug Circuit Range/Performance
P06BE	Cylinder 6 Glow Plug Circuit Range/Performance
P06BF	Cylinder 7 Glow Plug Circuit Range/Performance
P06C0	Cylinder 8 Glow Plug Circuit Range/Performance
P06C1	Cylinder 9 Glow Plug Circuit Range/Performance
P06C2	Cylinder 10 Glow Plug Circuit Range/Performance
P06C3	Cylinder 11 Glow Plug Circuit Range/Performance
P06C4	Cylinder 12 Glow Plug Circuit Range/Performance
P06C5	Cylinder 1 Glow Plug Incorrect
P06C6	Cylinder 2 Glow Plug Incorrect
P06C7	Cylinder 3 Glow Plug Incorrect
P06C8	Cylinder 4 Glow Plug Incorrect
P06C9	Cylinder 5 Glow Plug Incorrect

P06CA	Cylinder 6 Glow Plug Incorrect
P06CB	Cylinder 7 Glow Plug Incorrect
P06CC	Cylinder 8 Glow Plug Incorrect
P06CD	Cylinder 9 Glow Plug Incorrect
P06CE	Cylinder 10 Glow Plug Incorrect
P06CF	Cylinder 11 Glow Plug Incorrect
P06D0	Cylinder 12 Glow Plug Incorrect
P06D1	Internal Control Module Ignition Coil Control Performance
P06D2	Sensor Reference Voltage 'E' Circuit/Open
P06D3	Sensor Reference Voltage 'E' Circuit Low
P06D4	Sensor Reference Voltage 'E' Circuit High
P06D5	Sensor Reference Voltage 'E' Circuit Range/Performance
P06D6	Sensor Reference Voltage 'F' Circuit/Open
P06D7	Sensor Reference Voltage 'F' Circuit Low
P06D8	Sensor Reference Voltage 'F' Circuit High
P06D9	Sensor Reference Voltage 'F' Circuit Range/Performance
P06DA	Engine Oil Pressure Control Circuit/Open
P06DB	Engine Oil Pressure Control Circuit Low
P06DC	Engine Oil Pressure Control Circuit High
P06DD	Engine Oil Pressure Control Circuit Performance/Stuck Off
P06DE	Engine Oil Pressure Control Circuit Stuck On
P06DF	Glow Plug Control Module 1 Memory Check Sum Error
P06E0	Cylinder 11 Glow Plug Control Circuit Low
P06E1	Cylinder 11 Glow Plug Control Circuit High
P06E2	Cylinder 12 Glow Plug Control Circuit Low
P06E3	Cylinder 12 Glow Plug Control Circuit High
P06E4	Control Module Wake-up Circuit Performance
P06E5	Glow Plug Control Module 1 Performance
P06E6	Sensor Power Supply 'C' Circuit/Open
P06E7	Sensor Power Supply 'C' Circuit Low
P06E8	Sensor Power Supply 'C' Circuit High
P06E9	Engine Starter Performance
P06EA	NOx Sensor Processor Performance, Bank 1 Sensor 1
P06EB	NOx Sensor Processor Performance, Bank 1 Sensor 2
P06EC	Fuel Injector Control Module Requested MIL Illumination
P06ED	Engine RPM Output Circuit Low
P06EE	Engine RPM Output Circuit High
P06EF	Engine Restart Performance
P06F0	Reductant Control Module Internal Temperature Sensor Circuit
P06F1	Reductant Control Module Internal Temperature Sensor Range/Performance
P06F2	Reductant Control Module Internal Temperature Sensor Circuit Low
P06F3	Reductant Control Module Internal Temperature Sensor Circuit High
P06F4	Stop-Start Mode Lamp Control Circuit
P06F5	Glow Plug Control Module 2
P06F6	Glow Plug Control Module 2 Control Circuit/Open
P06F7	Glow Plug Control Module 2 Control Circuit Low
P06F8	Glow Plug Control Module 2 Control Circuit High
P06F9	Glow Plug Control Module 2 System Voltage
P06FA	Glow Plug Control Module 2 Performance
P06FB	Glow Plug Control Module 2 Memory Checksum Error
P06FC	Glow Plug Control Module 2 to PCM Communication Circuit
P06FD	Glow Plug Control Module 2 to PCM Communication Circuit Range/Performance
P06FE	Cold Start Diesel Intake Air Flow Control Performance

P06FF	Economy Mode Lamp Control Circuit
P0700	Transmission Control System (MIL Request)
P0701	Transmission Control System Range/Performance
P0702	Transmission Control System Electrical
P0703	Brake Switch 'B' Circuit
P0704	Clutch Switch Input Circuit
P0705	Transmission Range Sensor 'A' Circuit (PRNDL Input)
P0706	Transmission Range Sensor 'A' Circuit Range/Performance
P0707	Transmission Range Sensor 'A' Circuit Low
P0708	Transmission Range Sensor 'A' Circuit High
P0709	Transmission Range Sensor 'A' Circuit Intermittent
P070A	Transmission Fluid Level Sensor Circuit
P070B	Transmission Fluid Level Sensor Circuit Range/Performance
P070C	Transmission Fluid Level Sensor Circuit Low
P070D	Transmission Fluid Level Sensor Circuit High
P070E	Transmission Fluid Level Sensor Circuit Intermittent/Erratic
P070F	Transmission Fluid Level Too Low
P0710	Transmission Fluid Temperature Sensor 'A' Circuit
P0711	Transmission Fluid Temperature Sensor 'A' Circuit Range/Performance
P0712	Transmission Fluid Temperature Sensor 'A' Circuit Low
P0713	Transmission Fluid Temperature Sensor 'A' Circuit High
P0714	Transmission Fluid Temperature Sensor 'A' Circuit Intermittent
P0715	Input/Turbine Shaft Speed Sensor 'A' Circuit
P0716	Input/Turbine Shaft Speed Sensor 'A' Circuit Range/Performance
P0717	Input/Turbine Shaft Speed Sensor 'A' Circuit No Signal
P0718	Input/Turbine Shaft Speed Sensor 'A' Circuit Intermittent
P0719	Brake Switch 'B' Circuit Low
P071A	Transmission Mode Switch 'A' Circuit
P071B	Transmission Mode Switch 'A' Circuit Low
P071C	Transmission Mode Switch 'A' Circuit High
P071D	Transmission Mode Switch 'B' Circuit
P071E	Transmission Mode Switch 'B' Circuit Low
P071F	Transmission Mode Switch 'B' Circuit High
P0720	Output Shaft Speed Sensor Circuit
P0721	Output Shaft Speed Sensor Circuit Range/Performance
P0722	Output Shaft Speed Sensor Circuit No Signal
P0723	Output Shaft Speed Sensor Circuit Intermittent
P0724	Brake Switch 'B' Circuit High
P0725	Engine Speed Input Circuit
P0726	Engine Speed Input Circuit Range/Performance
P0727	Engine Speed Input Circuit No Signal
P0728	Engine Speed Input Circuit Intermittent
P0729	Gear 6 Incorrect Ratio
P072A	Stuck in Neutral
P072B	Stuck in Reverse
P072C	Stuck in Gear 1
P072D	Stuck in Gear 2
P072E	Stuck in Gear 3
P072F	Stuck in Gear 4
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
P073A	Stuck in Gear 5
P073B	Stuck in Gear 6
P073C	Stuck in Gear 7
P073D	Unable to Engage Neutral
P073E	Unable to Engage Reverse
P073F	Unable to Engage Gear 1
P0740	Torque Converter Clutch Circuit/Open
P0741	Torque Converter Clutch Circuit Performance/Stuck Off
P0742	Torque Converter Clutch Circuit Stuck On
P0743	Torque Converter Clutch Circuit Electrical
P0744	Torque Converter Clutch Circuit Intermittent
P0745	Pressure Control Solenoid 'A'
P0746	Pressure Control Solenoid 'A' Performance/Stuck Off
P0747	Pressure Control Solenoid 'A' Stuck On
P0748	Pressure Control Solenoid 'A' Electrical
P0749	Pressure Control Solenoid 'A' Intermittent
P074A	Unable to Engage Gear 2
P074B	Unable to Engage Gear 3
P074C	Unable to Engage Gear 4
P074D	Unable to Engage Gear 5
P074E	Unable to Engage Gear 6
P074F	Unable to Engage Gear 7
P0750	Shift Solenoid 'A'
P0751	Shift Solenoid 'A' Performance/Stuck Off
P0752	Shift Solenoid 'A' Stuck On
P0753	Shift Solenoid 'A' Electrical
P0754	Shift Solenoid 'A' Intermittent
P0755	Shift Solenoid 'B'
P0756	Shift Solenoid 'B' Performance/Stuck Off
P0757	Shift Solenoid 'B' Stuck On
P0758	Shift Solenoid 'B' Electrical
P0759	Shift Solenoid 'B' Intermittent
P075A	Shift Solenoid 'G'
P075B	Shift Solenoid 'G' Performance/Stuck Off
P075C	Shift Solenoid 'G' Stuck On
P075D	Shift Solenoid 'G' Electrical
P075E	Shift Solenoid 'G' Intermittent
P075F	Transmission Fluid Level Too High
P0760	Shift Solenoid 'C'
P0761	Shift Solenoid 'C' Performance/Stuck Off
P0762	Shift Solenoid 'C' Stuck On
P0763	Shift Solenoid 'C' Electrical
P0764	Shift Solenoid 'C' Intermittent
P0765	Shift Solenoid 'D'
P0766	Shift Solenoid 'D' Performance/Stuck Off
P0767	Shift Solenoid 'D' Stuck On
P0768	Shift Solenoid 'D' Electrical

P0769	Shift Solenoid 'D' Intermittent
P076A	Shift Solenoid 'H'
P076B	Shift Solenoid 'H' Performance/Stuck Off
P076C	Shift Solenoid 'H' Stuck On
P076D	Shift Solenoid 'H' Electrical
P076E	Shift Solenoid 'H' Intermittent
P076F	Gear 7 Incorrect Ratio
P0770	Shift Solenoid 'E'
P0771	Shift Solenoid 'E' Performance/Stuck Off
P0772	Shift Solenoid 'E' Stuck On
P0773	Shift Solenoid 'E' Electrical
P0774	Shift Solenoid 'E' Intermittent
P0775	Pressure Control Solenoid 'B'
P0776	Pressure Control Solenoid 'B' Performance/Stuck Off
P0777	Pressure Control Solenoid 'B' Stuck On
P0778	Pressure Control Solenoid 'B' Electrical
P0779	Pressure Control Solenoid 'B' Intermittent
P077A	Output Shaft Speed Sensor Circuit - Loss of Direction Signal
P077B	Output Shaft Speed Sensor Circuit - Direction Error
P077C	Output Shaft Speed Sensor Circuit Low
P077D	Output Shaft Speed Sensor Circuit High
P077E	Transmission Fluid Temperature Measurement System - Multiple Sensor Correlation
P077F	Reverse 2 Incorrect Ratio
P0780	Shift Error
P0781	1-2 Shift
P0782	2-3 Shift
P0783	3-4 Shift
P0784	4-5 Shift
P0785	Shift Timing Solenoid 'A'
P0786	Shift Timing Solenoid 'A' Range/Performance
P0787	Shift Timing Solenoid 'A' Low
P0788	Shift Timing Solenoid 'A' High
P0789	Shift Timing Solenoid 'A' Intermittent
P078A	Shift Timing Solenoid 'B'
P078B	Shift Timing Solenoid 'B' Range/Performance
P078C	Shift Timing Solenoid 'B' Low
P078D	Shift Timing Solenoid 'B' High
P078E	Shift Timing Solenoid 'B' Intermittent
P078F	Transmission Mode Switch 'C' Circuit
P0790	Normal/Performance Switch Circuit
P0791	Intermediate Shaft Speed Sensor 'A' Circuit
P0792	Intermediate Shaft Speed Sensor 'A' Circuit Range/Performance
P0793	Intermediate Shaft Speed Sensor 'A' Circuit No Signal
P0794	Intermediate Shaft Speed Sensor 'A' Circuit Intermittent
P0795	Pressure Control Solenoid 'C'
P0796	Pressure Control Solenoid 'C' Performance/Stuck Off
P0797	Pressure Control Solenoid 'C' Stuck On
P0798	Pressure Control Solenoid 'C' Electrical
P0799	Pressure Control Solenoid 'C' Intermittent
P079A	Transmission Friction Element 'A' Slip Detected
P079B	Transmission Friction Element 'B' Slip Detected
P079C	Transmission Friction Element 'C' Slip Detected
P079D	Transmission Friction Element 'D' Slip Detected

P079E	Transmission Friction Element 'E' Slip Detected
P079F	Transmission Friction Element 'F' Slip Detected
P07A0	Transmission Friction Element 'G' Slip Detected
P07A1	Transmission Friction Element 'H' Slip Detected
P07A2	Transmission Friction Element 'A' Performance/Stuck Off
P07A3	Transmission Friction Element 'A' Stuck On
P07A4	Transmission Friction Element 'B' Performance/Stuck Off
P07A5	Transmission Friction Element 'B' Stuck On
P07A6	Transmission Friction Element 'C' Performance/Stuck Off
P07A7	Transmission Friction Element 'C' Stuck On
P07A8	Transmission Friction Element 'D' Performance/Stuck Off
P07A9	Transmission Friction Element 'D' Stuck On
P07AA	Transmission Friction Element 'E' Performance/Stuck Off
P07AB	Transmission Friction Element 'E' Stuck On
P07AC	Transmission Friction Element 'F' Performance/Stuck Off
P07AD	Transmission Friction Element 'F' Stuck On
P07AE	Transmission Friction Element 'G' Performance/Stuck Off
P07AF	Transmission Friction Element 'G' Stuck On
P07B0	Transmission Friction Element 'H' Performance/Stuck Off
P07B1	Transmission Friction Element 'H' Stuck On
P07B2	Transmission Park Position Sensor/Switch 'A' Circuit/Open
P07B3	Transmission Park Position Sensor/Switch 'A' Circuit Low
P07B4	Transmission Park Position Sensor/Switch 'A' Circuit High
P07B5	Transmission Park Position Sensor/Switch 'A' Circuit Performance/Low
P07B6	Transmission Park Position Sensor/Switch 'A' Circuit Performance High
P07B7	Transmission Park Position Sensor/Switch 'A' Circuit Intermittent/Erratic
P07B8	Transmission Park Position Sensor/Switch 'B' Circuit/Open
P07B9	Transmission Park Position Sensor/Switch 'B' Circuit Low
P07BA	Transmission Park Position Sensor/Switch 'B' Circuit High
P07BB	Transmission Park Position Sensor/Switch 'B' Circuit Performance/Low
P07BC	Transmission Park Position Sensor/Switch 'B' Circuit Performance High
P07BD	Transmission Park Position Sensor/Switch 'B' Circuit Intermittent/Erratic
P07BE	Transmission Park Position Sensor/Switch 'A'/'B' Correlation
P07BF	Input/Turbine Shaft Speed Sensor 'A' Circuit Low
P07C0	Input/Turbine Shaft Speed Sensor 'A' Circuit High
P07C1	Input/Turbine Shaft Speed Sensor 'B' Circuit Low
P07C2	Input/Turbine Shaft Speed Sensor 'B' Circuit High
P07C3	Input/Turbine Shaft Speed Sensor 'C' Circuit Low
P07C4	Input/Turbine Shaft Speed Sensor 'C' Circuit High
P07C5	Intermediate Shaft Speed Sensor 'A' Circuit Low
P07C6	Intermediate Shaft Speed Sensor 'A' Circuit High
P07C7	Intermediate Shaft Speed Sensor 'B' Circuit Low
P07C8	Intermediate Shaft Speed Sensor 'B' Circuit High
P07C9	Intermediate Shaft Speed Sensor 'C' Circuit Low
P07CA	Intermediate Shaft Speed Sensor 'C' Circuit High
P07CB	Transmission Fluid Thermostat Performance
P07CC	Transmission Mode Switch 'C' Circuit Low
P07CD	Transmission Mode Switch 'C' Circuit High
P07CE	Transmission Mode Switch 'D' Circuit
P07CF	Transmission Mode Switch 'D' Circuit Low
P07D0	Transmission Mode Switch 'D' Circuit High
P07D1	Transmission Mode Switch 'E' Circuit
P07D2	Transmission Mode Switch 'E' Circuit Low

P07D3	Transmission Mode Switch 'E' Circuit High
P07D4	Transmission Mode Switch 'F' Circuit
P07D5	Transmission Mode Switch 'F' Circuit Low
P07D6	Transmission Mode Switch 'F' Circuit High
P07D7	Stuck in Gear 8
P07D8	Unable To Engage Gear 8
P07D9	Gear 8 Incorrect Ratio
P07DA	6-7 Shift
P07DB	7-8 Shift
P07DC	Incorrect Shift from Gear 1
P07DD	Incorrect Shift from Gear 2
P07DE	Incorrect Shift from Gear 3
P07DF	Incorrect Shift from Gear 4
P07E0	Incorrect Shift from Gear 5
P07E1	Incorrect Shift from Gear 6
P07E2	Incorrect Shift from Gear 7
P07E3	Incorrect Shift from Gear 8
P07E4	Unable to Engage Park
P07E5	Unable to Engage Drive
P07E6	Stuck in Park
P07E7	Stuck in Drive
P07E8	Transmission Range Control 'A' Circuit/Open
P07E9	Transmission Range Control 'A' Circuit Performance
P07EA	Transmission Range Control 'A' Circuit Low
P07EB	Transmission Range Control 'A' Circuit High
P07EC	Transmission Range Multi-Function Select Circuit
P07ED	Transmission Range Multi-Function Select Circuit Stuck
P07EE	Transmission Range Multi-Function Select Circuit Range/Performance
P07EF	Transmission Range Multi-Function Select Circuit Low
P07F0	Transmission Range Multi-Function Select Circuit High
P07F1	Input/Turbine Shaft Speed Sensor 'C' Circuit
P07F2	Transmission Range Control Module Communication Circuit
P07F3	Transmission Range Control Module Communication Circuit Low
P07F4	Transmission Range Control Module Communication Circuit High
P07F5	Transmission Range Control Module System Voltage Low
P07F6	Gear 9 Incorrect Ratio
P07F7	Gear 10 Incorrect Ratio
P07F8	Stuck in Gear 9
P07F9	Unable to Engage Gear 9
P07FA	Incorrect Shift From Gear 9
P07FB	Stuck in Gear 10
P07FC	Unable to Engage Gear 10
P07FD	Incorrect Shift From Gear 10
P07FE	Stuck In Gear - Not Specified
P0800	Transfer Case Control System (MIL Request)
P0801	Reverse Inhibit Control Circuit/Open
P0802	Transmission Control System MIL Request Circuit/Open
P0803	Upshift/Skip Shift Solenoid Control Circuit
P0804	Upshift/Skip Shift Lamp Control Circuit
P0805	Clutch Position Sensor 'A' Circuit
P0806	Clutch Position Sensor 'A' Circuit Range/Performance
P0807	Clutch Position Sensor 'A' Circuit Low
P0808	Clutch Position Sensor 'A' Circuit High

P0809	Clutch Position Sensor 'A' Circuit Intermittent
P080A	Clutch Position Not Learned
P080B	Upshift/Skip Shift Solenoid Control Circuit Range/Performance
P080C	Upshift/Skip Shift Solenoid Control Circuit Low
P080D	Upshift/Skip Shift Solenoid Control Circuit High
P0810	Clutch Position Control Error
P0811	Excessive Clutch 'A' Slippage
P0812	Reverse Input Circuit
P0813	Reverse Output Circuit
P0814	Transmission Range Display Circuit
P0815	Upshift Switch Circuit
P0816	Downshift Switch Circuit
P0817	Starter Disable Circuit/Open
P0818	Driveline Disconnect Switch Input Circuit
P0819	Up and Down Shift Switch to Transmission Range Correlation
P081A	Starter Disable Circuit Low
P081B	Starter Disable Circuit High
P081C	Park Input Circuit
P081D	Neutral Input Circuit
P081E	Excessive Clutch 'B' Slippage
P081F	Brake Transmission Shift Interlock (BTSI) Signal Correlation
P0820	Gear Lever X-Y Position Sensor Circuit
P0821	Gear Lever X Position Sensor 1 Circuit
P0822	Gear Lever Y Position Sensor 1 Circuit
P0823	Gear Lever X Position Sensor 1 Circuit Intermittent/Erratic
P0824	Gear Lever Y Position Sensor 1 Circuit Intermittent/Erratic
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
P082A	Gear Lever X Position Sensor 1 Circuit Range/Performance
P082B	Gear Lever X Position Sensor 1 Circuit Low
P082C	Gear Lever X Position Sensor 1 Circuit High
P082D	Gear Lever Y Position Sensor 1 Circuit Range/Performance
P082E	Gear Lever Y Position Sensor 1 Circuit Low
P082F	Gear Lever Y Position Sensor 1 Circuit High
P0830	Clutch Pedal Switch 'A' Circuit
P0831	Clutch Pedal Switch 'A' Circuit Low
P0832	Clutch Pedal Switch 'A' Circuit High
P0833	Clutch Pedal Switch 'B' Circuit
P0834	Clutch Pedal Switch 'B' Circuit Low
P0835	Clutch Pedal Switch 'B' Circuit High
P0836	Four Wheel Drive (4WD) Switch Circuit
P0837	Four Wheel Drive (4WD) Switch Circuit Range/Performance
P0838	Four Wheel Drive (4WD) Switch Circuit Low
P0839	Four Wheel Drive (4WD) Switch Circuit High
P083A	Transmission Fluid Pressure Sensor/Switch 'G' Circuit
P083B	Transmission Fluid Pressure Sensor/Switch 'G' Circuit Range/Performance
P083C	Transmission Fluid Pressure Sensor/Switch 'G' Circuit Low
P083D	Transmission Fluid Pressure Sensor/Switch 'G' Circuit High
P083E	Transmission Fluid Pressure Sensor/Switch 'G' Circuit Intermittent
P083F	Clutch Pedal Switch 'A'/'B' Correlation

P0840	Transmission Fluid Pressure Sensor/Switch 'A' Circuit
P0841	Transmission Fluid Pressure Sensor/Switch 'A' Circuit Range/Performance
P0842	Transmission Fluid Pressure Sensor/Switch 'A' Circuit Low
P0843	Transmission Fluid Pressure Sensor/Switch 'A' Circuit High
P0844	Transmission Fluid Pressure Sensor/Switch 'A' Circuit Intermittent
P0845	Transmission Fluid Pressure Sensor/Switch 'B' Circuit
P0846	Transmission Fluid Pressure Sensor/Switch 'B' Circuit Range/Performance
P0847	Transmission Fluid Pressure Sensor/Switch 'B' Circuit Low
P0848	Transmission Fluid Pressure Sensor/Switch 'B' Circuit High
P0849	Transmission Fluid Pressure Sensor/Switch 'B' Circuit Intermittent
P084A	Transmission Fluid Pressure Sensor/Switch 'H' Circuit
P084B	Transmission Fluid Pressure Sensor/Switch 'H' Circuit Range/Performance
P084C	Transmission Fluid Pressure Sensor/Switch 'H' Circuit Low
P084D	Transmission Fluid Pressure Sensor/Switch 'H' Circuit High
P084E	Transmission Fluid Pressure Sensor/Switch 'H' Circuit Intermittent
P084F	Park/Neutral Switch Output Circuit
P0850	Park/Neutral Switch Input Circuit
P0851	Park/Neutral Switch Input Circuit Low
P0852	Park/Neutral Switch Input Circuit High
P0853	Drive Switch Input Circuit
P0854	Drive Switch Input Circuit Low
P0855	Drive Switch Input Circuit High
P0856	Traction Control Input Signal
P0857	Traction Control Input Signal Range/Performance
P0858	Traction Control Input Signal Low
P0859	Traction Control Input Signal High
P085A	Gear Shift Control Module 'B' Communication Circuit
P085B	Gear Shift Control Module 'B' Communication Circuit Low
P085C	Gear Shift Control Module 'B' Communication Circuit High
P085D	Gear Shift Control Module 'A' Performance
P085E	Gear Shift Control Module 'B' Performance
P085F	Up and Down Shift Switch Circuit Range/Performance
P0860	Gear Shift Control Module 'A' Communication Circuit
P0861	Gear Shift Control Module 'A' Communication Circuit Low
P0862	Gear Shift Control Module 'A' Communication Circuit High
P0863	TCM Communication Circuit
P0864	TCM Communication Circuit Range/Performance
P0865	TCM Communication Circuit Low
P0866	TCM Communication Circuit High
P0867	Transmission Fluid Pressure
P0868	Transmission Fluid Pressure Low
P0869	Transmission Fluid Pressure High
P086A	Neutral Position Sensor 'A' Circuit/Open
P086B	Neutral Position Sensor 'A' Range/Performance
P086C	Neutral Position Sensor 'A' Circuit Low
P086D	Neutral Position Sensor 'A' Circuit High
P086E	Neutral Position Sensor 'A' Circuit Intermittent/Erratic
P086F	Neutral Position Sensor 'A' Not Learned
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
P087A	Clutch Position Sensor 'B' Circuit
P087B	Clutch Position Sensor 'B' Circuit Range/Performance
P087C	Clutch Position Sensor 'B' Circuit Low
P087D	Clutch Position Sensor 'B' Circuit High
P087E	Clutch Position Sensor 'B' 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
P088A	Transmission Fluid Filter Deteriorated
P088B	Transmission Fluid Filter Very Deteriorated
P088C	Reverse Inhibit Control Circuit Low
P088D	Reverse Inhibit Control Circuit High
P088E	Planetary Gear Set Failure
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
P089A	Gear Lever X Position Sensor 2 Circuit
P089B	Gear Lever X Position Sensor 2 Circuit Range/Performance
P089C	Gear Lever X Position Sensor 2 Circuit Low
P089D	Gear Lever X Position Sensor 2 Circuit High
P089E	Gear Lever X Position Sensor 2 Circuit Intermittent/Erratic
P089F	Gear Lever Y Position Sensor 2 Circuit
P08A0	Gear Lever Y Position Sensor 2 Circuit Range/Performance
P08A1	Gear Lever Y Position Sensor 2 Circuit Low
P08A2	Gear Lever Y Position Sensor 2 Circuit High
P08A3	Gear Lever Y Position Sensor 2 Circuit Intermittent/Erratic
P08A4	Gear Lever X Position Sensor 1/2 Correlation
P08A5	Gear Lever Y Position Sensor 1/2 Correlation
P08A6	Gear Lever Position Sensor System - Multiple Sensor Correlation
P08A7	Clutch Pedal Position Sensor 'A' Circuit/Open
P08A8	Clutch Pedal Position Sensor 'A' Circuit Range/Performance
P08A9	Clutch Pedal Position Sensor 'A' Circuit Low
P08AA	Clutch Pedal Position Sensor 'A' Circuit High
P08AB	Clutch Pedal Position Sensor 'A' Circuit Intermittent/Erratic

P08AC	Clutch Pedal Position Not Learned
P08AD	Neutral Position Sensor 'B' Circuit/Open
P08AE	Neutral Position Sensor 'B' Circuit Range/Performance
P08AF	Neutral Position Sensor 'B' Circuit Low
P08B0	Neutral Position Sensor 'B' Circuit High
P08B1	Neutral Position Sensor 'B' Circuit Intermittent/Erratic
P08B2	Neutral Position Sensor 'A'/B' Correlation
P08B3	Neutral Position Sensor 'B' Not Learned
P08B4	Clutch Pedal Position Sensor 'B' Circuit/Open
P08B5	Clutch Pedal Position Sensor 'B' Circuit Range/Performance
P08B6	Clutch Pedal Position Sensor 'B' Circuit Low
P08B7	Clutch Pedal Position Sensor 'B' Circuit High
P08B8	Clutch Pedal Position Sensor 'B' Circuit Intermittent/Erratic
P08B9	Clutch Pedal Position Sensor 'A'/B' Correlation
P08BA	Pressure Control Solenoid 'L'
P08BB	Pressure Control Solenoid 'L' Performance/Stuck Off
P08BC	Pressure Control Solenoid 'L' Stuck On
P08BD	Pressure Control Solenoid 'L' Electrical
P08BE	Pressure Control Solenoid 'L' Intermittent
P08BF	Pressure Control Solenoid 'L' Control Circuit/Open
P08C0	Pressure Control Solenoid 'L' Control Circuit Range/Performance
P08C1	Pressure Control Solenoid 'L' Control Circuit Low
P08C2	Pressure Control Solenoid 'L' Control Circuit High
P08C3	Pressure Control Solenoid 'M'
P08C4	Pressure Control Solenoid 'M' Performance/Stuck Off
P08C5	Pressure Control Solenoid 'M' Stuck On
P08C6	Pressure Control Solenoid 'M' Electrical
P08C7	Pressure Control Solenoid 'M' Intermittent
P08C8	Pressure Control Solenoid 'M' Control Circuit/Open
P08C9	Pressure Control Solenoid 'M' Control Circuit Range/Performance
P08CA	Pressure Control Solenoid 'M' Control Circuit Low
P08CB	Pressure Control Solenoid 'M' Control Circuit High
P08CC	Shift Solenoid 'J'
P08CD	Shift Solenoid 'J' Performance/Stuck Off
P08CE	Shift Solenoid 'J' Stuck On
P08CF	Shift Solenoid 'J' Electrical
P08D0	Shift Solenoid 'J' Intermittent
P08D1	Shift Solenoid 'J' Control Circuit Range/Performance
P08D2	Shift Solenoid 'J' Control Circuit Low
P08D3	Shift Solenoid 'J' Control Circuit High
P08D4	Shift Solenoid 'J' Control Circuit/Open
P08D5	Shift Solenoid 'K'
P08D6	Shift Solenoid 'K' Performance/Stuck Off
P08D7	Shift Solenoid 'K' Stuck On
P08D8	Shift Solenoid 'K' Electrical
P08D9	Shift Solenoid 'K' Intermittent
P08DA	Shift Solenoid 'K' Control Circuit Range/Performance
P08DB	Shift Solenoid 'K' Control Circuit Low
P08DC	Shift Solenoid 'K' Control Circuit High
P08DD	Shift Solenoid 'K' Control Circuit/Open
P08DE	Shift Solenoid 'L'
P08DF	Shift Solenoid 'L' Performance/Stuck Off
P08E0	Shift Solenoid 'L' Stuck On

P08E1	Shift Solenoid 'L' Electrical
P08E2	Shift Solenoid 'L' Intermittent
P08E3	Shift Solenoid 'L' Control Circuit Range/Performance
P08E4	Shift Solenoid 'L' Control Circuit Low
P08E5	Shift Solenoid 'L' Control Circuit High
P08E6	Shift Solenoid 'L' Control Circuit/Open
P0900	Clutch 'A' Actuator Control Circuit/Open
P0901	Clutch 'A' Actuator Control Circuit Performance
P0902	Clutch 'A' Actuator Control Circuit Low
P0903	Clutch 'A' Actuator Control 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
P090A	Clutch 'B' Actuator Control Circuit/Open
P090B	Clutch 'B' Actuator Control Circuit Performance
P090C	Clutch 'B' Actuator Control Circuit Low
P090D	Clutch 'B' Actuator Control Circuit High
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/Actuator Control Circuit 'A' /Open
P0929	Gear Shift Lock Solenoid/Actuator Control Circuit 'A' Range/Performance
P092A	Gear Shift Lock Solenoid/Actuator Control Circuit 'B' /Open
P092B	Gear Shift Lock Solenoid/Actuator Control Circuit 'B' Range/Performance
P092C	Gear Shift Lock Solenoid/Actuator Control Circuit 'B' Low
P092D	Gear Shift Lock Solenoid/Actuator Control Circuit 'B' High
P0930	Gear Shift Lock Solenoid/Actuator Control Circuit 'A' Low
P0931	Gear Shift Lock Solenoid/Actuator Control Circuit 'A' 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
P093A	Hydraulic Accumulator Solenoid Circuit/Open
P093B	Hydraulic Accumulator Solenoid Circuit Low
P093C	Hydraulic Accumulator Solenoid Circuit High
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/Control Circuit/Open
P0946	Hydraulic Pump Relay/Control Circuit Range/Performance
P0947	Hydraulic Pump Relay/Control Circuit Low
P0948	Hydraulic Pump Relay/Control Circuit High
P0949	Auto Shift Manual Adaptive Learning Not Complete
P094A	Hydraulic Pump Driver Circuit Performance
P094B	Hydraulic Pump Stuck On
P094C	Hydraulic Pump Performance/Stuck Off
P094D	Hydraulic Pump Over Temperature
P094E	Hydraulic Pump Supply Voltage Circuit/Open
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
P097A	Shift Solenoid 'A' Control Circuit/Open
P097B	Shift Solenoid 'B' Control Circuit/Open
P097C	Shift Solenoid 'C' Control Circuit/Open
P097D	Shift Solenoid 'D' Control Circuit/Open

P097E	Shift Solenoid 'E' Control Circuit/Open
P097F	Shift Solenoid 'F' Control Circuit/Open
P0980	Shift Solenoid 'C' Control Circuit High
P0981	Shift Solenoid 'D' Control Circuit Range/Performance
P0982	Shift Solenoid 'D' Control Circuit Low
P0983	Shift Solenoid 'D' Control Circuit High
P0984	Shift Solenoid 'E' Control Circuit Range/Performance
P0985	Shift Solenoid 'E' Control Circuit Low
P0986	Shift Solenoid 'E' Control Circuit High
P0987	Transmission Fluid Pressure Sensor/Switch 'E' Circuit
P0988	Transmission Fluid Pressure Sensor/Switch 'E' Circuit Range/Performance
P0989	Transmission Fluid Pressure Sensor/Switch 'E' Circuit Low
P0990	Transmission Fluid Pressure Sensor/Switch 'E' Circuit High
P0991	Transmission Fluid Pressure Sensor/Switch 'E' Circuit Intermittent
P0992	Transmission Fluid Pressure Sensor/Switch 'F' Circuit
P0993	Transmission Fluid Pressure Sensor/Switch 'F' Circuit Range/Performance
P0994	Transmission Fluid Pressure Sensor/Switch 'F' Circuit Low
P0995	Transmission Fluid Pressure Sensor/Switch 'F' Circuit High
P0996	Transmission Fluid Pressure Sensor/Switch 'F' Circuit Intermittent
P0997	Shift Solenoid 'F' Control Circuit Range/Performance
P0998	Shift Solenoid 'F' Control Circuit Low
P0999	Shift Solenoid 'F' Control Circuit High
P099A	Shift Solenoid 'G' Control Circuit Range/Performance
P099B	Shift Solenoid 'G' Control Circuit Low
P099C	Shift Solenoid 'G' Control Circuit High
P099D	Shift Solenoid 'H' Control Circuit Range/Performance
P099E	Shift Solenoid 'H' Control Circuit Low
P099F	Shift Solenoid 'H' Control Circuit High
P09A0	Shift Solenoid 'G' Control Circuit/Open
P09A1	Shift Solenoid 'H' Control Circuit/Open
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 'A' Control Circuit/Open
P0A06	Motor Electronics Coolant Pump 'A' Control Circuit Low
P0A07	Motor Electronics Coolant Pump 'A' Control Circuit High
P0A08	DC/DC Converter Status Circuit
P0A09	DC/DC Converter Status Circuit Low
P0A0A	High Voltage System Interlock Circuit
P0A0B	High Voltage System Interlock Circuit Performance
P0A0C	High Voltage System Interlock Circuit Low
P0A0D	High Voltage System Interlock Circuit High
P0A0E	High Voltage System Interlock Circuit Intermittent
P0A0F	Engine failed to Start
P0A10	DC/DC Converter Status Circuit High
P0A11	DC/DC Converter Enable Circuit/Open
P0A12	DC/DC Converter Enable Circuit Low
P0A13	DC/DC Converter Enable Circuit High
P0A14	Engine Mount 'A' Control Circuit/Open
P0A15	Engine Mount 'A' Control Circuit Low
P0A16	Engine Mount 'A' Control Circuit High

P0A17	Motor Torque Sensor Circuit
P0A18	Motor Torque Sensor Circuit Range/Performance
P0A19	Motor Torque Sensor Circuit Low
P0A1A	Generator Control Module
P0A1B	Drive Motor 'A' Control Module
P0A1C	Drive Motor 'B' Control Module
P0A1D	Hybrid/EV Powertrain Control Module 'A'
P0A1E	Starter/Generator Control Module
P0A1F	Battery Energy Control Module
P0A20	Motor Torque Sensor Circuit High
P0A21	Motor Torque Sensor Circuit Intermittent
P0A22	Generator Torque Sensor Circuit
P0A23	Generator Torque Sensor Circuit Range/Performance
P0A24	Generator Torque Sensor Circuit Low
P0A25	Generator Torque Sensor Circuit High
P0A26	Generator Torque Sensor Circuit Intermittent
P0A27	Hybrid/EV Battery Power Off Circuit
P0A28	Hybrid/EV Battery Power Off Circuit Low
P0A29	Hybrid/EV 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/EV Battery Pack State of Charge Low
P0A7E	Hybrid/EV Battery Pack Over Temperature
P0A7F	Hybrid/EV Battery Pack Deterioration
P0A80	Replace Hybrid/EV Battery Pack

P0A81	Hybrid/EV Battery Pack Cooling Fan 1 Control Circuit/Open
P0A82	Hybrid/EV Battery Pack Cooling Fan 1 Performance/Stuck Off
P0A83	Hybrid/EV Battery Pack Cooling Fan 1 Stuck On
P0A84	Hybrid/EV Battery Pack Cooling Fan 1 Control Circuit Low
P0A85	Hybrid/EV Battery Pack Cooling Fan 1 Control Circuit High
P0A86	14 Volt Power Module Current Sensor 'A' Circuit
P0A87	14 Volt Power Module Current Sensor 'A' Circuit Range/Performance
P0A88	14 Volt Power Module Current Sensor 'A' Circuit Low
P0A89	14 Volt Power Module Current Sensor 'A' Circuit High
P0A8A	14 Volt Power Module Current Sensor 'A' 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 'A' Cooling System Performance
P0A94	DC/DC Converter 'A' Performance
P0A95	High Voltage Fuse 'A'
P0A96	Hybrid/EV Battery Pack Cooling Fan 2 Control Circuit/Open
P0A97	Hybrid/EV Battery Pack Cooling Fan 2 Performance/Stuck Off
P0A98	Hybrid/EV Battery Pack Cooling Fan 2 Stuck On
P0A99	Hybrid/EV Battery Pack Cooling Fan 2 Control Circuit Low
P0A9A	Hybrid/EV Battery Pack Cooling Fan 2 Control Circuit High
P0A9B	Hybrid/EV Battery Temperature Sensor 'A' Circuit
P0A9C	Hybrid/EV Battery Temperature Sensor 'A' Circuit Range/Performance
P0A9D	Hybrid/EV Battery Temperature Sensor 'A' Circuit Low
P0A9E	Hybrid/EV Battery Temperature Sensor 'A' Circuit High
P0A9F	Hybrid/EV Battery Temperature Sensor 'A' Circuit Intermittent/Erratic
P0AA0	Hybrid/EV Battery Positive Contactor Circuit
P0AA1	Hybrid/EV Battery Positive Contactor Circuit Stuck Closed
P0AA2	Hybrid/EV Battery Positive Contactor Circuit Stuck Open
P0AA3	Hybrid/EV Battery Negative Contactor Circuit
P0AA4	Hybrid/EV Battery Negative Contactor Circuit Stuck Closed
P0AA5	Hybrid/EV Battery Negative Contactor Circuit Stuck Open
P0AA6	Hybrid/EV Battery Voltage System Isolation Fault
P0AA7	Hybrid/EV Battery Voltage Isolation Sensor Circuit
P0AA8	Hybrid/EV Battery Voltage Isolation Sensor Circuit Range/Performance
P0AA9	Hybrid/EV Battery Voltage Isolation Sensor Circuit Low
P0AAA	Hybrid/EV Battery Voltage Isolation Sensor Circuit High
P0AAB	Hybrid/EV Battery Voltage Isolation Sensor Circuit Intermittent/Erratic
P0AAC	Hybrid/EV Battery Pack Air Temperature Sensor 'A' Circuit
P0AAD	Hybrid/EV Battery Pack Air Temperature Sensor 'A' Circuit Range/Performance
P0AAE	Hybrid/EV Battery Pack Air Temperature Sensor 'A' Circuit Low
P0AAF	Hybrid/EV Battery Pack Air Temperature Sensor 'A' Circuit High
P0AB0	Hybrid/EV Battery Pack Air Temperature Sensor 'A' Circuit Intermittent/Erratic
P0AB1	Hybrid/EV Battery Pack Air Temperature Sensor 'B' Circuit
P0AB2	Hybrid/EV Battery Pack Air Temperature Sensor 'B' Circuit Range/Performance
P0AB3	Hybrid/EV Battery Pack Air Temperature Sensor 'B' Circuit Low
P0AB4	Hybrid/EV Battery Pack Air Temperature Sensor 'B' Circuit High
P0AB5	Hybrid/EV 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/EV System Performance
P0ABA	Hybrid/EV Battery Pack Voltage Sense 'A' Circuit
P0ABB	Hybrid/EV Battery Pack Voltage Sense 'A' Circuit Range/Performance
P0ABC	Hybrid/EV Battery Pack Voltage Sense 'A' Circuit Low
P0ABD	Hybrid/EV Battery Pack Voltage Sense 'A' Circuit High
P0ABE	Hybrid/EV Battery Pack Voltage Sense 'A' Circuit Intermittent/Erratic
P0ABF	Hybrid/EV Battery Pack Current Sensor 'A' Circuit
P0AC0	Hybrid/EV Battery Pack Current Sensor 'A' Circuit Range/Performance
P0AC1	Hybrid/EV Battery Pack Current Sensor 'A' Circuit Low
P0AC2	Hybrid/EV Battery Pack Current Sensor 'A' Circuit High
P0AC3	Hybrid/EV Battery Pack Current Sensor 'A' Circuit Intermittent/Erratic
P0AC4	Hybrid/EV Powertrain Control Module Requested MIL Illumination
P0AC5	Hybrid/EV Battery Temperature Sensor 'B' Circuit
P0AC6	Hybrid/EV Battery Temperature Sensor 'B' Circuit Range/Performance
P0AC7	Hybrid/EV Battery Temperature Sensor 'B' Circuit Low
P0AC8	Hybrid/EV Battery Temperature Sensor 'B' Circuit High
P0AC9	Hybrid/EV Battery Temperature Sensor 'B' Circuit Intermittent/Erratic
P0ACA	Hybrid/EV Battery Temperature Sensor 'C' Circuit
P0ACB	Hybrid/EV Battery Temperature Sensor 'C' Circuit Range/Performance
P0ACC	Hybrid/EV Battery Temperature Sensor 'C' Circuit Low
P0ACD	Hybrid/EV Battery Temperature Sensor 'C' Circuit High
P0ACE	Hybrid/EV Battery Temperature Sensor 'C' Circuit intermittent/Erratic
P0ACF	Hybrid/EV Battery Pack Cooling Fan 3 Control Circuit/Open
P0AD0	Hybrid/EV Battery Pack Cooling Fan 3 Performance/Stuck Off
P0AD1	Hybrid/EV Battery Pack Cooling Fan 3 Stuck On
P0AD2	Hybrid/EV Battery Pack Cooling Fan 3 Control Circuit Low
P0AD3	Hybrid/EV Battery Pack Cooling Fan 3 Control Circuit High
P0AD4	Hybrid/EV Battery Pack Air Flow System Insufficient Air Flow
P0AD5	Hybrid/EV Battery Pack Air Flow Valve 'A' Control Circuit/Open
P0AD6	Hybrid/EV Battery Pack Air Flow Valve 'A' Control Circuit Range/Performance
P0AD7	Hybrid/EV Battery Pack Air Flow Valve 'A' Control Circuit Low
P0AD8	Hybrid/EV Battery Pack Air Flow Valve 'A' Control Circuit High
P0AD9	Hybrid/EV Battery Positive Contactor Control Circuit/Open
P0ADA	Hybrid/EV Battery Positive Contactor Control Circuit Range/Performance
P0ADB	Hybrid/EV Battery Positive Contactor Control Circuit Low
P0ADC	Hybrid/EV Battery Positive Contactor Control Circuit High
P0ADD	Hybrid/EV Battery Negative Contactor Control Circuit/Open
P0ADE	Hybrid/EV Battery Negative Contactor Control Circuit Range/Performance
P0ADF	Hybrid/EV Battery Negative Contactor Control Circuit Low
P0AE0	Hybrid/EV Battery Negative Contactor Control Circuit High
P0AE1	Hybrid/EV Battery Precharge Contactor Circuit
P0AE2	Hybrid/EV Battery Precharge Contactor Circuit Stuck Closed
P0AE3	Hybrid/EV Battery Precharge Contactor Circuit Stuck Open
P0AE4	Hybrid/EV Battery Precharge Contactor Control Circuit/Open
P0AE5	Hybrid/EV Battery Precharge Contactor Control Circuit Range/Performance
P0AE6	Hybrid/EV Battery Precharge Contactor Control Circuit Low
P0AE7	Hybrid/EV Battery Precharge Contactor Control Circuit High
P0AE8	Hybrid/EV Battery Temperature Sensor 'D' Circuit
P0AE9	Hybrid/EV Battery Temperature Sensor 'D' Circuit Range/Performance
P0AEA	Hybrid/EV Battery Temperature Sensor 'D' Circuit Low

P0AEB	Hybrid/EV Battery Temperature Sensor 'D' Circuit High
P0AEC	Hybrid/EV 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/EV Battery System Voltage
P0AF9	Hybrid/EV Battery System Voltage Unstable
P0AFA	Hybrid/EV Battery System Voltage Low
P0AFB	Hybrid/EV Battery System Voltage High
P0AFC	Hybrid/EV Battery Pack Sensor Module
P0AFD	Hybrid/EV Battery Pack Temperature Too Low
P0AFE	Hybrid/EV Battery System Voltage Too Low for Voltage Step Up Conversion
P0AFF	System Voltage Too Low for Voltage Step Down Conversion
P0B00	Electric/Auxiliary Transmission Fluid Pump Motor Phase U Current
P0B01	Electric/Auxiliary Transmission Fluid Pump Motor Phase U Current Low
P0B02	Electric/Auxiliary Transmission Fluid Pump Motor Phase U Current High
P0B03	Electric/Auxiliary Transmission Fluid Pump Motor Phase V Current
P0B04	Electric/Auxiliary Transmission Fluid Pump Motor Phase V Current Low
P0B05	Electric/Auxiliary Transmission Fluid Pump Motor Phase V Current High
P0B06	Electric/Auxiliary Transmission Fluid Pump Motor Phase W Current
P0B07	Electric/Auxiliary Transmission Fluid Pump Motor Phase W Current Low
P0B08	Electric/Auxiliary Transmission Fluid Pump Motor Phase W Current High
P0B09	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Supply Voltage Circuit/Open
P0B0A	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Supply Voltage Circuit Low
P0B0B	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Supply Voltage Circuit High
P0B0C	Electric/Auxiliary Transmission Fluid Pump 'A' Hydraulic Leakage
P0B0D	Electric/Auxiliary Transmission Fluid Pump Motor Control Module
P0B0E	Hybrid/EV Battery Pack Current Sensor 'B' Circuit
P0B0F	Hybrid/EV Battery Pack Current Sensor 'B' Circuit Range/Performance
P0B10	Hybrid/EV Battery Pack Current Sensor 'B' Circuit Low
P0B11	Hybrid/EV Battery Pack Current Sensor 'B' Circuit High
P0B12	Hybrid/EV Battery Pack Current Sensor 'B' Circuit Intermittent/Erratic
P0B13	Hybrid/EV Battery Pack Current Sensor 'A'/'B' Correlation
P0B14	Hybrid/EV Battery Pack Voltage Sense 'B' Circuit
P0B15	Hybrid/EV Battery Pack Voltage Sense 'B' Circuit Range/Performance
P0B16	Hybrid/EV Battery Pack Voltage Sense 'B' Circuit Low
P0B17	Hybrid/EV Battery Pack Voltage Sense 'B' Circuit High
P0B18	Hybrid/EV Battery Pack Voltage Sense 'B' Circuit Intermittent/Erratic
P0B19	Hybrid/EV Battery Pack Voltage Sense 'C' Circuit
P0B1A	Hybrid/EV Battery Pack Voltage Sense 'C' Circuit Range/Performance
P0B1B	Hybrid/EV Battery Pack Voltage Sense 'C' Circuit Low
P0B1C	Hybrid/EV Battery Pack Voltage Sense 'C' Circuit High
P0B1D	Hybrid/EV Battery Pack Voltage Sense 'C' Circuit Intermittent/Erratic
P0B1E	Hybrid/EV Battery Pack Voltage Sense 'D' Circuit
P0B1F	Hybrid/EV Battery Pack Voltage Sense 'D' Circuit Range/Performance

P0B20	Hybrid/EV Battery Pack Voltage Sense 'D' Circuit Low
P0B21	Hybrid/EV Battery Pack Voltage Sense 'D' Circuit High
P0B22	Hybrid/EV Battery Pack Voltage Sense 'D' Circuit Intermittent/Erratic
P0B23	Hybrid Battery 'A' Voltage
P0B24	Hybrid/EV Battery 'A' Voltage Unstable
P0B25	Hybrid/EV Battery 'A' Voltage Low
P0B26	Hybrid/EV Battery 'A' Voltage High
P0B27	Hybrid/EV Battery 'B' Voltage
P0B28	Hybrid/EV Battery 'B' Voltage Unstable
P0B29	Hybrid/EV Battery 'B' Voltage Low
P0B2A	Hybrid/EV Battery 'B' Voltage High
P0B2B	Hybrid/EV Battery 'C' Voltage
P0B2C	Hybrid/EV Battery 'C' Voltage Unstable
P0B2D	Hybrid/EV Battery 'C' Voltage Low
P0B2E	Hybrid/EV Battery 'C' Voltage High
P0B2F	Hybrid/EV Battery 'D' Voltage
P0B30	Hybrid/EV Battery 'D' Voltage Unstable
P0B31	Hybrid/EV Battery 'D' Voltage Low
P0B32	Hybrid/EV Battery 'D' Voltage High
P0B33	High Voltage Service Disconnect Circuit
P0B34	High Voltage Service Disconnect Circuit Performance
P0B35	High Voltage Service Disconnect Circuit Low
P0B36	High Voltage Service Disconnect Circuit High
P0B37	High Voltage Service Disconnect Open
P0B38	Motor Electronics Coolant Pump 'B' Control Circuit/Open
P0B39	Motor Electronics Coolant Pump 'B' Control Circuit Low
P0B3A	Motor Electronics Coolant Pump 'B' Control Circuit High
P0B3B	Hybrid/EV Battery Voltage Sense 'A' Circuit
P0B3C	Hybrid/EV Battery Voltage Sense 'A' Circuit Range/Performance
P0B3D	Hybrid/EV Battery Voltage Sense 'A' Circuit Low
P0B3E	Hybrid/EV Battery Voltage Sense 'A' Circuit High
P0B3F	Hybrid/EV Battery Voltage Sense 'A' Circuit Intermittent/Erratic
P0B40	Hybrid/EV Battery Voltage Sense 'B' Circuit
P0B41	Hybrid/EV Battery Voltage Sense 'B' Circuit Range/Performance
P0B42	Hybrid/EV Battery Voltage Sense 'B' Circuit Low
P0B43	Hybrid/EV Battery Voltage Sense 'B' Circuit High
P0B44	Hybrid/EV Battery Voltage Sense 'B' Circuit Intermittent/Erratic
P0B45	Hybrid/EV Battery Voltage Sense 'C' Circuit
P0B46	Hybrid/EV Battery Voltage Sense 'C' Circuit Range/Performance
P0B47	Hybrid/EV Battery Voltage Sense 'C' Circuit Low
P0B48	Hybrid/EV Battery Voltage Sense 'C' Circuit High
P0B49	Hybrid/EV Battery Voltage Sense 'C' Circuit Intermittent/Erratic
P0B4A	Hybrid/EV Battery Voltage Sense 'D' Circuit
P0B4B	Hybrid/EV Battery Voltage Sense 'D' Circuit Range/Performance
P0B4C	Hybrid/EV Battery Voltage Sense 'D' Circuit Low
P0B4D	Hybrid/EV Battery Voltage Sense 'D' Circuit High
P0B4E	Hybrid/EV Battery Voltage Sense 'D' Circuit Intermittent/Erratic
P0B4F	Hybrid/EV Battery Voltage Sense 'E' Circuit
P0B50	Hybrid/EV Battery Voltage Sense 'E' Circuit Range/Performance
P0B51	Hybrid/EV Battery Voltage Sense 'E' Circuit Low
P0B52	Hybrid/EV Battery Voltage Sense 'E' Circuit High
P0B53	Hybrid/EV Battery Voltage Sense 'E' Circuit Intermittent/Erratic
P0B54	Hybrid/EV Battery Voltage Sense 'F' Circuit

P0B55	Hybrid/EV Battery Voltage Sense 'F' Circuit Range/Performance
P0B56	Hybrid/EV Battery Voltage Sense 'F' Circuit Low
P0B57	Hybrid/EV Battery Voltage Sense 'F' Circuit High
P0B58	Hybrid/EV Battery Voltage Sense 'F' Circuit Intermittent/Erratic
P0B59	Hybrid/EV Battery Voltage Sense 'G' Circuit
P0B5A	Hybrid/EV Battery Voltage Sense 'G' Circuit Range/Performance
P0B5B	Hybrid/EV Battery Voltage Sense 'G' Circuit Low
P0B5C	Hybrid/EV Battery Voltage Sense 'G' Circuit High
P0B5D	Hybrid/EV Battery Voltage Sense 'G' Circuit Intermittent/Erratic
P0B5E	Hybrid/EV Battery Voltage Sense 'H' Circuit
P0B5F	Hybrid/EV Battery Voltage Sense 'H' Circuit Range/Performance
P0B60	Hybrid/EV Battery Voltage Sense 'H' Circuit Low
P0B61	Hybrid/EV Battery Voltage Sense 'H' Circuit High
P0B62	Hybrid/EV Battery Voltage Sense 'H' Circuit Intermittent/Erratic
P0B63	Hybrid/EV Battery Voltage Sense 'I' Circuit
P0B64	Hybrid/EV Battery Voltage Sense 'I' Circuit Range/Performance
P0B65	Hybrid/EV Battery Voltage Sense 'I' Circuit Low
P0B66	Hybrid/EV Battery Voltage Sense 'I' Circuit High
P0B67	Hybrid/EV Battery Voltage Sense 'I' Circuit Intermittent/Erratic
P0B68	Hybrid/EV Battery Voltage Sense 'J' Circuit
P0B69	Hybrid/EV Battery Voltage Sense 'J' Circuit Range/Performance
P0B6A	Hybrid/EV Battery Voltage Sense 'J' Circuit Low
P0B6B	Hybrid/EV Battery Voltage Sense 'J' Circuit High
P0B6C	Hybrid/EV Battery Voltage Sense 'J' Circuit Intermittent/Erratic
P0B6D	Hybrid/EV Battery Voltage Sense 'K' Circuit
P0B6E	Hybrid/EV Battery Voltage Sense 'K' Circuit Range/Performance
P0B6F	Hybrid/EV Battery Voltage Sense 'K' Circuit Low
P0B70	Hybrid/EV Battery Voltage Sense 'K' Circuit High
P0B71	Hybrid/EV Battery Voltage Sense 'K' Circuit Intermittent/Erratic
P0B72	Hybrid/EV Battery Voltage Sense 'L' Circuit
P0B73	Hybrid/EV Battery Voltage Sense 'L' Circuit Range/Performance
P0B74	Hybrid/EV Battery Voltage Sense 'L' Circuit Low
P0B75	Hybrid/EV Battery Voltage Sense 'L' Circuit High
P0B76	Hybrid/EV Battery Voltage Sense 'L' Circuit Intermittent/Erratic
P0B77	Hybrid/EV Battery Voltage Sense 'M' Circuit
P0B78	Hybrid/EV Battery Voltage Sense 'M' Circuit Range/Performance
P0B79	Hybrid/EV Battery Voltage Sense 'M' Circuit Low
P0B7A	Hybrid/EV Battery Voltage Sense 'M' Circuit High
P0B7B	Hybrid/EV Battery Voltage Sense 'M' Circuit Intermittent/Erratic
P0B7C	Hybrid/EV Battery Voltage Sense 'N' Circuit
P0B7D	Hybrid/EV Battery Voltage Sense 'N' Circuit Range/Performance
P0B7E	Hybrid/EV Battery Voltage Sense 'N' Circuit Low
P0B7F	Hybrid/EV Battery Voltage Sense 'N' Circuit High
P0B80	Hybrid/EV Battery Voltage Sense 'N' Circuit Intermittent/Erratic
P0B81	Hybrid/EV Battery Voltage Sense 'O' Circuit
P0B82	Hybrid/EV Battery Voltage Sense 'O' Circuit Range/Performance
P0B83	Hybrid/EV Battery Voltage Sense 'O' Circuit Low
P0B84	Hybrid/EV Battery Voltage Sense 'O' Circuit High
P0B85	Hybrid/EV Battery Voltage Sense 'O' Circuit Intermittent/Erratic
P0B86	Hybrid/EV Battery Voltage Sense 'P' Circuit
P0B87	Hybrid/EV Battery Voltage Sense 'P' Circuit Range/Performance
P0B88	Hybrid/EV Battery Voltage Sense 'P' Circuit Low
P0B89	Hybrid/EV Battery Voltage Sense 'P' Circuit High

P0B8A	Hybrid/EV Battery Voltage Sense 'P' Circuit Intermittent/Erratic
P0B8B	Hybrid/EV Battery Voltage Sense 'Q' Circuit
P0B8C	Hybrid/EV Battery Voltage Sense 'Q' Circuit Range/Performance
P0B8D	Hybrid/EV Battery Voltage Sense 'Q' Circuit Low
P0B8E	Hybrid/EV Battery Voltage Sense 'Q' Circuit High
P0B8F	Hybrid/EV Battery Voltage Sense 'Q' Circuit Intermittent/Erratic
P0B90	Hybrid/EV Battery Voltage Sense 'R' Circuit
P0B91	Hybrid/EV Battery Voltage Sense 'R' Circuit Range/Performance
P0B92	Hybrid/EV Battery Voltage Sense 'R' Circuit Low
P0B93	Hybrid/EV Battery Voltage Sense 'R' Circuit High
P0B94	Hybrid/EV Battery Voltage Sense 'R' Circuit Intermittent/Erratic
P0B95	Hybrid/EV Battery Voltage Sense 'S' Circuit
P0B96	Hybrid/EV Battery Voltage Sense 'S' Circuit Range/Performance
P0B97	Hybrid/EV Battery Voltage Sense 'S' Circuit Low
P0B98	Hybrid/EV Battery Voltage Sense 'S' Circuit High
P0B99	Hybrid/EV Battery Voltage Sense 'S' Circuit Intermittent/Erratic
P0B9A	Hybrid/EV Battery Voltage Sense 'T' Circuit
P0B9B	Hybrid/EV Battery Voltage Sense 'T' Circuit Range/Performance
P0B9C	Hybrid/EV Battery Voltage Sense 'T' Circuit Low
P0B9D	Hybrid/EV Battery Voltage Sense 'T' Circuit High
P0B9E	Hybrid/EV Battery Voltage Sense 'T' Circuit Intermittent/Erratic
P0B9F	Hybrid/EV Battery Voltage Sense 'U' Circuit
P0BA0	Hybrid/EV Battery Voltage Sense 'U' Circuit Range/Performance
P0BA1	Hybrid/EV Battery Voltage Sense 'U' Circuit Low
P0BA2	Hybrid/EV Battery Voltage Sense 'U' Circuit High
P0BA3	Hybrid/EV Battery Voltage Sense 'U' Circuit Intermittent/Erratic
P0BA4	Hybrid/EV Battery Voltage Sense 'V' Circuit
P0BA5	Hybrid/EV Battery Voltage Sense 'V' Circuit Range/Performance
P0BA6	Hybrid/EV Battery Voltage Sense 'V' Circuit Low
P0BA7	Hybrid/EV Battery Voltage Sense 'V' Circuit High
P0BA8	Hybrid/EV Battery Voltage Sense 'V' Circuit Intermittent/Erratic
P0BA9	Hybrid/EV Battery Voltage Sense 'W' Circuit
P0BAA	Hybrid/EV Battery Voltage Sense 'W' Circuit Range/Performance
P0BAB	Hybrid/EV Battery Voltage Sense 'W' Circuit Low
P0BAC	Hybrid/EV Battery Voltage Sense 'W' Circuit High
P0BAD	Hybrid/EV Battery Voltage Sense 'W' Circuit Intermittent/Erratic
P0BAE	Hybrid/EV Battery Voltage Sense 'X' Circuit
P0BAF	Hybrid/EV Battery Voltage Sense 'X' Circuit Range/Performance
P0BB0	Hybrid/EV Battery Voltage Sense 'X' Circuit Low
P0BB1	Hybrid/EV Battery Voltage Sense 'X' Circuit High
P0BB2	Hybrid/EV Battery Voltage Sense 'X' Circuit Intermittent/Erratic
P0BB3	Hybrid/EV Battery Voltage Sense 'Y' Circuit
P0BB4	Hybrid/EV Battery Voltage Sense 'Y' Circuit Range/Performance
P0BB5	Hybrid/EV Battery Voltage Sense 'Y' Circuit Low
P0BB6	Hybrid/EV Battery Voltage Sense 'Y' Circuit High
P0BB7	Hybrid/EV Battery Voltage Sense 'Y' Circuit Intermittent/Erratic
P0BB8	Hybrid/EV Battery Voltage Sense 'Z' Circuit
P0BB9	Hybrid/EV Battery Voltage Sense 'Z' Circuit Range/Performance
P0BBA	Hybrid/EV Battery Voltage Sense 'Z' Circuit Low
P0BBB	Hybrid/EV Battery Voltage Sense 'Z' Circuit High
P0BBC	Hybrid/EV Battery Voltage Sense 'Z' Circuit Intermittent/Erratic
P0BBD	Hybrid/EV Battery Pack Voltage Variation Exceeded Limit
P0BBE	Hybrid/EV Battery Pack Voltage Variation

P0BBF	Hybrid/EV Battery Pack Cooling Fan Supply Voltage Circuit/Open
P0BC0	Hybrid/EV Battery Pack Cooling Fan Supply Voltage Circuit Low
P0BC1	Hybrid/EV Battery Pack Cooling Fan Supply Voltage Circuit High
P0BC2	Hybrid/EV Battery Temperature Sensor 'E' Circuit
P0BC3	Hybrid/EV Battery Temperature Sensor 'E' Circuit Range/Performance
P0BC4	Hybrid/EV Battery Temperature Sensor 'E' Circuit Low
P0BC5	Hybrid/EV Battery Temperature Sensor 'E' Circuit High
P0BC6	Hybrid/EV Battery Temperature Sensor 'E' Circuit Intermittent/Erratic
P0BC7	Hybrid/EV Battery Pack Cooling Fan 1 Sense Circuit/Open
P0BC8	Hybrid/EV Battery Pack Cooling Fan 1 Sense Range/Performance
P0BC9	Hybrid/EV Battery Pack Cooling Fan 1 Sense Circuit Low
P0BCA	Hybrid/EV Battery Pack Cooling Fan 1 Sense Circuit High
P0BCB	Hybrid/EV Battery Pack Cooling Fan 1 Sense Circuit Intermittent/Erratic
P0BCC	Generator Inverter Temperature Sensor 'A' Circuit
P0BCD	Generator Inverter Temperature Sensor 'A' Circuit Range/Performance
P0BCE	Generator Inverter Temperature Sensor 'A' Circuit Low
P0BCF	Generator Inverter Temperature Sensor 'A' Circuit High
P0BD0	Generator Inverter Temperature Sensor 'A' Circuit Intermittent/Erratic
P0BD1	Drive Motor Inverter Temperature Sensor 'C' Circuit
P0BD2	Drive Motor Inverter Temperature Sensor 'C' Circuit Range/Performance
P0BD3	Drive Motor Inverter Temperature Sensor 'C' Circuit Low
P0BD4	Drive Motor Inverter Temperature Sensor 'C' Circuit High
P0BD5	Drive Motor Inverter Temperature Sensor 'C' Circuit Intermittent/Erratic
P0BD6	Drive Motor Inverter Temperature Sensor 'D' Circuit
P0BD7	Drive Motor Inverter Temperature Sensor 'D' Circuit Range/Performance
P0BD8	Drive Motor Inverter Temperature Sensor 'D' Circuit Low
P0BD9	Drive Motor Inverter Temperature Sensor 'D' Circuit High
P0BDA	Drive Motor Inverter Temperature Sensor 'D' Circuit Intermittent/Erratic
P0BDB	Drive Motor Inverter Temperature Sensor 'E' Circuit
P0BDC	Drive Motor Inverter Temperature Sensor 'E' Circuit Range/Performance
P0BDD	Drive Motor Inverter Temperature Sensor 'E' Circuit Low
P0BDE	Drive Motor Inverter Temperature Sensor 'E' Circuit High
P0BDF	Drive Motor Inverter Temperature Sensor 'E' Circuit Intermittent/Erratic
P0BE0	Drive Motor Inverter Temperature Sensor 'F' Circuit
P0BE1	Drive Motor Inverter Temperature Sensor 'F' Circuit Range/Performance
P0BE2	Drive Motor Inverter Temperature Sensor 'F' Circuit Low
P0BE3	Drive Motor Inverter Temperature Sensor 'F' Circuit High
P0BE4	Drive Motor Inverter Temperature Sensor 'F' Circuit Intermittent/Erratic
P0BE5	Drive Motor 'A' Phase U Current Sensor Circuit
P0BE6	Drive Motor 'A' Phase U Current Sensor Circuit Range/Performance
P0BE7	Drive Motor 'A' Phase U Current Sensor Circuit Low
P0BE8	Drive Motor 'A' Phase U Current Sensor Circuit High
P0BE9	Drive Motor 'A' Phase V Current Sensor Circuit
P0BEA	Drive Motor 'A' Phase V Current Sensor Circuit Range/Performance
P0BEB	Drive Motor 'A' Phase V Current Sensor Circuit Low
P0BEC	Drive Motor 'A' Phase V Current Sensor Circuit High
P0BED	Drive Motor 'A' Phase W Current Sensor Circuit
P0BEE	Drive Motor 'A' Phase W Current Sensor Circuit Range/Performance
P0BEF	Drive Motor 'A' Phase W Current Sensor Circuit Low
P0BF0	Drive Motor 'A' Phase W Current Sensor Circuit High
P0BF1	Drive Motor 'B' Phase U Current Sensor Circuit
P0BF2	Drive Motor 'B' Phase U Current Sensor Circuit Range/Performance
P0BF3	Drive Motor 'B' Phase U Current Sensor Circuit Low

P0BF4	Drive Motor 'B' Phase U Current Sensor Circuit High
P0BF5	Drive Motor 'B' Phase V Current Sensor Circuit
P0BF6	Drive Motor 'B' Phase V Current Sensor Circuit Range/Performance
P0BF7	Drive Motor 'B' Phase V Current Sensor Circuit Low
P0BF8	Drive Motor 'B' Phase V Current Sensor Circuit High
P0BF9	Drive Motor 'B' Phase W Current Sensor Circuit
P0BFA	Drive Motor 'B' Phase W Current Sensor Circuit Range/Performance
P0BFB	Drive Motor 'B' Phase W Current Sensor Circuit Low
P0BFC	Drive Motor 'B' Phase W Current Sensor Circuit High
P0BFD	Drive Motor 'A' Phase U-V-W Current Sensor Correlation
P0BFE	Drive Motor 'B' Phase U-V-W Current Sensor Correlation
P0BFF	Drive Motor 'A' Current
P0C00	Drive Motor 'A' Current Low
P0C01	Drive Motor 'A' Current High
P0C02	Drive Motor 'B' Current
P0C03	Drive Motor 'B' Current Low
P0C04	Drive Motor 'B' Current High
P0C05	Drive Motor 'A' Phase U-V-W Circuit/Open
P0C06	Drive Motor 'A' Phase U-V-W Circuit Low
P0C07	Drive Motor 'A' Phase U-V-W Circuit High
P0C08	Drive Motor 'B' Phase U-V-W Circuit/Open
P0C09	Drive Motor 'B' Phase U-V-W Circuit Low
P0C0A	Drive Motor 'B' Phase U-V-W Circuit High
P0C0B	Drive Motor 'A' Inverter Power Supply Circuit/Open
P0C0C	Drive Motor 'A' Inverter Power Supply Circuit Low
P0C0D	Drive Motor 'A' Inverter Power Supply Circuit High
P0C0E	Drive Motor 'B' Inverter Power Supply Circuit/Open
P0C0F	Drive Motor 'B' Inverter Power Supply Circuit Low
P0C10	Drive Motor 'B' Inverter Power Supply Circuit High
P0C11	Drive Motor 'A' Inverter Phase U Over Temperature
P0C12	Drive Motor 'A' Inverter Phase V Over Temperature
P0C13	Drive Motor 'A' Inverter Phase W Over Temperature
P0C14	Drive Motor 'B' Inverter Phase U Over Temperature
P0C15	Drive Motor 'B' Inverter Phase V Over Temperature
P0C16	Drive Motor 'B' Inverter Phase W Over Temperature
P0C17	Drive Motor 'A' Position Sensor Not Learned
P0C18	Drive Motor 'B' Position Sensor Not Learned
P0C19	Drive Motor 'A' Torque Delivered Performance
P0C1A	Drive Motor 'B' Torque Delivered Performance
P0C1B	Electric/Auxiliary Transmission Fluid Pump Control Module Internal Temperature Too high
P0C1C	Electric/Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit
P0C1D	Electric/Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit Range/Performance
P0C1E	Electric/Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit Low
P0C1F	Electric/Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit High
P0C20	Electric/Auxiliary Transmission Fluid Pump Phase U-V-W Circuit/Open
P0C21	Electric/Auxiliary Transmission Fluid Pump Phase U-V-W Circuit Low
P0C22	Electric/Auxiliary Transmission Fluid Pump Phase U-V-W Circuit High
P0C23	Electric/Auxiliary Transmission Fluid Pump Control Module Circuit/Open
P0C24	Electric/Auxiliary Transmission Fluid Pump Control Module Circuit Low
P0C25	Electric/Auxiliary Transmission Fluid Pump Control Module Circuit High
P0C26	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Current
P0C27	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Current Low
P0C28	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Current High

P0C29	Electric/Auxiliary Transmission Fluid Pump 'A' Driver Circuit Performance
P0C2A	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Stalled
P0C2B	Electric/Auxiliary Transmission Fluid Pump Control Module Feedback Signal
P0C2C	Electric/Auxiliary Transmission Fluid Pump Control Module Feedback Signal Range/Performance
P0C2D	Electric/Auxiliary Transmission Fluid Pump Control Module Feedback Signal Low
P0C2E	Electric/Auxiliary Transmission Fluid Pump Control Module Feedback Signal High
P0C2F	Internal Control Module Drive Motor/Generator - Engine Speed Sensor Performance
P0C30	Hybrid/EV Battery Pack State of Charge High
P0C31	Inverter 'B' Cooling System Performance
P0C32	Hybrid/EV Battery Cooling System Performance
P0C33	Hybrid/EV Battery Temperature Sensor 'F' Circuit
P0C34	Hybrid/EV Battery Temperature Sensor 'F' Circuit Range/Performance
P0C35	Hybrid/EV Battery Temperature Sensor 'F' Circuit Low
P0C36	Hybrid/EV Battery Temperature Sensor 'F' Circuit High
P0C37	Hybrid/EV Battery Temperature Sensor 'F' Circuit Intermittent/Erratic
P0C38	DC/DC Converter Temperature Sensor 'A' Circuit
P0C39	DC/DC Converter Temperature Sensor 'A' Range/Performance
P0C3A	DC/DC Converter Temperature Sensor 'A' Low
P0C3B	DC/DC Converter Temperature Sensor 'A' High
P0C3C	DC/DC Converter Temperature Sensor 'A' Intermittent/Erratic
P0C3D	DC/DC Converter Temperature Sensor 'B' Circuit
P0C3E	DC/DC Converter Temperature Sensor 'B' Range/Performance
P0C3F	DC/DC Converter Temperature Sensor 'B' Low
P0C40	DC/DC Converter Temperature Sensor 'B' High
P0C41	DC/DC Converter Temperature Sensor 'B' Intermittent/Erratic
P0C42	Hybrid/EV Battery Pack Coolant Temperature Sensor 'A' Circuit
P0C43	Hybrid/EV Battery Pack Coolant Temperature Sensor 'A' Circuit Range/Performance
P0C44	Hybrid/EV Battery Pack Coolant Temperature Sensor 'A' Circuit Low
P0C45	Hybrid/EV Battery Pack Coolant Temperature Sensor 'A' Circuit High
P0C46	Hybrid/EV Battery Pack Coolant Temperature Sensor 'A' Circuit Intermittent/Erratic
P0C47	Hybrid/EV Battery Pack Coolant Pump 'A' Control Circuit/Open
P0C48	Hybrid/EV Battery Pack Coolant Pump 'A' Control Circuit Low
P0C49	Hybrid/EV Battery Pack Coolant Pump 'A' Control Circuit High
P0C4A	Hybrid/EV Battery Pack Coolant Pump 'A' Control Performance
P0C4B	Hybrid/EV Battery Pack Coolant Pump Supply Voltage Circuit/Open
P0C4C	Hybrid/EV Battery Pack Coolant Pump Supply Voltage Circuit Low
P0C4D	Hybrid/EV Battery Pack Coolant Pump Supply Voltage Circuit High
P0C4E	Drive Motor 'A' Position Exceeded Learning Limit
P0C4F	Drive Motor 'B' Position Exceeded Learning Limit
P0C50	Drive Motor 'A' Position Sensor Circuit 'A'
P0C51	Drive Motor 'A' Position Sensor Circuit 'A' Range/Performance
P0C52	Drive Motor 'A' Position Sensor Circuit 'A' Low
P0C53	Drive Motor 'A' Position Sensor Circuit 'A' High
P0C54	Drive Motor 'A' Position Sensor Circuit 'A' Intermittent/Erratic
P0C55	Drive Motor 'B' Position Sensor Circuit 'A'
P0C56	Drive Motor 'B' Position Sensor Circuit 'A' Range/Performance
P0C57	Drive Motor 'B' Position Sensor Circuit 'A' Low
P0C58	Drive Motor 'B' Position Sensor Circuit 'A' High
P0C59	Drive Motor 'B' Position Sensor Circuit 'A' Intermittent/Erratic
P0C5A	Drive Motor 'A' Position Sensor Circuit 'B'
P0C5B	Drive Motor 'A' Position Sensor Circuit 'B' Range/Performance
P0C5C	Drive Motor 'A' Position Sensor Circuit 'B' Low
P0C5D	Drive Motor 'A' Position Sensor Circuit 'B' High

P0C5E	Drive Motor 'A' Position Sensor Circuit 'B' Intermittent/Erratic
P0C5F	Drive Motor 'B' Position Sensor Circuit 'B'
P0C60	Drive Motor 'B' Position Sensor Circuit 'B' Range/Performance
P0C61	Drive Motor 'B' Position Sensor Circuit 'B' Low
P0C62	Drive Motor 'B' Position Sensor Circuit 'B' High
P0C63	Drive Motor 'B' Position Sensor Circuit 'B' Intermittent/Erratic
P0C64	Generator Position Sensor Circuit 'A'
P0C65	Generator Position Sensor Circuit 'A' Range/Performance
P0C66	Generator Position Sensor Circuit 'A' Low
P0C67	Generator Position Sensor Circuit 'A' High
P0C68	Generator Position Sensor Circuit 'A' Intermittent/Erratic
P0C69	Generator Position Sensor Circuit 'B'
P0C6A	Generator Position Sensor Circuit 'B' Range/Performance
P0C6B	Generator Position Sensor Circuit 'B' Low
P0C6C	Generator Position Sensor Circuit 'B' High
P0C6D	Generator Position Sensor Circuit 'B' Intermittent/Erratic
P0C6E	Hybrid/EV Battery Temperature Sensor 'A'/'B' Correlation
P0C6F	Hybrid/EV Battery Temperature Sensor 'B'/'C' Correlation
P0C70	Hybrid/EV Battery Temperature Sensor 'C'/'D' Correlation
P0C71	Hybrid/EV Battery Temperature Sensor 'D'/'E' Correlation
P0C72	Hybrid/EV Battery Temperature Sensor 'E'/'F' Correlation
P0C73	Motor Electronics Coolant Pump 'A' Control Performance
P0C74	Motor Electronics Coolant Pump 'B' Control Performance
P0C75	Hybrid/EV Battery System Discharge Time Too Short
P0C76	Hybrid/EV Battery System Discharge Time Too Long
P0C77	Hybrid/EV Battery System Precharge Time Too Short
P0C78	Hybrid/EV Battery System Precharge Time Too Long
P0C79	Drive Motor 'A' Inverter Voltage Too High
P0C7A	Drive Motor 'B' Inverter Voltage Too High
P0C7B	Generator Inverter Voltage Too High
P0C7C	Hybrid/EV Battery Temperature Sensor 'G' Circuit
P0C7D	Hybrid/EV Battery Temperature Sensor 'G' Circuit Range/Performance
P0C7E	Hybrid/EV Battery Temperature Sensor 'G' Circuit Low
P0C7F	Hybrid/EV Battery Temperature Sensor 'G' Circuit High
P0C80	Hybrid/EV Battery Temperature Sensor 'G' Circuit Intermittent/Erratic
P0C81	Hybrid/EV Battery Temperature Sensor 'H' Circuit
P0C82	Hybrid/EV Battery Temperature Sensor 'H' Circuit Range/Performance
P0C83	Hybrid/EV Battery Temperature Sensor 'H' Circuit Low
P0C84	Hybrid/EV Battery Temperature Sensor 'H' Circuit High
P0C85	Hybrid/EV Battery Temperature Sensor 'H' Circuit Intermittent/Erratic
P0C86	Hybrid/EV Battery Temperature Sensor 'F'/'G' Correlation
P0C87	Hybrid/EV Battery Temperature Sensor 'G'/'H' Correlation
P0C88	Hybrid/EV Battery Temperature Sensor 'I' Circuit
P0C89	Hybrid/EV Battery Temperature Sensor 'I' Circuit Range/Performance
P0C8A	Hybrid/EV Battery Temperature Sensor 'I' Circuit Low
P0C8B	Hybrid/EV Battery Temperature Sensor 'I' Circuit High
P0C8C	Hybrid/EV Battery Temperature Sensor 'I' Circuit Intermittent/Erratic
P0C8D	Hybrid/EV Battery Temperature Sensor 'J' Circuit
P0C8E	Hybrid/EV Battery Temperature Sensor 'J' Circuit Range/Performance
P0C8F	Hybrid/EV Battery Temperature Sensor 'J' Circuit Low
P0C90	Hybrid/EV Battery Temperature Sensor 'J' Circuit High
P0C91	Hybrid/EV Battery Temperature Sensor 'J' Circuit Intermittent/Erratic
P0C92	Hybrid/EV Battery Temperature Sensor 'K' Circuit

P0C93	Hybrid/EV Battery Temperature Sensor 'K' Circuit Range/Performance
P0C94	Hybrid/EV Battery Temperature Sensor 'K' Circuit Low
P0C95	Hybrid/EV Battery Temperature Sensor 'K' Circuit High
P0C96	Hybrid/EV Battery Temperature Sensor 'K' Circuit Intermittent/Erratic
P0C97	Hybrid/EV Battery Temperature Sensor 'L' Circuit
P0C98	Hybrid/EV Battery Temperature Sensor 'L' Circuit Range/Performance
P0C99	Hybrid/EV Battery Temperature Sensor 'L' Circuit Low
P0C9A	Hybrid/EV Battery Temperature Sensor 'L' Circuit High
P0C9B	Hybrid/EV Battery Temperature Sensor 'L' Circuit Intermittent/Erratic
P0C9C	14 Volt Power Module Current Sensor 'B' Circuit
P0C9D	14 Volt Power Module Current Sensor 'B' Circuit Range/Performance
P0C9E	14 Volt Power Module Current Sensor 'B' Circuit Low
P0C9F	14 Volt Power Module Current Sensor 'B' Circuit High
P0CA0	14 Volt Power Module Current Sensor 'B' Circuit Intermittent
P0CA1	Drive Motor Control Module Requested MIL Illumination
P0CA2	DC/DC Converter Step Down Voltage Performance
P0CA3	DC/DC Converter Step Up Voltage Performance
P0CA4	Hybrid/EV Battery Charging Voltage High
P0CA5	Hybrid/EV Battery Discharging Voltage High
P0CA6	Hybrid/EV Battery Charging Current High
P0CA7	Hybrid/EV Battery Discharging Current High
P0CA8	Hybrid/EV Battery Temperature Sensor 'M' Circuit
P0CA9	Hybrid/EV Battery Temperature Sensor 'M' Circuit Range/Performance
P0CAA	Hybrid/EV Battery Temperature Sensor 'M' Circuit Low
P0CAB	Hybrid/EV Battery Temperature Sensor 'M' Circuit High
P0CAC	Hybrid/EV Battery Temperature Sensor 'M' Circuit Intermittent/Erratic
P0CAD	Hybrid/EV Battery Temperature Sensor 'N' Circuit
P0CAE	Hybrid/EV Battery Temperature Sensor 'N' Circuit Range/Performance
P0CAF	Hybrid/EV Battery Temperature Sensor 'N' Circuit Low
P0CB0	Hybrid/EV Battery Temperature Sensor 'N' Circuit High
P0CB1	Hybrid/EV Battery Temperature Sensor 'N' Circuit Intermittent/Erratic
P0CB2	Hybrid/EV Battery Temperature Sensor 'O' Circuit
P0CB3	Hybrid/EV Battery Temperature Sensor 'O' Circuit Range/Performance
P0CB4	Hybrid/EV Battery Temperature Sensor 'O' Circuit Low
P0CB5	Hybrid/EV Battery Temperature Sensor 'O' Circuit High
P0CB6	Hybrid/EV Battery Temperature Sensor 'O' Circuit Intermittent/Erratic
P0CB7	Hybrid/EV Battery Temperature Sensor 'P' Circuit
P0CB8	Hybrid/EV Battery Temperature Sensor 'P' Circuit Range/Performance
P0CB9	Hybrid/EV Battery Temperature Sensor 'P' Circuit Low
P0CBA	Hybrid/EV Battery Temperature Sensor 'P' Circuit High
P0CBB	Hybrid/EV Battery Temperature Sensor 'P' Circuit Intermittent/Erratic
P0CBC	Drive Motor 'A' Coolant Temperature Sensor Circuit
P0CBD	Drive Motor 'A' Coolant Temperature Sensor Circuit Range/Performance
P0CBE	Drive Motor 'A' Coolant Temperature Sensor Circuit Low
P0CBF	Drive Motor 'A' Coolant Temperature Sensor Circuit High
P0CC0	Drive Motor 'A' Coolant Temperature Sensor Circuit Intermittent
P0CC1	Drive Motor 'A' Coolant Pump Control Circuit/Open
P0CC2	Drive Motor 'A' Coolant Pump Control Circuit Range/Performance
P0CC3	Drive Motor 'A' Coolant Pump Control Circuit Low
P0CC4	Drive Motor 'A' Coolant Pump Control Circuit High
P0CC5	14 Volt Power Module Current Sensor 'A'/'B' Correlation
P0CC6	Charge Port Door Open Request Switch Wake-Up Circuit
P0CC7	Charge Port Door Open Request Switch Circuit

P0CC8	Charge Port Door Open Request Switch Circuit Performance
P0CC9	Charge Port Door Open Request Switch Circuit Low
P0CCA	Charge Port Door Open Request Switch Circuit High
P0CCB	Charge Port Door Open Request Switch Circuit Intermittent/Erratic
P0CCC	Charge Port Door Position Sensor Circuit
P0CCD	Charge Port Door Position Sensor Circuit Performance
P0CCE	Charge Port Door Position Sensor Circuit Low
P0CCF	Charge Port Door Position Sensor Circuit High
P0CD0	Charge Port Door Position Sensor Circuit Intermittent/Erratic
P0CD1	Charge Port Door Unlock Control Circuit
P0CD2	Charge Port Door Unlock Control Circuit Performance
P0CD3	Charge Port Door Unlock Control Circuit Low
P0CD4	Charge Port Door Unlock Control Circuit High
P0CD5	Hybrid/EV Battery Pack Coolant Temperature Sensor 'B' Circuit
P0CD6	Hybrid/EV Battery Pack Coolant Temperature Sensor 'B' Circuit Range/Performance
P0CD7	Hybrid/EV Battery Pack Coolant Temperature Sensor 'B' Circuit Low
P0CD8	Hybrid/EV Battery Pack Coolant Temperature Sensor 'B' Circuit High
P0CD9	Hybrid/EV Battery Pack Coolant Temperature Sensor 'B' Circuit Intermittent/Erratic
P0CDA	Drive Motor 'A' Position Sensor Circuit 'C'
P0CDB	Drive Motor 'A' Position Sensor Circuit 'C' Range/Performance
P0CDC	Drive Motor 'A' Position Sensor Circuit 'C' Low
P0CDD	Drive Motor 'A' Position Sensor Circuit 'C' High
P0CDE	Drive Motor 'A' Position Sensor Circuit 'C' Intermittent/Erratic
P0CDF	Hybrid/EV Battery Pack Coolant Control Valve 'A' Control Circuit/Open
P0CE0	Hybrid/EV Battery Pack Coolant Control Valve 'A' Performance/Stuck Off
P0CE1	Hybrid/EV Battery Pack Coolant Control Valve 'A' Stuck On
P0CE2	Hybrid/EV Battery Pack Coolant Control Valve 'A' Control Circuit Low
P0CE3	Hybrid/EV Battery Pack Coolant Control Valve 'A' Control Circuit High
P0CE4	Hybrid/EV Battery Pack Coolant Control Valve Position Sensor Circuit
P0CE5	Hybrid/EV Battery Pack Coolant Control Valve Position Sensor Circuit Range/Performance
P0CE6	Hybrid/EV Battery Pack Coolant Control Valve Position Sensor Circuit Low
P0CE7	Hybrid/EV Battery Pack Coolant Control Valve Position Sensor Circuit High
P0CE8	Hybrid/EV Battery Pack Coolant Control Valve Position Sensor Circuit Intermittent/Erratic
P0CE9	Hybrid/EV Electronics Coolant Pump Control Circuit/Open
P0CEA	Hybrid/EV Electronics Coolant Pump Performance
P0CEB	Hybrid/EV Electronics Coolant Pump Control Circuit Low
P0CEC	Hybrid/EV Electronics Coolant Pump Control Circuit High
P0CED	Hybrid/EV Electronics Coolant Pump Enable Circuit
P0CEE	Hybrid/EV Electronics Coolant Temperature Sensor Circuit
P0CEF	Hybrid/EV Electronics Coolant Temperature Sensor Circuit Range/Performance
P0CF0	Hybrid/EV Electronics Coolant Temperature Sensor Circuit Low
P0CF1	Hybrid/EV Electronics Coolant Temperature Sensor Circuit High
P0CF2	Hybrid/EV Electronics Coolant Temperature Sensor Circuit Intermittent/Erratic
P0CF3	Control Pilot Circuit /Open
P0CF4	Control Pilot Circuit Range/Performance
P0CF5	Control Pilot Circuit Low
P0CF6	Control Pilot Circuit High
P0CF7	Control Pilot Circuit Intermittent/Erratic
P0CF8	Control Pilot Charging Switch Circuit/Open
P0CF9	Control Pilot Charging Switch Range/Performance
P0CFA	Control Pilot Charging Switch Circuit Low
P0CFB	Control Pilot Charging Switch Circuit High
P0CFC	Control Pilot Charging Switch Intermittent/Erratic

P0CFD	Control Pilot Charging Switch Stuck Off
P0CFE	Control Pilot Charging Switch Stuck On
P0CFF	Hybrid/EV Battery Pack Coolant Pump Stuck
POD00	Control Pilot Charging Ventilation Switch Circuit/Open
POD01	Control Pilot Charging Ventilation Switch Range/Performance
POD02	Control Pilot Charging Ventilation Switch Circuit Low
POD03	Control Pilot Charging Ventilation Switch Circuit High
POD04	Control Pilot Charging Ventilation Switch Intermittent/Erratic
POD05	Control Pilot Charging Ventilation Switch Stuck Off
POD06	Control Pilot Charging Ventilation Switch Stuck On
POD07	Battery Charging System Positive Contactor Circuit
POD08	Battery Charging System Positive Contactor Stuck Closed
POD09	Battery Charging System Positive Contactor Stuck Open
POD0A	Battery Charging System Positive Contactor Control Circuit/Open
POD0B	Battery Charging System Positive Contactor Control Circuit Range/Performance
POD0C	Battery Charging System Positive Contactor Control Circuit Low
POD0D	Battery Charging System Positive Contactor Control Circuit High
POD0E	Battery Charging System Negative Contactor Circuit
POD0F	Battery Charging System Negative Contactor Stuck Closed
POD10	Battery Charging System Negative Contactor Stuck Open
POD11	Battery Charging System Negative Contactor Control Circuit/Open
POD12	Battery Charging System Negative Contactor Control Circuit Range/Performance
POD13	Battery Charging System Negative Contactor Control Circuit Low
POD14	Battery Charging System Negative Contactor Control Circuit High
POD15	Battery Charging System High Voltage Interlock Circuit/Open
POD16	Battery Charging System High Voltage Interlock Circuit Performance
POD17	Battery Charging System High Voltage Interlock Circuit Low
POD18	Battery Charging System High Voltage Interlock Circuit High
POD19	Battery Charging System High Voltage Interlock Circuit Intermittent/Erratic
POD1A	Hybrid/EV Battery Pack Coolant Control Valve 'B' Control Circuit/Open
POD1B	Hybrid/EV Battery Pack Coolant Control Valve 'B' Performance/Stuck Off
POD1C	Hybrid/EV Battery Pack Coolant Control Valve 'B' Stuck On
POD1D	Hybrid/EV Battery Pack Coolant Control Valve 'B' Control Circuit Low
POD1E	Hybrid/EV Battery Pack Coolant Control Valve 'B' Control Circuit High
POD1F	Control Module Date/Time Synchronization Error
POD20	Battery Charger Output Voltage Performance
POD21	Battery Charger Output Voltage Too Low
POD22	Battery Charger Output Current Performance
POD23	Battery Charger Output Shorted
POD24	Battery Charger 'A' Temperature Too High
POD25	Battery Charger Hybrid/EV System Precharge Time Too Short
POD26	Battery Charger Hybrid/EV System Precharge Time Too Long
POD27	Battery Charger 'A' Input Voltage Too Low
POD28	Battery Charger 'A' Input Voltage Too High
POD29	Battery Charger 'A' Input Current Too Low
POD2A	Battery Charger 'A' Input Current Too High
POD2B	Control Pilot Indicator Control Circuit/Open
POD2C	Charge Status Indicator 'A' Control Circuit/Open
POD2D	Drive Motor 'A' Inverter Voltage Sensor 'A' Circuit
POD2E	Drive Motor 'A' Inverter Voltage Sensor 'A' Circuit Range/Performance
POD2F	Drive Motor 'A' Inverter Voltage Sensor 'A' Circuit Low
POD30	Drive Motor 'A' Inverter Voltage Sensor 'A' Circuit High
POD31	Drive Motor 'A' Inverter Voltage Sensor 'A' Circuit Intermittent/Erratic

P0D32	DC/DC Converter 'A' Over Temperature
P0D33	DC/DC Converter Current High
P0D34	Hybrid/EV Battery System Current
P0D35	Hybrid/EV Battery System Current Unstable
P0D36	Hybrid/EV Battery System Current Low
P0D37	Hybrid/EV Battery System Current High
P0D38	Battery Charger 'A' Input Current Sensor Circuit
P0D39	Battery Charger Input Current Sensor Circuit Range/Performance
P0D3A	Battery Charger Input Current Sensor Circuit Low
P0D3B	Battery Charger Input Current Sensor Circuit High
P0D3C	Battery Charger Input Current Sensor Circuit Intermittent/Erratic
P0D3D	Battery Charger 'A' Input Voltage Sensor Circuit
P0D3E	Battery Charger Input Voltage Sensor Circuit Range/Performance
P0D3F	Battery Charger Input Voltage Sensor Circuit Low
P0D40	Battery Charger Input Voltage Sensor Circuit High
P0D41	Battery Charger Input Voltage Sensor Circuit Intermittent/Erratic
P0D42	Battery Charger 14 Volt Output Voltage Sensor Circuit
P0D43	Battery Charger 14 Volt Output Voltage Sensor Circuit Range/Performance
P0D44	Battery Charger 14 Volt Output Voltage Sensor Circuit Low
P0D45	Battery Charger 14 Volt Output Voltage Sensor Circuit High
P0D46	Battery Charger 14 Volt Output Voltage Sensor Circuit Intermittent/Erratic
P0D47	Battery Charger 14 Volt Output Current Sensor Circuit
P0D48	Battery Charger 14 Volt Output Current Sensor Circuit Range/Performance
P0D49	Battery Charger 14 Volt Output Current Sensor Circuit Low
P0D4A	Battery Charger 14 Volt Output Current Sensor Circuit High
P0D4B	Battery Charger 14 Volt Output Current Sensor Circuit Intermittent/Erratic
P0D4C	Battery Charger Hybrid/EV Battery Output Voltage Sensor Circuit
P0D4D	Battery Charger Hybrid/EV Battery Output Voltage Sensor Circuit Range/Performance
P0D4E	Battery Charger Hybrid/EV Battery Output Voltage Sensor Circuit Low
P0D4F	Battery Charger Hybrid/EV Battery Output Voltage Sensor Circuit High
P0D50	Battery Charger Hybrid/EV Battery Output Voltage Sensor Circuit Intermittent/Erratic
P0D51	Battery Charger Hybrid/EV Battery Output Current Sensor Circuit
P0D52	Battery Charger Hybrid/EV Battery Output Current Sensor Circuit Range/Performance
P0D53	Battery Charger Hybrid/EV Battery Output Current Sensor Circuit Low
P0D54	Battery Charger Hybrid/EV Battery Output Current Sensor Circuit High
P0D55	Battery Charger Hybrid/EV Battery Output Current Sensor Circuit Intermittent/Erratic
P0D56	Proximity Detection Circuit
P0D57	Proximity Detection Circuit Range/Performance
P0D58	Proximity Detection Circuit Low
P0D59	Proximity Detection Circuit High
P0D5A	Proximity Detection Circuit Intermittent/Erratic
P0D5B	Battery Charger 14 Volt Output Power Performance
P0D5C	Battery Charger Hybrid/EV Battery Output Power Performance
P0D5D	Battery Charger Hybrid/EV System Discharge Time Too Short
P0D5E	Battery Charger Hybrid/EV System Discharge Time Too Long
P0D5F	Hybrid/EV Battery Pack Cooling Fan 2 Sense Circuit/Open
P0D60	Hybrid/EV Battery Pack Cooling Fan 2 Sense Range/Performance
P0D61	Hybrid/EV Battery Pack Cooling Fan 2 Sense Circuit Low
P0D62	Hybrid/EV Battery Pack Cooling Fan 2 Sense Circuit High
P0D63	Hybrid/EV Battery Pack Cooling Fan 2 Sense Circuit Intermittent/Erratic
P0D64	Hybrid/EV Battery Pack Cooling Fan Enable Circuit/Open
P0D65	Hybrid/EV Battery Pack Cooling Fan Enable Circuit Low
P0D66	Hybrid/EV Battery Pack Cooling Fan Enable Circuit High

P0D67	Battery Charger Control Module Performance
P0D68	A/C Compressor Motor Voltage Sensor 'A' Circuit
P0D69	A/C Compressor Motor Voltage Sensor 'A' Performance
P0D6A	A/C Compressor Motor Voltage Sensor 'A' Circuit High
P0D6B	A/C Compressor Motor Voltage Sensor 'A' Circuit Low
P0D6C	A/C Compressor Motor Voltage Sensor 'A' Circuit Intermittent/Erratic
P0D6D	A/C Compressor Motor Voltage Low
P0D6E	A/C Compressor Motor Voltage High
P0D6F	A/C Compressor Motor Current High
P0D70	Electric A/C Compressor Control Module Internal Temperature Sensor Circuit
P0D71	Electric A/C Compressor Control Module Internal Temperature Sensor Performance
P0D72	Electric A/C Compressor Control Module Internal Temperature Sensor Circuit High
P0D73	Electric A/C Compressor Control Module Internal Temperature Sensor Circuit Low
P0D74	Electric A/C Compressor Control Module Internal Temperature Sensor Circuit Intermittent/Erratic
P0D75	Electric A/C Compressor Control Module Output Driver Temperature Sensor Circuit
P0D76	Electric A/C Compressor Control Module Output Driver Temperature Sensor Performance
P0D77	Electric A/C Compressor Control Module Output Driver Temperature Sensor Circuit High
P0D78	Electric A/C Compressor Control Module Output Driver Temperature Sensor Circuit Low
P0D79	Electric A/C Compressor Control Module Output Driver Temperature Sensor Circuit Intermittent/Erratic
P0D7A	A/C Compressor Motor Phase U Current Low
P0D7B	A/C Compressor Motor Phase U Current High
P0D7C	A/C Compressor Motor Phase V Current Low
P0D7D	A/C Compressor Motor Phase V Current High
P0D7E	A/C Compressor Motor Phase W Current Low
P0D7F	A/C Compressor Motor Phase W Current High
P0D80	Battery Charger Input Circuit/Open
P0D81	Battery Charger Input Circuit Range/Performance
P0D82	Battery Charger Input Circuit Low
P0D83	Battery Charger Input Circuit High
P0D84	Battery Charger Input Circuit Intermittent/Erratic
P0D85	Battery Charging Output Voltage Too High
P0D86	Battery Charger Coupler Status Indicator Control Circuit 'A'/Open
P0D87	Battery Charger Coupler Status Indicator Control Circuit 'A' Low
P0D88	Battery Charger Coupler Status Indicator Control Circuit 'A' High
P0D89	Battery Charger Coupler Status Indicator Control Circuit 'B'/Open
P0D8A	Battery Charger Coupler Status Indicator Control Circuit 'B' Low
P0D8B	Battery Charger Coupler Status Indicator Control Circuit 'B' High
P0D8C	Battery Charger Coupler Status Indicator Control Circuit 'C'/Open
P0D8D	Battery Charger Coupler Status Indicator Control Circuit 'C' Low
P0D8E	Battery Charger Coupler Status Indicator Control Circuit 'C' High
P0D8F	Battery Charger Cooling System Performance
P0D90	Battery Charger Input Frequency Incorrect
P0D91	Battery Charger Coupler Lock Control Circuit/Open
P0D92	Battery Charger Coupler Lock Control Circuit Low
P0D93	Battery Charger Coupler Lock Control Circuit High
P0D94	Battery Charger Coupler Lock Control Circuit Performance
P0D95	Battery Charger Coupler Unlock Control Circuit/Open
P0D96	Battery Charger Coupler Unlock Control Circuit Low
P0D97	Battery Charger Coupler Unlock Control Circuit High
P0D98	Battery Charger Coupler Unlock Control Circuit Performance
P0D99	Battery Charger Coupler Temperature Sensor Circuit
P0D9A	Battery Charger Coupler Temperature Sensor Circuit Range/Performance
P0D9B	Battery Charger Coupler Temperature Sensor Circuit Low

P0D9C	Battery Charger Coupler Temperature Sensor Circuit High
P0D9D	Battery Charger Coupler Temperature Sensor Circuit Intermittent/Erratic
P0D9E	Battery Charger Coupler Lock Position Sensor Circuit
P0D9F	Battery Charger Coupler Lock Position Sensor Circuit Range/Performance
P0DA0	Battery Charger Coupler Lock Position Sensor Circuit Low
P0DA1	Battery Charger Coupler Lock Position Sensor Circuit High
P0DA2	Battery Charger Coupler Lock Position Sensor Circuit Intermittent/Erratic
P0DA3	Drive Motor 'B' Inverter Voltage Sensor 'A' Circuit
P0DA4	Drive Motor 'B' Inverter Voltage Sensor 'A' Circuit Range/Performance
P0DA5	Drive Motor 'B' Inverter Voltage Sensor 'A' Circuit Low
P0DA6	Drive Motor 'B' Inverter Voltage Sensor 'A' Circuit High
P0DA7	Drive Motor 'B' Inverter Voltage Sensor 'A' Circuit Intermittent/Erratic
P0DA8	Hybrid/EV Battery Voltage/Drive Motor 'A' Inverter Voltage Correlation
P0DA9	Hybrid/EV Battery Voltage/Drive Motor 'B' Inverter Voltage Correlation
P0DAA	Battery Charging System Isolation Fault
P0DAB	Hybrid/EV Battery Cell Balancing Performance
P0DAC	Hybrid/EV Battery Cell Balancing Circuit 'A'
P0DAD	Hybrid/EV Battery Cell Balancing Circuit 'A' Stuck On
P0DAE	Hybrid/EV Battery Cell Balancing Circuit 'A' Stuck Off
P0DAF	Hybrid/EV Battery Cell Balancing Circuit 'A' Range/Performance
P0DB0	Hybrid/EV Battery Cell Balancing Circuit 'B'
P0DB1	Hybrid/EV Battery Cell Balancing Circuit 'B' Stuck On
P0DB2	Hybrid/EV Battery Cell Balancing Circuit 'B' Stuck Off
P0DB3	Hybrid/EV Battery Cell Balancing Circuit 'B' Range/Performance
P0DB4	Hybrid/EV Battery Cell Balancing Circuit 'C'
P0DB5	Hybrid/EV Battery Cell Balancing Circuit 'C' Stuck On
P0DB6	Hybrid/EV Battery Cell Balancing Circuit 'C' Stuck Off
P0DB7	Hybrid/EV Battery Cell Balancing Circuit 'C' Range/Performance
P0DB8	Hybrid/EV Battery Cell Balancing Circuit 'D'
P0DB9	Hybrid/EV Battery Cell Balancing Circuit 'D' Stuck On
P0DBA	Hybrid/EV Battery Cell Balancing Circuit 'D' Stuck Off
P0DBB	Hybrid/EV Battery Cell Balancing Circuit 'D' Range/Performance
P0DBC	Hybrid/EV Battery Cell Balancing Circuit 'E'
P0DBD	Hybrid/EV Battery Cell Balancing Circuit 'E' Stuck On
P0DBE	Hybrid/EV Battery Cell Balancing Circuit 'E' Stuck Off
P0DBF	Hybrid/EV Battery Cell Balancing Circuit 'E' Range/Performance
P0DC0	Hybrid/EV Battery Cell Balancing Circuit 'F'
P0DC1	Hybrid/EV Battery Cell Balancing Circuit 'F' Stuck On
P0DC2	Hybrid/EV Battery Cell Balancing Circuit 'F' Stuck Off
P0DC3	Hybrid/EV Battery Cell Balancing Circuit 'F' Range/Performance
P0DC4	Hybrid/EV Battery Cell Balancing Circuit 'G'
P0DC5	Hybrid/EV Battery Cell Balancing Circuit 'G' Stuck On
P0DC6	Hybrid/EV Battery Cell Balancing Circuit 'G' Stuck Off
P0DC7	Hybrid/EV Battery Cell Balancing Circuit 'G' Range/Performance
P0DC8	Hybrid/EV Battery Cell Balancing Circuit 'H'
P0DC9	Hybrid/EV Battery Cell Balancing Circuit 'H' Stuck On
P0DCA	Hybrid/EV Battery Cell Balancing Circuit 'H' Stuck Off
P0DCB	Hybrid/EV Battery Cell Balancing Circuit 'H' Range/Performance
P0DCC	Hybrid/EV Battery Cell Balancing Circuit 'I'
P0DCD	Hybrid/EV Battery Cell Balancing Circuit 'I' Stuck On
P0DCE	Hybrid/EV Battery Cell Balancing Circuit 'I' Stuck Off
P0DCF	Hybrid/EV Battery Cell Balancing Circuit 'I' Range/Performance
P0DD0	Hybrid/EV Battery Cell Balancing Circuit 'J'

P0DD1	Hybrid/EV Battery Cell Balancing Circuit 'J' Stuck On
P0DD2	Hybrid/EV Battery Cell Balancing Circuit 'J' Stuck Off
P0DD3	Hybrid/EV Battery Cell Balancing Circuit 'J' Range/Performance
P0DD4	Hybrid/EV Battery Cell Balancing Circuit 'K'
P0DD5	Hybrid/EV Battery Cell Balancing Circuit 'K' Stuck On
P0DD6	Hybrid/EV Battery Cell Balancing Circuit 'K' Stuck Off
P0DD7	Hybrid/EV Battery Cell Balancing Circuit 'K' Range/Performance
P0DD8	Hybrid/EV Battery Cell Balancing Circuit 'L'
P0DD9	Hybrid/EV Battery Cell Balancing Circuit 'L' Stuck On
P0DDA	Hybrid/EV Battery Cell Balancing Circuit 'L' Stuck Off
P0ddb	Hybrid/EV Battery Cell Balancing Circuit 'L' Range/Performance
P0DDC	Hybrid/EV Battery Cell Balancing Circuit 'M'
P0DDD	Hybrid/EV Battery Cell Balancing Circuit 'M' Stuck On
P0DDE	Hybrid/EV Battery Cell Balancing Circuit 'M' Stuck Off
P0DDF	Hybrid/EV Battery Cell Balancing Circuit 'M' Range/Performance
P0DE0	Hybrid/EV Battery Cell Balancing Circuit 'N'
P0DE1	Hybrid/EV Battery Cell Balancing Circuit 'N' Stuck On
P0DE2	Hybrid/EV Battery Cell Balancing Circuit 'N' Stuck Off
P0DE3	Hybrid/EV Battery Cell Balancing Circuit 'N' Range/Performance
P0DE4	Electric/Auxiliary Transmission Fluid Pump 'A' Motor Over Temperature
P0DE5	Charge Status Indicator 'B' Control Circuit/Open
P0DE6	Hybrid/EV Battery Pack Cell Voltage Low
P0DE7	Hybrid/EV Battery Pack Cell Voltage High
P0DE8	Hybrid/EV Battery Pack Coolant Control Valve 'C' Control Circuit/Open
P0DE9	Hybrid/EV Battery Pack Coolant Control Valve 'C' Performance/Stuck Off
P0DEA	Hybrid/EV Battery Pack Coolant Control Valve 'C' Stuck On
P0DEB	Hybrid/EV Battery Pack Coolant Control Valve 'C' Control Circuit Low
P0DEC	Hybrid/EV Battery Pack Coolant Control Valve 'C' Control Circuit High
P0DED	Pedestrian Alert Control Module Circuit/Open
P0DEE	Pedestrian Alert Control Module Circuit Low
P0DEF	Pedestrian Alert Control Module Circuit High
P0DF0	Generator Inverter Temperature Sensor 'B' Circuit
P0DF1	Generator Inverter Temperature Sensor 'B' Circuit Intermittent/Erratic
P0DF2	Generator Inverter Temperature Sensor 'C' Circuit
P0DF3	Generator Inverter Temperature Sensor 'C' Circuit Intermittent/Erratic
P0DF4	Generator Inverter Temperature Sensor 'B' Circuit Range/Performance
P0DF5	Generator Inverter Temperature Sensor 'B' Circuit Low
P0DF6	Generator Inverter Temperature Sensor 'B' Circuit High
P0DF7	Generator Inverter Temperature Sensor 'C' Circuit Range/Performance
P0DF8	Generator Inverter Temperature Sensor 'C' Circuit Low
P0DF9	Generator Inverter Temperature Sensor 'C' Circuit High
P0DFA	Generator Phase U-V-W Current Sensor Correlation
P0DFB	Generator Position Exceeding Learn Limit
P0DFC	Generator Position Sensor Not Learned
P0DFD	Battery Charger Coolant Control Valve Control Circuit/Open
P0DFE	Battery Charger Coolant Control Valve Control Circuit Low
P0DFf	Battery Charger Coolant Control Valve Control Circuit High
P0E00	Generator Phase U Current Sensor Circuit
P0E01	Generator Phase U Current Sensor Circuit Range/Performance
P0E02	Generator Phase U Current Sensor Circuit Low
P0E03	Generator Phase U Current Sensor Circuit High
P0E04	Generator Phase V Current Sensor Circuit
P0E05	Generator Phase V Current Sensor Circuit Range/Performance

P0E06	Generator Phase V Current Sensor Circuit Low
P0E07	Generator Phase V Current Sensor Circuit High
P0E08	Generator Phase W Current Sensor Circuit
P0E09	Generator Phase W Current Sensor Circuit Range/Performance
P0E0A	Generator Phase W Current Sensor Circuit Low
P0E0B	Generator Phase W Current Sensor Circuit High
P0E0C	Generator Phase U-V-W Circuit/Open
P0E0D	Generator Phase U-V-W Circuit Low
P0E0E	Generator Phase U-V-W Circuit High
P0E0F	Generator Inverter Power Supply Circuit/Open
P0E10	Generator Inverter Power Supply Circuit Low
P0E11	Generator Inverter Power Supply Circuit High
P0E12	Hybrid/EV Battery Pack Coolant Heater 'A' Control Circuit/Open
P0E13	Hybrid/EV Battery Pack Coolant Heater 'A' Control Circuit Low
P0E14	Hybrid/EV Battery Pack Coolant Heater 'A' Control Circuit High
P0E15	Hybrid/EV Battery Pack Coolant Heater 'A' Control Performance
P0E16	Hybrid/EV Battery Pack Coolant Heater 'B' Control Circuit/Open
P0E17	Hybrid/EV Battery Pack Coolant Heater 'B' Control Circuit Low
P0E18	Hybrid/EV Battery Pack Coolant Heater 'B' Control Circuit High
P0E19	Hybrid/EV Battery Pack Coolant Heater 'B' Control Performance
P0E1A	Hybrid/EV Battery Pack Coolant Pump 'B' Control Circuit/Open
P0E1B	Hybrid/EV Battery Pack Coolant Pump 'B' Control Circuit Low
P0E1C	Hybrid/EV Battery Pack Coolant Pump 'B' Control Circuit High
P0E1D	Hybrid/EV Battery Pack Coolant Pump 'B' Control Performance
P0E1E	Hybrid/EV Battery Pack Coolant Pump 'B' Control Circuit Driver Current/Temperature Too High
P0E1F	Hybrid/EV Battery Pack Coolant Pump 'A' Control Circuit Driver Current/Temperature Too High
P0E20	Hybrid/EV Battery Pack Coolant Control Valve 'A' Control Circuit Driver Current/Temperature Too High
P0E21	Hybrid/EV Battery Pack Coolant Control Valve 'B' Control Circuit Driver Current/Temperature Too High
P0E22	Hybrid/EV Battery Pack Coolant Control Valve 'C' Control Circuit Driver Current/Temperature Too High
P0E23	Drive Motor Inverter Temperature Sensor 'G' Circuit
P0E24	Drive Motor Inverter Temperature Sensor 'G' Circuit Range/Performance
P0E25	Drive Motor Inverter Temperature Sensor 'G' Circuit Low
P0E26	Drive Motor Inverter Temperature Sensor 'G' Circuit High
P0E27	Drive Motor Inverter Temperature Sensor 'G' Circuit Intermittent/Erratic
P0E28	Drive Motor Inverter Temperature Sensor 'H' Circuit
P0E29	Drive Motor Inverter Temperature Sensor 'H' Circuit Range/Performance
P0E2A	Drive Motor Inverter Temperature Sensor 'H' Circuit Low
P0E2B	Drive Motor Inverter Temperature Sensor 'H' Circuit High
P0E2C	Drive Motor Inverter Temperature Sensor 'H' Circuit Intermittent/Erratic
P0E2D	Internal Control Module Hybrid/EV Battery Monitor Performance
P0E2E	Battery Charger Fuse
P0E2F	High Voltage Fuse 'B'
P0E30	High Voltage Fuse 'C'
P0E31	DC/DC Converter Voltage Sensor 'A' Circuit
P0E32	DC/DC Converter Voltage Sensor 'A' Range/Performance
P0E33	DC/DC Converter Voltage Sensor 'A' Low
P0E34	DC/DC Converter Voltage Sensor 'A' High
P0E35	DC/DC Converter Voltage Sensor 'A' Intermittent/Erratic
P0E36	DC/DC Converter Voltage Sensor 'B' Circuit
P0E37	DC/DC Converter Voltage Sensor 'B' Range/Performance
P0E38	DC/DC Converter Voltage Sensor 'B' Low
P0E39	DC/DC Converter Voltage Sensor 'B' High
P0E3A	DC/DC Converter Voltage Sensor 'B' Intermittent/Erratic

P0E3B	Hybrid/EV Battery Coolant Pump Overspeed
P0E3C	Hybrid/EV Battery Coolant Pump Underspeed
P0E3D	Control Pilot Indicator Control Circuit Low
P0E3E	Control Pilot Indicator Control Circuit High
P0E3F	Charge Status Indicator 'A' Control Circuit Low
P0E40	Charge Status Indicator 'A' Control Circuit High
P0E41	Charge Status Indicator 'B' Control Circuit Low
P0E42	Charge Status Indicator 'B' Control Circuit High
P0E43	Hybrid/EV Powertrain Control Module 'B'
P0E44	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit
P0E45	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit Range/Performance
P0E46	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit Low
P0E47	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit High
P0E48	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit Intermittent/Erratic
P0E49	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit
P0E4A	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit Range/Performance
P0E4B	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit Low
P0E4C	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit High
P0E4D	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit Intermittent/Erratic
P0E4E	Engine Failed to Crank
P0E4F	Motor Electronics Coolant Pump 'A' Control Circuit Intermittent/Erratic
P0E50	Motor Electronics Coolant Pump 'B' Control Circuit Intermittent/Erratic
P0E51	DC/DC Converter Current Sensor 'A' Circuit
P0E52	DC/DC Converter Current Sensor 'A' Circuit Range/Performance
P0E53	DC/DC Converter Current Sensor 'A' Circuit Low
P0E54	DC/DC Converter Current Sensor 'A' Circuit High
P0E55	DC/DC Converter Current Sensor 'A' Circuit Intermittent/Erratic
P0E56	DC/DC Converter Input Voltage Too Low
P0E57	DC/DC Converter Input Voltage Too High
P0E58	DC/DC Converter Temperature Sensor 'C' Circuit
P0E59	DC/DC Converter Temperature Sensor 'C' Circuit Range/Performance
P0E5A	DC/DC Converter Temperature Sensor 'C' Circuit Low
P0E5B	DC/DC Converter Temperature Sensor 'C' Circuit High
P0E5C	DC/DC Converter Temperature Sensor 'C' Circuit Intermittent/Erratic
P0E5D	DC/DC Converter Enable Circuit intermittent/Erratic
P0E5E	Battery Charger Control Module Processor Performance
P0E5F	Battery Charger Coupler Temperature Too High
P0E60	Battery Charge Mode Control Circuit Range/Performance
P0E61	Battery Charger Enable Circuit/Open
P0E62	Battery Charger Enable Circuit Low
P0E63	Battery Charger Enable Circuit High
P0E64	Battery Charger Enable Circuit Range/Performance
P0E65	Battery Charger Control Circuit/Open
P0E66	Battery Charger Control Circuit Low
P0E67	Battery Charger Control Circuit High
P0E68	Battery Charger Control Circuit Range/Performance
P0E69	Control Pilot Indicator Control Circuit Range/Performance
P0E6A	Battery Charging System Precharge Contactor Circuit
P0E6B	Battery Charging System Precharge Contactor Circuit Stuck Closed
P0E6C	Battery Charging System Precharge Contactor Circuit Stuck Open
P0E6D	Battery Charging System Precharge Contactor Control Circuit/Open
P0E6E	Battery Charging System Precharge Contactor Control Circuit Range/Performance
P0E6F	Battery Charging System Precharge Contactor Control Circuit Low

P0E70	Battery Charging System Precharge Contactor Control Circuit High
P0E71	Generator Torque Delivered Performance
P0E72	Control Pilot Signal Low Frequency
P0E73	Control Pilot Signal High Frequency
P0E74	Hybrid/EV Battery Voltage Internal Isolation Fault
P0E75	Coolant Bypass Valve 'A' Control Circuit/Open
P0E76	Coolant Bypass Valve 'A' Control Circuit Low
P0E77	Coolant Bypass Valve 'A' Control Circuit High
P0E78	Coolant Bypass Valve 'A' Control Circuit Range/Performance
P0E79	Coolant Bypass Valve 'A' Control Stuck/Open
P0E7A	Coolant Bypass Valve 'A' Control Stuck Closed
P0E7B	Coolant Bypass Valve 'B' Control Circuit/Open
P0E7C	Coolant Bypass Valve 'B' Control Circuit Low
P0E7D	Coolant Bypass Valve 'B' Control Circuit High
P0E7E	Coolant Bypass Valve 'B' Control Circuit Range/Performance
P0E7F	Coolant Bypass Valve 'B' Control Stuck/Open
P0E80	Coolant Bypass Valve 'B' Control Stuck Closed
P0E81	Auxiliary Cooling System Coolant Temperature Sensor 'A' Circuit
P0E82	Auxiliary Cooling System Coolant Temperature Sensor 'A' Circuit Range/Performance
P0E83	Auxiliary Cooling System Coolant Temperature Sensor 'A' Circuit Low
P0E84	Auxiliary Cooling System Coolant Temperature Sensor 'A' Circuit High
P0E85	Battery Charger 'B' Temperature Too High
P0E86	Battery Charger 'B' Input Voltage Too Low
P0E87	Battery Charger 'B' Input Voltage Too High
P0E88	Battery Charger 'B' Input Current Too Low
P0E89	Battery Charger 'B' Input Current Too High
P0E8A	Battery Charger 'B' Input Current Sensor Circuit
P0E8B	Battery Charger 'B' Input Voltage Sensor Circuit
P0E8C	Drive Motor 'A' Inverter Voltage Sensor 'B' Circuit
P0E8D	Drive Motor 'A' Inverter Voltage Sensor 'B' Circuit Range/Performance
P0E8E	Drive Motor 'A' Inverter Voltage Sensor 'B' Circuit Low
P0E8F	Drive Motor 'A' Inverter Voltage Sensor 'B' Circuit High
P0E90	Drive Motor 'A' Inverter Voltage Sensor 'B' Circuit Intermittent/Erratic
P0E91	Drive Motor 'B' Inverter Voltage Sensor 'B' Circuit
P0E92	Drive Motor 'B' Inverter Voltage Sensor 'B' Circuit Range/Performance
P0E93	Drive Motor 'B' Inverter Voltage Sensor 'B' Circuit Low
P0E94	Drive Motor 'B' Inverter Voltage Sensor 'B' Circuit High
P0E95	Drive Motor 'B' Inverter Voltage Sensor 'B' Circuit Intermittent/Erratic
P0E96	DC/DC Converter Voltage Sensor 'C' Circuit
P0E97	DC/DC Converter Voltage Sensor 'C' Circuit Range/Performance
P0E98	DC/DC Converter Voltage Sensor 'C' Circuit Low
P0E99	DC/DC Converter Voltage Sensor 'C' Circuit High
P0E9A	DC/DC Converter Voltage Sensor 'C' Circuit Intermittent/Erratic
P0E9B	DC/DC Converter Current Sensor 'B' Circuit
P0E9C	DC/DC Converter Current Sensor 'B' Circuit Range/Performance
P0E9D	DC/DC Converter Current Sensor 'B' Circuit Low
P0E9E	DC/DC Converter Current Sensor 'B' Circuit High
P0E9F	DC/DC Converter Current Sensor 'B' Circuit Intermittent/Erratic
P0EA0	DC/DC Converter Current Sensor 'C' Circuit
P0EA1	DC/DC Converter Current Sensor 'C' Circuit Range/Performance
P0EA2	DC/DC Converter Current Sensor 'C' Circuit Low
P0EA3	DC/DC Converter Current Sensor 'C' Circuit High
P0EA4	DC/DC Converter Current Sensor 'C' Circuit Intermittent/Erratic

P0EA5	DC/DC Converter 'B' Performance
P0EA6	DC/DC Converter 'B' Over Temperature
P0EA7	Auxiliary Cooling System Performance
P0EA8	A/C compressor motor voltage sensor 'B' Circuit
P0EA9	A/C compressor motor voltage sensor 'B' Circuit Performance
P0EAA	A/C compressor motor voltage sensor 'B' Circuit High
P0EAB	A/C compressor motor voltage sensor 'B' Circuit Low
P0EAC	A/C compressor motor voltage sensor 'B' Circuit Intermittent/Erratic
P0EAD	A/C Compressor Motor Current Sensor Circuit
P0EAE	A/C Compressor Motor Current Sensor Range/Performance
P0EAF	A/C Compressor Motor Current Sensor Circuit Low
P0EB0	A/C Compressor Motor Current Sensor Circuit High
P0EB1	A/C Compressor Motor Phase U Current Sensor Circuit
P0EB2	A/C Compressor Motor Phase U Current Sensor Circuit High
P0EB3	A/C Compressor Motor Phase U Current Sensor Circuit Low
P0EB4	A/C Compressor Motor Phase U Current Sensor Range/Performance
P0EB5	A/C Compressor Motor Phase V Current Sensor Circuit High
P0EB6	A/C Compressor Motor Phase V Current Sensor Circuit Low
P0EB7	A/C Compressor Motor Phase V Current Sensor Range/Performance
P0EB8	A/C Compressor Motor Phase W Current Sensor Circuit High
P0EB9	A/C Compressor Motor Phase W Current Sensor Circuit Low
P0EBA	A/C Compressor Motor Phase W Current Sensor Range/Performance
P0EBB	A/C Refrigerant Temperature Sensor 'A' Performance
P0EBC	A/C Refrigerant Temperature Sensor 'A' Circuit
P0EBD	A/C Refrigerant Temperature Sensor 'A' Circuit High
P0EBE	A/C Refrigerant Temperature Sensor 'A' Circuit Low
P0EBF	A/C Refrigerant Temperature Sensor 'A' Range/Performance
P0EC0	A/C Compressor Motor Phase W Current Sensor Circuit
P0EC1	A/C Refrigerant Temperature Sensor 'B' Circuit
P0EC2	A/C Refrigerant Temperature Sensor 'B' Circuit High
P0EC3	A/C Refrigerant Temperature Sensor 'B' Circuit Low
P0EC4	A/C Refrigerant Temperature Sensor 'B' Range/Performance
P0EC5	A/C Compressor Motor Speed Sensor Range/Performance
P0EC6	A/C Power Supply Relay Control Circuit/Open
P0EC7	A/C Power Supply Relay Control Circuit Low
P0EC8	A/C Power Supply Relay Control Circuit High
P0EC9	A/C Refrigerant Distribution Valve Stuck/Open
P0ECA	Hybrid/EV Battery Temperature Sensor System - Multiple Sensor Correlation
P0ECB	Hybrid/EV Battery Voltage Sensor System - Multiple Sensor Correlation
P0ECC	Hybrid/EV Battery 'E' Voltage
P0ECD	Hybrid/EV Battery 'E' Voltage Unstable
P0ECE	Hybrid/EV Battery 'E' Voltage Low
P0ECF	Hybrid/EV Battery 'E' Voltage High
P0ED0	Hybrid/EV Battery 'F' Voltage
P0ED1	Hybrid/EV Battery 'F' Voltage Unstable
P0ED2	Hybrid/EV Battery 'F' Voltage Low
P0ED3	Hybrid/EV Battery 'F' Voltage High
P1000	VVL-System Min.Stroke Adaptation Number of Stops Exceeded
P1001	VVL-Limp Home Request Circuit High
P1002	VVL-Limp Home Request Circuit Low
P1003	VVL-Limp Home Request Circuit Open
P1004	VVL-Guiding Sensor Solenoid Loss (Bank 1)
P1005	VVL-Guiding Sensor Reset Error (Bank 1)

P1006	VVL-Guiding Sensor Parity Error (Bank 1)
P1007	VVL-Guiding Sensor Gradient Error (Bank 1)
P1008	VVL-Guiding Sensor Solenoid Loss (Bank 2)
P1009	VVL-Guiding Sensor Reset Error (Bank 2)
P100A	Fuel Rail/System Pressure - Too Low (Bank 2)
P100B	Fuel Rail/System Pressure - Too High (Bank 2)
P100C	VVL-Limp Home Request RPM and Charge Limitation (Bank 2)
P100D	VVL-Limp Home Request Full Stroke Position not Reached (Bank 2)
P100E	VVL-Limp Home Request Air Mass Plausibility (Bank 2)
P100F	VVL-Overload Protection Control Motor Current Plausibility
P1010	VVL-Guiding Sensor Parity Error (Bank 2)
P1011	VVL-Guiding Sensor Gradient Error (Bank 2)
P1012	VVL-Reference Sensor Solenoid Loss (Bank 1)
P1013	VVL-Reference Sensor Reset Error (Bank 1)
P1014	VVL-Reference Sensor Parity Error (Bank 1)
P1015	VVL-Reference Sensor Gradient Error (Bank 1)
P1016	Fuel Volume Control Performance (Bank 1)
P1017	VVL- Sensors Plausibility (Bank 1)
P1018	VVL-Sensors Plausibility (Bank 2)
P1019	VVL-Sensors Supply Voltage Circuit High (Bank 1)
P101A	VVL-Self-Learning Function, Stops Not Learned
P101B	VVL-Self-Learning Function Storage of Learning Values In EEPROM Not Possible
P101C	VVL Load Shedding Relay Control Circuit High
P101D	VVL Load Shedding Relay Control Circuit Low
P101E	VVL Load Shedding Relay Control Circuit
P101F	Ambient Air Temperature / Intake Air Temperature Correlation
P1020	VVL-Sensors Supply Voltage Circuit Low (Bank 1)
P1021	VVL-Sensors Supply Voltage Circuit High (Bank 2)
P1022	VVL-Sensors Supply Voltage Circuit Low (Bank 2)
P1023	VVL-Self-Learning Function Faulty Adjustment Range (Bank 1)
P1024	VVL-Self-Learning Function Faulty Lower Learning Range (Bank 1)
P1025	VVL-Self-Learning Function No Positions Stored (Bank 1)
P1026	VVL-Self-Learning Function Faulty Adjustment Range (Bank 2)
P1027	VVL-Self-Learning Function Faulty Lower Learning Range (Bank 2)
P1028	VVL-Self-Learning Function No Positions Stored (Bank 2)
P1029	VVL-Actuator Monitoring Control Motor Temperature High (Bank 1)
P102A	O2 Sensor Heating, Heater Error (Bank 1 Sensor 1)
P102B	VVL-Guiding Sensor Diagnostic Error (Bank 1)
P102C	VVL-Reference Sensor Diagnostic Error (Bank 1)
P102D	Camshaft Position Timing System Pressure Too Low
P102E	Fuel Rail/System Pressure Pulsation (Bank 1)
P102F	Fuel Rail/System Pressure Pulsation (Bank 2)
P1030	VVL-Actuator Monitoring Position Control; Tight, no Adjustment possible (Bank 1)
P1031	VVL-Actuator Monitoring Recognition of Direction of Rotation Plausibility (Bank 1)
P1032	Fuel Volume Control Performance (Bank 2)
P1033	VVL-Actuator Monitoring Position Control; Tight, no Adjustment possible (Bank 2)
P1034	VVL-Actuator Monitoring Recognition of Direction of Rotation Plausibility (Bank 2)
P1035	VVL-CAN-Message Monitoring Faulty Desired Message (Bank 1)
P1036	VVL-CAN-Timeout VVT-Desired Message (Bank 1)
P1037	VVL-CAN-Timeout VVT-Message (Bank 1)
P1038	VVL-CAN-Message Monitoring Faulty Desired Message (Bank 2)
P1039	VVL-CAN-Timeout VVT-Desired Message (Bank 2)
P103A	VVL-System Current Too High

P103B	Cold Start Intake Air Temperature Too High (Bank 2)
P103C	'A' Camshaft Position Actuator Over Temperature (Bank 1)
P103D	'A' Camshaft Position Actuator Over Temperature (Bank 2)
P103E	'B' Camshaft Position Actuator Over Temperature (Bank 1)
P103F	'B' Camshaft Position Actuator Over Temperature (Bank 2)
P1040	VVL-CAN-Timeout VVT-Message (Bank 2)
P1041	Internal VVL-Control Module EEPROM Error
P1042	Internal VVL-Control Module Random Access Memory (RAM) Error (Bank 1)
P1043	Internal VVL-Control Module Read Only Memory (ROM) Error (Bank 1)
P1044	Internal VVL-Control Module EEPROM Error (Bank 2)
P1045	Internal VVL-Control Module Random Access Memory (RAM) Error (Bank 2)
P1046	Internal VVL-Control Module Read Only Memory (ROM) Error (Bank 2)
P1047	VVL-Control Circuit High (Bank 1)
P1048	VVL-Control Circuit Low (Bank 1)
P1049	VVL-Control Circuit Engine Cables Short Circuit (Bank 1)
P104A	Camshaft Position Timing Pressure Accumulator Shutoff Valve Control Circuit Low
P104B	Camshaft Position Timing Pressure Accumulator Shutoff Valve Control Circuit High
P104C	Camshaft Position Timing Pressure Accumulator Shutoff Valve Control Circuit/Open
P104D	Camshaft Position Timing Pressure Accumulator Shutoff Valve Control Circuit Over Temperature
P104E	Turbocharger Air Temperature Sensor 1 Circuit High or Open
P104F	Turbocharger Air Temperature Sensor 1 Circuit Low
P1050	VVL-Control Circuit (Bank 1)
P1051	VVL-Control Circuit High (Bank 2)
P1052	VVL-Control Circuit Low (Bank 2)
P1053	VVL-Control Circuit Engine Cables Short Circuit (Bank 2)
P1054	VVL-Control Circuit (Bank 2)
P1055	VVL-Control Motor Supply Voltage Circuit High (Bank 1)
P1056	VVL-Control Motor Supply Voltage Circuit Low (Bank 1)
P1057	VVL-Control Motor Supply Voltage Circuit Electrical (Bank 1)
P1058	VVL-Control Motor Supply Voltage Circuit High (Bank 2)
P1059	VVL-Control Motor Supply Voltage Circuit Low (Bank 2)
P105A	Internal Control Module VVL Error, Current Too High
P105B	Internal Control Module VVL Error, Voltage Too Low
P105C	VVL-Control Motor Tight
P105D	Cold Start Intake Air Temperature Too Low (Bank 1)
P105E	H2-Rail Temperature Too High
P105F	H2-Rail Temperature Too Low
P1060	VVL-Control Motor Supply Voltage Circuit Electrical (Bank 2)
P1061	VVL-Limp Home Request RPM and Charge Limitation (Bank 1)
P1062	VVL-Limp Home Request Full Stroke Position not Reached (Bank 1)
P1063	VVL-Limp Home Request Air Mass Plausibility (Bank 1)
P1064	VVL-Value Comparison Starting Position/Parking Position Correlation (Bank 1)
P1065	VVL-CAN-Timeout No Signal
P1066	VVL-CAN-Message Monitoring Faulty Actual Message
P1067	VVL-Reference Sensor Solenoid Loss (Bank 2)
P1068	VVL-Reference Sensor Reset Error (Bank 2)
P1069	VVL-Reference Sensor Parity Error (Bank 2)
P106A	H2-Rail Temperature Sensor Circuit Low (Bank 1)
P106B	H2-Rail Temperature Sensor Circuit High (Bank 1)
P106C	H2-Rail Temperature Sensor Circuit Range/Performance
P106D	H2-Rail Pressure Too High
P106E	H2-Rail Pressure Too Low
P106F	H2-Rail Pressure Sensor Circuit Low (Bank 1)

P1070	VVL-Reference Sensor Gradient Error (Bank 2)
P1071	Internal VVL-Control Module Watchdog or Temperature Sensor Error (Bank 1)
P1072	Internal VVL-Control Module Watchdog or Temperature Sensor Error (Bank 2)
P1073	VVL-Sensors Data Conformity (Bank 1)
P1074	VVL-Sensors Data Conformity (Bank 2)
P1075	VVL-Overload Protection (Bank 1)
P1076	VVL-Overload Protection ECU-Temperature High (Bank 1)
P1077	VVL-Overload Protection Control Motor Temperature High (Bank 1)
P1078	VVL-Overload Protection Control Motor Current Circuit High (Bank 1)
P1079	VVL-Overload Protection (Bank 2)
P107A	VVL-Overload Protection Control Motor Current Too High
P107B	VVL-Overload Protection Control Motor Temperature Too High
P107C	VVL-Overload Protection Temperature Too High
P107D	H2-Rail Pressure Sensor Circuit High (Bank 1)
P107E	H2-Rail Pressure Sensor Circuit Range/Performance
P107F	H2-Rail Pressure Regulator Circuit/Open
P1080	VVL-Overload Protection ECU-Temperature High (Bank 2)
P1081	VVL-Overload Protection Control Motor Temperature High (Bank 2)
P1082	VVL-Overload Protection Control Motor Current Circuit High (Bank 2)
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 Circuit Slow Response in Lean Control Range (Bank 1 Sensor 1)
P1088	O2 Sensor Circuit Slow Response in Rich Control Range (Bank 1 Sensor 1)
P1089	O2 Sensor Circuit Slow Response in Lean Control Range (Bank 2 Sensor 1)
P108A	H2-Rail Pressure Regulator Circuit Low
P108B	H2-Rail Pressure Regulator Circuit High
P108C	H2-Rail Pressure Control System Deviation Too High
P108D	H2-Rail Pressure Control System Deviation Too Low
P108E	Idle Air Control System in H2 Operation RPM Lower Than Expected
P108F	Idle Air Control System in H2 Operation RPM Higher Than Expected
P1090	Pre Catalyst Fuel Trim System Too Lean (Bank 1)
P1091	Pre Catalyst Fuel Trim System Too Lean (Bank 2)
P1092	Pre Catalyst Fuel Trim System Too Rich (Bank 1)
P1093	Pre Catalyst Fuel Trim System Too Rich (Bank 2)
P1094	O2 Sensor Circuit Slow Response in Rich Control Range (Bank 2 Sensor 1)
P1095	O2 Sensor Signal Circuit Slow Switching from Lean to Rich and Rich to Lean (Bank 1 Sensor 1)
P1096	O2 Sensor Signal Circuit Slow Switching from Lean to Rich and Rich to Lean (Bank 2 Sensor 1)
P1097	O2 Sensor Circuit Slow Response after Coast Down Fuel Cut-Off (Bank 1 Sensor 2)
P1098	O2 Sensor Circuit Slow Response after Coast Down Fuel Cut-Off (Bank 2 Sensor 2)
P1099	VVL-Value Comparison Starting Position/Parking Position Correlation (Bank 2)
P109A	H2-Rail Temperature Sensor Circuit Low (Bank 2)
P109B	H2-Rail Temperature Sensor Circuit High (Bank 2)
P109C	H2-Rail Pressure Sensor Circuit Low (Bank 2)
P109D	H2-Rail Pressure Sensor Circuit High (Bank 2)
P109E	System Too Rich in H2 Operation (Bank 1)
P109F	System Too Rich in H2 Operation (Bank 2)
P10A0	H2-Rail Pressure Sensor Supply Voltage Circuit (Bank 1)
P10A1	H2-Rail Pressure Sensor Supply Voltage Circuit (Bank 2)
P10A2	Fuel Volume Regulator System Deviation Too High
P10A3	Fuel Volume Regulator System Deviation Too Low
P10A4	Cold Start Intake Air Temperature Too Low (Bank 2)

P10A5	Injectors Initialization Error (Group 1)
P10A6	Injectors Open Circuit (Group 1)
P10A7	Injectors Discharge Error (Group 1)
P10A8	Injectors Initialization Error (Group 2)
P10A9	Injectors Open Circuit (Group 2)
P10AA	Injectors Discharge Error (Group 2)
P10AB	Reductant Level Sensor 2 Circuit
P10AC	Reductant Level Sensor 2 Circuit Range/Performance
P10AD	Cold Start Intake Air Temperature Front Of Throttle Valve Too Low (Bank 1)
P10AE	Cold Start Intake Air Temperature Front Of Throttle Valve Too High (Bank 2)
P10AF	Injector Coding Energy Rated Value Implausible
P10B0	Charge Air Cooler Temperature Too High (Bank 1)
P10B1	Charge Air Cooler Temperature Too Low (Bank 1)
P10B2	Charge Air Cooler Temperature Too High (Bank 2)
P10B3	Charge Air Cooler Temperature Too Low (Bank 2)
P10B4	Charge Air Cooler Temperature Sensor Gradient Too High (Bank 1)
P10B5	Charge Air Cooler Temperature Sensor Gradient Too High (Bank 2)
P10B6	Charge Air Cooler Temperature Sensor Offset (Bank 1)
P10B7	Charge Air Cooler Temperature Sensor Offset (Bank 2)
P10B8	Charge Air Cooler Temperature Sensor Signal Stuck (Bank 1)
P10B9	Charge Air Cooler Temperature Sensor Signal Stuck (Bank 2)
P10BA	Injectors Initialization Error (Group 3)
P10BB	Injectors Open Circuit (Group 3)
P10BC	Injectors Discharge Error (Group 3)
P10BD	Injectors Initialization Error (Group 4)
P10BE	Injectors Open Circuit (Group 4)
P10BF	Injectors Discharge Error (Group 4)
P10C0	Injector Coding Small Quantity Rated Value Implausible
P10C1	Fuel Volume Regulator Safety Relay Control Circuit
P10C2	Fuel Volume Regulator Safety Relay Control Circuit Low
P10C3	Fuel Volume Regulator Safety Relay Control Circuit High
P10C4	Low Pressure Fuel System Delivery Rate out of Range
P10C5	Low Pressure Fuel System Delivery Rate out of Range due to Aging
P10C6	Low Pressure Fuel System Delivery Rate Too Low due to Aging
P10C7	Internal Mass or Volume Air Flow Sensor 'A' Error
P10C8	Internal Mass or Volume Air Flow Sensor 'B' Error
P10C9	Cold Start Intake Air Temperature Too High (Bank 1)
P10CA	Reductant Heater Power Switch Circuit
P10CB	Reductant Heater Power Switch Over Temperature
P10CC	Reductant Heater Power Switch Circuit High
P10CD	Reductant Heater Power Switch Circuit Low
P10CE	Fuel Rail Pressure Sensor Voltage Too High (Bank 1)
P10CF	Fuel Rail Pressure Sensor Voltage Too Low (Bank 1)
P10D0	Cold Start Charge Air Temperature Too High (Bank 1)
P10D1	Cold Start Charge Air Temperature Too Low (Bank 1)
P10D2	Charge Air Temperature Too High
P10D3	Cold Start Charge Air Temperature Too High (Bank 2)
P10D4	Cold Start Engine Coolant Temperature Too Low
P10D5	Cold Start Engine Coolant Temperature Too High
P10D6	VVL-Relay Control Circuit (Bank 1)
P10D7	VVL-Relay Control Circuit Low (Bank 1)
P10D8	VVL-Relay Control Circuit High (Bank 1)
P10D9	Fuel Rail Pressure Sensor Signal Stuck (Bank 1)

P10DA	Reductant Metering Line Heater Control Circuit/Open
P10DB	Reductant Metering Line Heater Control Circuit High
P10DC	Can Bus Hardware Defective
P10DD	FlexRay Hardware Defective
P10DE	VVL-Self-Learning Function
P10DF	VVL-Overload Protection Output Stage System Shutdown (Bank 1)
P10E0	VVL-Overload Protection Control Motor System Shutdown (Bank 1)
P10E1	VVL-System No Travel Detected
P10E2	VVL-Sensors Supply Voltage Circuit Electrical (Bank 1)
P10E3	VVL-Relay Supply Voltage Circuit Low (Bank 1)
P10E4	VVL-Relay Supply Voltage Circuit/Open (Bank 1)
P10E5	Internal Control Module Error, Control Circuit VVL
P10E6	VVL-Sensors Supply Voltage Circuit Open
P10E7	VVL-Overload Protection Output Stage Overload
P10E8	VVL-Overload Protection Control Motor Overload
P10E9	VVL-Overload Protection System Shutdown
P10EA	Ambient Air Temperature Too High
P10EB	Ambient Air Temperature Too Low
P10EC	Ambient Air Temperature Implausible
P10ED	Fuel Rail Pressure Sensor Pressure High (Bank 1)
P10EE	Fuel Rail Pressure Sensor Pressure Low (Bank 1)
P10EF	Cold Start Intake Manifold Runner Performance (Bank 1)
P10F0	Intake Air Temperature in Comparison to Charge Air Temperature Too High
P10F1	Intake Air Temperature in Comparison to Charge Air Temperature Too Low
P10F2	Charge Air Pressure in Comparison to Barometric Pressure Too High (Bank 1)
P10F3	Charge Air Pressure in Comparison to Barometric Pressure Too Low (Bank 1)
P10F4	VVL-Control Phase U Circuit Open (Bank 1)
P10F5	VVL-Control Phase V Circuit Open (Bank 1)
P10F6	VVL-Control Phase W Circuit Open (Bank 1)
P10F7	Fuel Rail Pressure Sensor Pressure High (Bank 2)
P10F8	Fuel Rail Pressure Sensor Pressure Low (Bank 2)
P10F9	O2 Sensor Heating, Heater Error (Bank 2 Sensor 1)
P10FA	Fuel Rail Pressure Sensor Pressure High before Enginge Start (Bank 1)
P10FB	Fuel Rail Pressure Sensor Pressure Low before Enginge Start (Bank 1)
P10FC	VVL- Sensors Circuit High
P10FD	VVL- Sensors Circuit Low
P10FE	VVL-Relay Supply Voltage Circuit Low (Bank 2)
P10FF	VVL-Relay Supply Voltage Circuit/Open (Bank 2)
P1100	O2 Sensor Circuit Slow Response after Coast Down Fuel Cut-Off (Bank 1 Sensor 1) (S62: Air Mass Flow Sensor Circuit High)
P1101	O2 Sensor Circuit Slow Response after Coast Down Fuel Cut-Off (Bank 2 Sensor 1)
P1102	Idle Control System, Adaptation of Unmetered Air Mass Too Low
P1103	Idle Control System, Adaptation of Unmetered Air Mass Too Large
P1104	Differential Pressure Sensor Intake Manifold Pressure Too Low (Bank 1)
P1105	Differential Pressure Sensor Intake Manifold Pressure Too High (Bank 1)
P1106	Manifold Air Pressure Too Low at Engine Stop
P1107	Manifold Air Pressure Too Low at Idle Engine Running
P1108	Manifold Air Pressure Too Low at Full Load for Low Engine Speed
P1109	Manifold Air Pressure Too High in Deceleration
P110A	Differential Pressure Sensor Intake Manifold Pressure Too Low (Bank 2)
P110B	Differential Pressure Sensor Intake Manifold Pressure Too High (Bank 2)
P110C	Pedal Position Sensor Circuit Travel Recognition Plausibility
P110D	Throttle Position Sensor A and B Circuit Range/Performance (Bank 1)
P110E	Internal Code (Service/End-of-Line Test)

P110F	Ambient Air Temperature Sensor Faulty CAN Signal
P1110	Engine Oil Over Temperature
P1111	Engine Coolant Temperature Sensor Radiator Outlet Circuit Low
P1112	Engine Coolant Temperature Sensor Radiator Outlet Circuit High
P1113	VVL-Overload Protection Control Motor System Shutdown (Bank 2)
P1114	O2 Sensor Signal Circuit Slow Switching from Lean to Rich (Bank 2 Sensor 1)
P1115	Ambient Air Temperature Sensor Error Value Received (M52LEV, S54 to 09/00: Coolant Temperature Sensor Plausibility)
P1116	Mass or Volume Air Flow Circuit Range/Performance Problem (Bank 2)
P1117	Mass or Volume Air Flow Circuit Circuit Low (Bank 2)
P1118	Mass or Volume Air Flow Circuit Circuit High (Bank 2)
P1119	O2 Sensor Signal Circuit Slow Switching from Lean to Rich (Bank 1 Sensor 1)
P111A	Mass or Volume Air Flow via O2 Sensor Too High (Bank 1)
P111B	Mass or Volume Air Flow via O2 Sensor Too Low (Bank 1)
P111C	Mass or Volume Air Flow via O2 Sensor Too High (Bank 2)
P111D	Mass or Volume Air Flow via O2 Sensor Too Low (Bank 2)
P111E	Intake Air Temperature Sensor 1 Maximum Temperature Implausible (Bank 1)
P111F	Intake Air Temperature Sensor 1 Minimum Temperature Implausible (Bank 1)
P1120	Pedal Position Sensor Circuit
P1121	Pedal Position Sensor 1 Range/Performance Problem
P1122	Pedal Position Sensor 1 Circuit Low
P1123	Pedal Position Sensor 1 Circuit High
P1124	Differential Pressure Sensor Intake Manifold Offset (Bank 1)
P1125	Throttle Position Sensor A and B Circuit Range/Performance Small Error
P1126	Throttle Position Sensor A and B Circuit Range/Performance Large Error
P1127	Engine Oil Level Sensor Signal Plausibility
P1128	Engine Oil Level Sensor No Signal
P1129	Engine Oil Level Sensor Signal Oil Level Too Low
P112A	Engine Coolant Temperature Sensor 1 Maximum Temperature Implausible
P112B	Engine Coolant Temperature Too Low
P112C	O2 Sensor Negative Current or Positive Current Control Circuit/Open (Bank 1 Sensor 1)
P112D	O2 Sensor Negative Current or Positive Current Control Circuit/Open (Bank 2 Sensor 1)
P112E	Manifold Absolute Pressure to Throttle Angle - Too Low (Bank 1)
P112F	Manifold Absolute Pressure to Throttle Angle - Too High (Bank 1)
P1130	O2 Sensor Circuit Dynamic Test (Bank 1 Sensor 2)
P1131	O2 Sensor Circuit Dynamic Test (Bank 2 Sensor 2)
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 (Bank 1 Sensor 1)
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 Circuit 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)
P113A	Mass or Volume Air Flow 1 Correction Signal Plausibility Period Too Long
P113B	Mass or Volume Air Flow 1 Correction Signal Plausibility Period Too Short
P113C	Intake Air Temperature Sensor 1 Signal Stuck (Bank 1)
P113D	Intake Air Temperature Sensor 1 Temperature Implausible (Bank 1)
P113E	Barometric Pressure 'B' Too Low
P113F	Engine Coolant Temperature Sensor 1 Shunt
P1140	Mass or Volume Air Flow Circuit Range/Performance Problem
P1141	Value Comparison Throttle Position Sensor 1 / Hot Film Air Mass Meter (Bank 1)
P1142	Value Comparison Throttle Position Sensor 2 / Hot Film Air Mass Meter (Bank 2)
P1143	O2 Sensor Activity Check Signal Too High (Bank 1 Sensor 2)

P1144	O2 Sensor Activity Check Signal Too Low (Bank 1 Sensor 2)
P1145	Solenoid Valve Running Losses Circuit Electrical
P1146	Solenoid Valve Running Losses Circuit Open
P1147	Differential Pressure to Throttle Angle - Too Low
P1148	Differential Pressure to Throttle Angle - Too High
P1149	O2 Sensor Activity Check Signal Too High (Bank 2 Sensor 2)
P114A	Post Catalyst Fuel Trim Via Oxygen Sensor System Too Rich (Bank 1)
P114B	Post Catalyst Fuel Trim Via Oxygen Sensor System Too Lean (Bank 1)
P114C	Post Catalyst Fuel Trim Via Oxygen Sensor System Too Rich (Bank 2)
P114D	Post Catalyst Fuel Trim Via Oxygen Sensor System Too Lean (Bank 2)
P114E	Air Mass Flow Sensor Signal Gradient Too High
P114F	Air Mass Flow Sensor Defective
P1150	O2 Sensor Activity Check Signal Too Low (Bank 2 Sensor 2)
P1151	O2 Sensor Heater Circuit Signal Intermittent (Bank 2 Sensor 1)
P1152	O2 Sensor Heater Circuit Low Voltage (Bank 2 Sensor 1)
P1153	O2 Sensor Heater Circuit High Voltage (Bank 2 Sensor 1)
P1154	Differential Pressure Sensor Intake Manifold Circuit High (Bank 2)
P1155	O2 Sensor Heater Circuit 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 Low (Bank 1)
P1159	Fuel Trim Adaptation Additive High (Bank 1)
P115A	Mass or Volume Air Flow 'A' Maximum Exceeded
P115B	Mass or Volume Air Flow 'A' Minimum Fallen Below
P115C	Mass or Volume Air Flow 'A' Air Mass Too Low Compared to Model
P115D	Mass or Volume Air Flow 'A' Air Mass Too High Compared to Model
P115E	Intake Air Temperature Sensor 1 Gradient Implausible (Bank 1)
P115F	Throttle/Pedal Position Sensor/Switch 'A' / 'B' Synchronous Operation Correlation (Bank 1)
P1160	Fuel Trim Adaptation Additive Low (Bank 2)
P1161	Fuel Trim Adaptation Additive High (Bank 2) (M52: Engine Oil Temperature Sensor Circuit)
P1162	Value Comparison Throttle Position Sensor 2 / Hot Film Air Mass Meter (Bank 1)
P1163	Value Comparison Throttle Position Sensor 1 / Hot Film Air Mass Meter (Bank 2)
P1164	Barometric Pressure 'B' Too High
P1165	Cold Start Charge Air Temperature Too Low (Bank 2)
P1166	Oxygen Sensors Swapped
P1167	HO2S Heater Coupling Signal Too High (Bank 1 Sensor 1)
P1168	Post Catalyst Fuel Trim System Correction Value above Threshold (Bank 1)
P1169	HO2S Heater Coupling Signal Too High (Bank 2 Sensor 1)
P116A	Mass or Volume Air Flow 'B' Maximum Exceeded
P116B	Mass or Volume Air Flow 'B' Minimum Fallen Below
P116C	Air Mass Flow Sensor Signal Range
P116D	Air Mass Flow Sensor Signal Gradient Error
P116E	Air Mass Flow Sensor Signal Electrical
P116F	Fuel Level Too Low
P1170	Post Catalyst Fuel Trim System Correction Value above Threshold (Bank 2)
P1171	Barometric Pressure Sensor Variant Recognition Value in Boot Range Implausible
P1172	Barometric Pressure Sensor Variant Recognition Error Value Stored in Boot Range
P1173	Barometric Pressure Sensor Variant Recognition Learning Failed
P1174	Fuel Trim Adaptation Malfunction (Bank 1)
P1175	Fuel Trim Adaptation Additive Malfunction (Bank 2)
P1176	O2 Sensor Slow Response (Bank 1)
P1177	O2 Sensor Slow Response (Bank 2)
P1178	O2 Sensor Signal Circuit Slow Switching from Rich to Lean (Bank 1 Sensor 1)

P1179	O2 Sensor Signal Circuit Slow Switching from Rich to Lean (Bank 2 Sensor 1)
P117A	VVL-Relay Circuit (Bank 2)
P117B	VVL-Relay Circuit Low (Bank 2)
P117C	VVL-Relay Circuit High (Bank 2)
P117D	Fuel Rail Pressure Sensor Pressure High before Enginge Start (Bank 2)
P117E	Throttle/Pedal Position Sensor/Switch 'A' / 'B' Synchronous Operation Correlation (Bank 2)
P117F	Intake Air Temperature 1 Too High (Bank 2)
P1180	O2 Sensor Signal Circuit Slow Switching from Rich to Lean (Bank 1 Sensor 2)
P1181	O2 Sensor Signal Circuit Slow Switching from Rich to Lean (Bank 2 Sensor 2)
P1182	Charge Air Pressure in Comparison to Barometric Pressure Too High (Bank 2)
P1183	Charge Air Pressure in Comparison to Barometric Pressure Too Low (Bank 2)
P1184	HO2S Sensor Voltage Excursion Electrical (Bank 1 Sensor 1)
P1185	HO2S Sensor Voltage Excursion Electrical (Bank 2 Sensor 1)
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)
P118A	Engine Oil Separator Heating Circuit High
P118B	Engine Oil Separator Heating Circuit Low
P118C	Engine Oil Separator Heating Circuit/Open
P118D	Fuel Rail Pressure Sensor Pressure Low before Enginge Start (Bank 2)
P118E	Fuel Rail Pressure Sensor Signal Stuck (Bank 2)
P118F	Intake Air Temperature 1 Minimum Too Low (Bank 2)
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)
P1194	Cold Start EVAP Fuel Vapor Temperature Implausible
P1195	Differential Pressure Sensor Intake Manifold Pressure Plausibility (Bank 2)
P1196	Differential Pressure Sensor Intake Manifold Circuit Low (Bank 2)
P1197	Differential Pressure Sensor Intake Manifold Circuit High (Bank 1)
P1198	Differential Pressure Sensor Intake Manifold Circuit Low (Bank 1)
P1199	Differential Pressure Sensor Intake Manifold Pressure Plausibility (Bank 1)
P119A	Manifold Absolute Presssure Sensor Circuit High (Bank 1)
P119B	Manifold Absolute Presssure Sensor Circuit Low (Bank 1)
P119C	Manifold Absolute Presssure Sensor Circuit Range/Performance (Bank 1)
P119D	Fuel Trim, Injector Aging Long-Term Adaptation Implausible (Bank 1)
P119E	Fuel Trim, Injector Aging Long-Term Adaptation Impausible (Bank 2)
P119F	Fuel Tank Pressure/Temperature Sensor Pressure Signal Stuck
P11A0	O2 Sensor Circuit Slow Response after Coast Down Fuel Cut-Off (Bank 1 Sensor 1)
P11A1	Throttle/Pedal Position Sensor/Switch Supply Voltage Circuit High (Bank 1)
P11A2	Throttle/Pedal Position Sensor/Switch Supply Voltage Circuit Low (Bank 1)
P11A3	Throttle/Pedal Position Sensor/Switch Supply Voltage Circuit High (Bank 2)
P11A4	Throttle/Pedal Position Sensor/Switch Supply Voltage Circuit Low (Bank 2)
P11A5	Pedal Position Sensor Supply Voltage Circuit High
P11A6	Pedal Position Sensor Supply Voltage Circuit Low
P11A7	VVL-Control Phase U Circuit Open (Bank 2)
P11A8	VVL-Control Phase V Circuit Open (Bank 2)
P11A9	VVL-Control Phase W Circuit Open (Bank 2)
P11AA	Throttle tight (Bank 1)
P11AB	Throttle tight (Bank 2)
P11AC	Fuel Trim in H2 Operation System Deviation Too High (Bank 1)
P11AD	Fuel Trim in H2 Operation System Deviation Too High (Bank 2)

P11AE	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit High (Bank 2)
P11AF	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Low (Bank 2)
P11B0	Manifold Absolute Pressure to Throttle Angle - Too Low (Bank 2)
P11B1	Manifold Absolute Pressure to Throttle Angle - Too High (Bank 2)
P11B2	Intake Air Temperature Sensor 1 Signal Stuck (Bank 2)
P11B3	Intake Air Temperature 2 Too High (Bank 1)
P11B4	Intake Air Temperature 2 Too Low (Bank 1)
P11B5	Intake Air Temperature 2 Too High (Bank 2)
P11B6	Intake Air Temperature 2 Too Low (Bank 2)
P11B7	Intake Air Temperature Sensor 2 Signal Stuck (Bank 1)
P11B8	Intake Air Temperature Sensor 2 Signal Stuck (Bank 2)
P11B9	Intake Air Temperature Sensor 2 Gradient Implausible (Bank 1)
P11BA	Intake Air Temperature Sensor 2 Gradient Implausible (Bank 2)
P11BB	Intake Air Temperature Sensor 1 Offset (Bank 1)
P11BC	Manifold Absolute Pressure/Barometric Pressure Sensor Circuit Range/Performance (Bank 2)
P11BD	Throttle Position Sensor A and B Circuit Range/Performance (Bank 2)
P11BE	Intake Air Temperature Sensor 2 Offset (Bank 1)
P11BF	Intake Air Temperature Sensor 2 Offset (Bank 2)
P11C0	Mass or Volume Air Flow Sensor 'A' Circuit Range/Performance - Period Time Too Low
P11C1	Mass or Volume Air Flow Sensor 'A' Circuit Range/Performance - Period Time Too High
P11C2	Mass or Volume Air Flow Sensor 'B' Circuit Range/Performance - Period Time Too Low
P11C3	Mass or Volume Air Flow Sensor 'B' Circuit Range/Performance - Period Time Too High
P11C4	EVAP System Differential Pressure Sensor Circuit Range/Performance
P11C5	EVAP System Differential Pressure Sensor Circuit Low
P11C6	EVAP System Differential Pressure Sensor Circuit High
P11C7	EVAP System Differential Pressure Sensor Absolute Pressure Too Low
P11C8	Pedal Position Sensor Substitute Operation
P11C9	Intake Air Temperature Too Low
P11CA	Engine Compartment Temperature Too High
P11CB	Barometric Pressure 'A' Too High
P11CC	Fuel Tank Pressure/Temperature Sensor Pressure Too Low Compared to Barometric Pressure
P11CD	Fuel Tank Pressure/Temperature Sensor Pressure Too High Compared to Barometric Pressure
P11CE	Throttle/Pedal Position Sensor/Switch 'D' Circuit Voltage Low
P11CF	Throttle/Pedal Position Sensor/Switch 'D' Circuit Voltage High
P11D0	Cylinder 1 Air-Fuel Ratio Imbalance, System Too Lean
P11D1	Cylinder 1 Air-Fuel Ratio Imbalance, System Too Rich
P11D2	Cylinder 2 Air-Fuel Ratio Imbalance, System Too Lean
P11D3	Cylinder 2 Air-Fuel Ratio Imbalance, System Too Rich
P11D4	Cylinder 3 Air-Fuel Ratio Imbalance, System Too Lean
P11D5	Cylinder 3 Air-Fuel Ratio Imbalance, System Too Rich
P11D6	Cylinder 4 Air-Fuel Ratio Imbalance, System Too Lean
P11D7	Cylinder 4 Air-Fuel Ratio Imbalance, System Too Rich
P11D8	Cylinder 5 Air-Fuel Ratio Imbalance, System Too Lean
P11D9	Cylinder 5 Air-Fuel Ratio Imbalance, System Too Rich
P11DA	Cylinder 6 Air-Fuel Ratio Imbalance, System Too Lean
P11DB	Cylinder 6 Air-Fuel Ratio Imbalance, System Too Rich
P11DC	Fuel Tank Pressure/Temperature Sensor Range/Performance - Undertemperature
P11DD	Fuel Tank Pressure/Temperature Sensor Range/Performance - Overtemperature
P11DE	Fuel Tank Pressure/Temperature Sensor Temperature Implausible High
P11DF	Fuel Tank Pressure/Temperature Sensor Temperature Implausible Low
P11E0	Mass or Volume Air Flow Sensor Circuit
P11E1	Fuel Tank Pressure/Temperature Sensor Short-Term Overtemperature
P11E2	VVL-Overload Protection Output Stage System Shutdown (Bank 2)

P11E3	Fuel Tank Pressure/Temperature Sensor Short-Term Undertemperature
P11E4	Fuel Tank Pressure/Temperature Sensor Temperature Implausible
P11E5	Fuel Tank Pressure/Temperature Sensor Pressure High
P11E6	Fuel Tank Pressure/Temperature Sensor Pressure Low
P11E7	Fuel Tank Pressure/Temperature Sensor Pressure Implausible
P11E8	Fuel Tank Pressure/Temperature Sensor Range/Performance - Pressure High
P11E9	Fuel Tank Pressure/Temperature Sensor Range/Performance - Pressure Low
P11EA	O2 Sensor System Check Signal Biased/Stuck Lean (Bank 1 Sensor 2)
P11EB	O2 Sensor System Check Signal Biased/Stuck Rich (Bank 1 Sensor 2)
P11EC	O2 Sensor System Check Signal Biased/Stuck Lean (Bank 2 Sensor 2)
P11ED	O2 Sensor System Check Signal Biased/Stuck Rich (Bank 2 Sensor 2)
P11EE	Throttle/Pedal Position Sensor/Switch 'E' Circuit Voltage Low
P11EF	Throttle/Pedal Position Sensor/Switch 'E' Circuit Voltage High
P11F0	VVL and Injection Relay Supply Voltage Circuit/Open
P11F1	VVL and Injection Relay Supply Voltage Circuit Low
P11F2	VVL and Injection Relay Control Circuit/Open
P11F3	VVL and Injection Relay Control Circuit Low
P11F4	VVL and Injection Relay Control Circuit High
P11F5	Engine Compartment Temperature Sensor Circuit Low
P11F6	Engine Compartment Temperature Sensor Circuit High
P11F7	Engine Compartment Temperature Sensor Circuit Intermittent/Erratic
P11F8	Cold Start Engine Compartment Temperature Sensor Temperature Implausible Low
P11F9	Cold Start Engine Compartment Temperature Sensor Temperature Implausible High
P11FA	Brake Booster Voltage Sensor Circuit Range/Performance
P11FB	Brake Booster Voltage Sensor Circuit High
P11FC	Brake Booster Pump Power Supply Circuit Low
P11FD	Brake Booster Pump Power Supply Circuit High
P11FE	Brake Booster Current Sensor Circuit Range/Performance
P11FF	Brake Booster Current Sensor Circuit High
P1200	Fuel Trim Upper Adaptation Range System Too Lean (Bank 1)
P1201	Fuel Trim Upper Adaptation Range System Too Rich (Bank 1)
P1202	Fuel Trim Upper Adaptation Range System Too Lean (Bank 2)
P1203	Fuel Trim Upper Adaptation Range System Too Rich (Bank 2)
P1204	O2 Sensor Circuit Full Load Test Signal Too Low (Bank 1 Sensor 2)
P1205	O2 Sensor Circuit Full Load Test Signal Too Low (Bank 2 Sensor 2)
P1206	Brake Booster Pump Shutoff Valve Circuit Low
P1207	Brake Booster Pump Shutoff Valve Circuit High
P1208	Brake Booster Pump Shutoff Valve Open Circuit
P1209	Brake Booster Pump Shutoff Valve Plausibility
P120A	Crankcase Ventilation Diagnostic Valve Circuit High
P120B	Crankcase Ventilation Diagnostic Valve Circuit Low
P120C	Crankcase Ventilation Diagnostic Valve Open Circuit
P120D	Crankcase Ventilation Hose Disconnected / Defective (Bank 1)
P120E	Brake Booster Pump Control Circuit High
P120F	Brake Booster Pump Control Circuit Low
P1210	Cold Start Injection Timing (Bank 1)
P1211	Cold Start Injection Timing (Bank 2)
P1212	EGR Positioner Circuit High
P1213	EGR Positioner Circuit Low
P1214	Fuel Pump Speed Too High
P1215	Fuel Pump Speed Too Low
P1216	Fuel Pump Emergency Operation
P1217	Fuel Pump Overtemperature Condition

P1218	Throttle/Pedal Position Sensor/Switch 'A' Circuit (Bank 2)
P1219	Throttle/Pedal Position Sensor/Switch 'A' Circuit Range/Performance (Bank 2)
P121A	Brake Booster Pump Control Circuit/Open
P121B	Crankcase Ventilation Hose Disconnected / Defective (Bank 2)
P121C	NOx Sensor Heater Control Circuit Shorted (Bank 1)
P121D	Barometric Pressure 'B' Plausibility
P121E	NOx Sensor Linear Oxygen Sensor Signal Circuit/Open (Bank 1)
P121F	NOx Sensor Linear Oxygen Sensor Signal Circuit Shorted (Bank 1)
P1220	Throttle/Pedal Position Sensor/Switch 'A' Circuit Low (Bank 2)
P1221	Pedal Position Sensor 2 Circuit Range/Performance
P1222	Pedal Position Sensor 2 Circuit Low
P1223	Pedal Position Sensor 2 Circuit High
P1224	Pedal Position Sensor 1 and 2 Circuit Range/Performance
P1225	Throttle/Pedal Position Sensor/Switch 'A' Circuit High (Bank 2)
P1226	Throttle Malfunction (Flap Malfunction)
P1227	Throttle/Pedal Position Sensor/Switch 'B' Circuit Range/Performance (Bank 2)
P1228	Throttle/Pedal Position Sensor/Switch 'B' Circuit Low (Bank 2)
P1229	Throttle Sensor Adaptation Failure
P122A	Barometric Pressure Sensor 'B' Afterrunning Diagnosis Pressure Too Low
P122B	Barometric Pressure Sensor 'B' Afterrunning Diagnosis Pressure Too High
P122C	NOx Sensor Circuit Shorted (Bank 1)
P122D	NOx Sensor Circuit Shorted (Bank 2)
P122E	NOx Sensor Binary Oxygen Sensor Signal Circuit/Open (Bank 1)
P122F	NOx Sensor Binary Oxygen Sensor Signal Circuit Shorted (Bank 1)
P1230	Fuel Pump Relay Primary Circuit
P1231	Fuel Tank Pressure/Temperature Sensor Circuit/Open
P1232	Fuel Tank Pressure/Temperature Sensor Circuit Low
P1233	Fuel Tank Pressure/Temperature Sensor Circuit High
P1234	Fuel Pump Relay Primary Circuit Low
P1235	Fuel Pump Intermediate Shaft Sensor
P1236	Fuel Pump Relay Primary Circuit High
P1237	Secondary Upstream Manifold Air Pressure Sensor Circuit Low
P1238	Secondary Upstream Manifold Air Pressure Sensor Circuit High
P1239	Secondary Upstream Manifold Air Pressure Sensor Signal Too Low at Engine stop
P123A	Brake Booster Pump Current High
P123B	Brake Booster Pump Stuck
P123C	NOx Sensor Signal Binary Oxygen Sensor Signal Too Lean (Bank 1)
P123D	NOx Sensor Signal Linear Oxygen Sensor Signal Too Lean (Bank 1)
P123E	NOx Sensor Signal Too Low (Bank 1)
P123F	Brake Booster Pump Fuse Defective
P1240	Secondary Upstream Manifold Air Pressure Sensor Signal Too Low at Idle Engine Running
P1241	Secondary Upstream Manifold Air Pressure Sensor Signal Too Low at Full Load for Low Engine Speed
P1242	Secondary Upstream Manifold Air Pressure Sensor Signal Too High in Deceleration
P1243	Throttle/Pedal Position Sensor/Switch 'B' Circuit High (Bank 2)
P1244	Fuel Pump Emergency Cut-Off
P1245	Charge Air Temperature Sensor Circuit High
P1246	Charge Air Temperature Sensor Circuit Low
P1247	Barometric Pressure 'A' Plausibility
P1248	Forced Upshift due to Overtemperature Condition Engine Oil and/or Engine Coolant
P1249	Fuel Volume Regulator 'B' Control Circuit Open
P124A	Brake Booster Pump Cut-Off, Permanent Operation
P124B	Brake Booster Pump Cut-Off, Overvoltage
P124C	NOx Sensor Signal Not Available On Startup (Bank 1)

P124D	NOx Sensor Signal Not Available During Operation (Bank 1)
P124E	NOx Sensor Signal Not Available On Startup (Bank 2)
P124F	NOx Sensor Signal Not Available During Operation (Bank 2)
P1250	Manifold Absolute Pressure Too High
P1251	Boost Pressure Positioner Circuit High
P1252	Boost Pressure Positioner Circuit Low
P1253	Boost Pressure Positioner Circuit Open
P1254	Boost Pressure Positioner Output Stage Over Temperature
P1255	Manifold Absolute Pressure Too Low
P1256	Boost Pressure Positioner Circuit High (Bank 2)
P1257	Boost Pressure Positioner Circuit Low (Bank 2)
P1258	Boost Pressure Positioner Circuit Open (Bank 2)
P1259	Boost Pressure Positioner Output Stage Over Temperature (Bank 2)
P125A	NOx Sensor Heater Control Circuit Heater Output Too Low On Startup (Bank 1)
P125B	NOx Sensor Heater Control Circuit Heater Output Too Low During Operation (Bank 1)
P125C	NOx Sensor Heater Control Circuit Heater Supply Voltage (Bank 1)
P125D	Brake System Leak
P125E	Brake Booster Pressure Signal Invalid
P125F	Brake Booster Vacuum Insufficient
P1260	Turbocharger/Supercharger Boost Control Cut-Off (Bank 1)
P1261	Mass or Volume Air Flow Too High at Idle
P1262	Mass or Volume Air Flow Too High at Full Load
P1263	Mass or Volume Air Flow Too High at Idle (Bank 2)
P1264	Mass or Volume Air Flow Too High at Full Load (Bank 2)
P1265	EGR Positioner Circuit High (Bank 2)
P1266	EGR Positioner Circuit Low (Bank 2)
P1267	EGR Positioner Circuit Open (Bank 2)
P1268	EGR Positioner Output Stage Over Temperature (Bank 2)
P1269	EGR Positioner Output Stage Over Temperature
P126A	NOx Sensor Signal / Signal Linear Oxygen Sensor Correlation (Bank 1)
P126B	Turbocharger/Supercharger Wastegate 'A' Shorted
P126C	Nox Sensor Signal Error at Start of Loading (Bank 1)
P126D	Nox Sensor Signal Error at Start of Loading (Bank 2)
P126E	NOx Sensor Signal Binary Oxygen Sensor Signal Too Rich During Deceleration Test (Bank 1)
P126F	NOx Sensor Signal Linear Oxygen Sensor Signal Too Rich During Deceleration Test (Bank 1)
P1270	Control Module Self-Test, Torque Monitoring (M73: Mass Air Flow Sensor Bank Comparison Plausibility)
P1271	Ambient Air Pressure Sensor Electrical (M73: Altitude Pressure Sensor / Charging Pressure Value Comparison Plausibility)
P1272	Boost Pressure Positioner Mechanical or Electrical (Bank 1)
P1273	Boost Pressure Positioner Signal Plausibility (Bank 1)
P1274	Boost Pressure Positioner Supply Voltage Too Low (Bank 1)
P1275	Boost Pressure Positioner Mechanical or Electrical (Bank 2)
P1276	Boost Pressure Positioner Signal Plausibility (Bank 2)
P1277	Boost Pressure Positioner Supply Voltage Too Low (Bank 2)
P1278	Engine Smoothness Control Correction Quantity Too High
P1279	Engine Smoothness Control Correction Quantity Too Low
P127A	NOx Sensor Signal Too High During Deceleration Test (Bank 1)
P127B	NOx Sensor Signal Too Low During Deceleration Test (Bank 1)
P127C	Turbocharger/Supercharger Wastegate Over Temperature
P127D	Turbocharger/Supercharger Wastegate 'A' Position Sensor Circuit Low
P127E	Turbocharger/Supercharger Wastegate 'A' Position Sensor Circuit High
P127F	Turbocharger/Supercharger Wastegate 'A' Position Sensor Supply Voltage Circuit Low
P1280	Air Assisted Injection System Circuit (Bank 1)
P1281	Fuel Volume Regulator 'B' Control Circuit Low

P1282	Fuel Volume Regulator 'B' Control Circuit High
P1283	Switching Solenoid for Air Assisted Injection Valves Control Circuit Electrical (Bank 1)
P1284	Turbocharger/Supercharger Wastegate 'A' Tight
P1285	Cold Start Turbocharger/Supercharger Wastegate 'A' Tight
P1286	EGR Positioner Circuit Open
P1287	Switching Solenoid for Air Assisted Injection Valves Control Circuit Electrical (Bank 2)
P1288	Alternative Fuel Sensor Circuit Low
P1289	Alternative Fuel Sensor Circuit High
P128A	Nox Sensor Signal Regeneration NOx Trap (Bank 1)
P128B	Nox Sensor Signal Regeneration Stop NOx Trap (Bank 1)
P128C	Fuel Volume Regulator Low Side Control Circuit Shorted
P128D	Fuel Volume Regulator 'B' Low Side Control Circuit Shorted
P128E	NOx Sensor Binary Oxygen Sensor Signal Circuit Dynamics Too Low (Bank 1)
P128F	Fuel Volume Regulator High Side Control Circuit Shorted
P1290	Cold Start Turbocharger/Supercharger Wastegate 'A' Stop Not Learned
P1291	Fuel Volume Regulator Output Stage Over Temperature
P1292	Charge Limitation Plausibility
P1293	Charge Limitation Lambda Too Rich
P1294	Charge Limitation Overload High Pressure Pump
P1295	Boost Pressure Control Balance System Deviation Too High
P1296	Boost Pressure Control Boost Pressure Too High
P1297	Boost Pressure Control Boost Pressure Too Low
P1298	Serial Communication NOx Sensor (Bank 1)
P1299	Serial Communication NOx Sensor (Bank 2)
P129A	Boost Sensor 'A' Afterrunning Diagnosis Pressure Implausible
P129B	Manifold Absolute Pressure Sensor 'A' Afterrunning Diagnosis Pressure Implausible
P129C	Barometric Pressure Sensor Afterrunning Diagnosis Pressure Implausible
P129D	Manifold Absolute Pressure Maximum Pressure Implausible
P129E	Manifold Absolute Pressure Minimum Pressure Implausible
P129F	Turbocharger/Supercharger Boost Control Cut-Off (Bank 2)
P12A0	Turbocharger/Supercharger Boost Pressure, Pressure Front Of Throttle Valve Too High
P12A1	Turbocharger/Supercharger Boost Pressure, Pressure Front Of Throttle Valve Too Low
P12A2	Turbocharger/Supercharger Boost Pressure, Maximum Pressure Front Of Throttle Valve Implausible
P12A3	Turbocharger/Supercharger Boost Pressure, Minimum Pressure Front Of Throttle Valve Implausible
P12A4	Manifold Absolute Pressure Sensor 'A' Afterrunning Diagnosis Pressure Too Low
P12A5	Manifold Absolute Pressure Sensor 'A' Afterrunning Diagnosis Pressure Too High
P12A6	Manifold Absolute Pressure Sensor 'B' Afterrunning Diagnosis Pressure Too Low
P12A7	Manifold Absolute Pressure Sensor 'B' Afterrunning Diagnosis Pressure Too High
P12A8	Boost Sensor 'A' Afterrunning Diagnosis Pressure Too Low
P12A9	Boost Sensor 'A' Afterrunning Diagnosis Pressure Too High
P12AA	Cylinder 1 Injector Small Quantity Adaptation out of Range
P12AB	Cylinder 2 Injector Small Quantity Adaptation out of Range
P12AC	Cylinder 3 Injector Small Quantity Adaptation out of Range
P12AD	Cylinder 4 Injector Small Quantity Adaptation out of Range
P12AE	Cylinder 5 Injector Small Quantity Adaptation out of Range
P12AF	Cylinder 6 Injector Small Quantity Adaptation out of Range
P12B0	Cylinder 7 Injector Small Quantity Adaptation out of Range
P12B1	Cylinder 8 Injector Small Quantity Adaptation out of Range
P12B2	Cylinder 9 Injector Small Quantity Adaptation out of Range
P12B3	Cylinder 10 Injector Small Quantity Adaptation out of Range
P12B4	Cylinder 11 Injector Small Quantity Adaptation out of Range
P12B5	Cylinder 12 Injector Small Quantity Adaptation out of Range
P12B6	Boost Sensor 'B' Afterrunning Diagnosis Pressure Too Low

P12B7	Boost Sensor 'B' Afterrunning Diagnosis Pressure Too High
P12B8	Barometric Pressure Sensor 'A' Afterrunning Diagnosis Pressure Too Low
P12B9	Barometric Pressure Sensor 'A' Afterrunning Diagnosis Pressure Too High
P12BA	Differential Pressure Sensor Intake Manifold Afterrunning Diagnosis Pressure Implausible
P12BB	Brake Booster Pump Output Stage Current Flow
P12BC	Brake Booster Pump Output Stage Defective
P12BD	Brake Booster Pump Output Stage Over Temperature
P12BE	Fuel Volume Regulator 'B' High Side Control Circuit Shorted
P12BF	Fuel Volume Regulator Low Side/High Side Control Circuit Shorted
P12C0	Fuel Volume Regulator 'B' Low Side/High Side Control Circuit Shorted
P12C1	Turbocharger/Supercharger Wastegate 'B' Position Sensor Circuit High
P12C2	Turbocharger/Supercharger Wastegate 'B' Position Sensor Circuit Low
P12C3	Turbocharger/Supercharger Wastegate 'B' Position Sensor Supply Voltage Circuit Low
P12C4	Turbocharger/Supercharger Wastegate 'B' Tight
P12C5	Cold Start Turbocharger/Supercharger Wastegate 'B' Tight
P12C6	Cold Start Turbocharger/Supercharger Wastegate 'B' Stop Not Learned
P12C7	Turbocharger/Supercharger Wastegate 'A' Output Stage Temperature Too High
P12C8	Turbocharger/Supercharger Wastegate 'B' Shorted
P12C9	Turbocharger/Supercharger Wastegate 'B' Output Stage Temperature Too High
P12CA	Internal Control Module Turbocharger/Supercharger Wastegate 'B' Error
P12CB	Fuel Pump 'A' Control Circuit Shorted
P12CC	Fuel Pump Control Module 'A' Temperature Too High
P12CD	Fuel Pump Control Module 'A' Vehicle Parameter Set Error or Assembly Mode Active
P12CE	Charge Air Cooler Temperature Sensor Circuit Temperature Out of Range High (Bank 1)
P12CF	Intake Air Temperature Sensor 1 Circuit Signal Stuck (Bank 1)
P12D0	Fuel Rail/System High Pressure Fuel Pump 'A' Pressure Too Low
P12D1	Fuel Rail/System High Pressure Fuel Pump 'B' Pressure Too Low
P12D2	VVL-Sensors Supply Voltage Circuit Electrical (Bank 2)
P12D3	Brake Booster Protection System Shutdown
P12D4	NOx Sensor Self-Test Threshold 1 Exceeded
P12D5	NOx Sensor Self-Test Threshold 2 Exceeded
P12D6	NOx Sensor Version
P12D7	Turbocharger/Supercharger Wastegate 'A' Temperature Above Threshold
P12D8	Turbocharger/Supercharger Wastegate 'B' Temperature Above Threshold
P12D9	Internal Control Module Engine Coolant Pump Driver Temperature Too High
P12DA	Turbocharger/Supercharger Boost Pressure, Pressure Front Of Throttle Valve Too High during Engine Downtime
P12DB	Turbocharger/Supercharger Boost Pressure, Pressure Front Of Throttle Valve Too Low during Engine Downtime
P12DC	Cylinder 11 Fuel Injector Offset Learning at Min Limit
P12DD	Cylinder 11 Fuel Injector Offset Learning at Max Limit
P12DE	Cylinder 12 Fuel Injector Offset Learning at Min Limit
P12DF	Cylinder 12 Fuel Injector Offset Learning at Max Limit
P12E0	Fuel Trim Cylinder-Selective Total Adaptation at Min Limit (Bank 1)
P12E1	Fuel Trim Cylinder-Selective Total Adaptation at Max Limit (Bank 1)
P12E2	Fuel Trim Cylinder-Selective Total Adaptation at Min Limit (Bank 2)
P12E3	Fuel Trim Cylinder-Selective Total Adaptation at Max Limit (Bank 2)
P12E4	Cylinder 1 - Fuel Trim Total Adaptation at Min Limit
P12E5	Cylinder 1 - Fuel Trim Total Adaptation at Max Limit
P12E6	Cylinder 2 - Fuel Trim Total Adaptation at Min Limit
P12E7	Cylinder 2 - Fuel Trim Total Adaptation at Max Limit
P12E8	Cylinder 3 - Fuel Trim Total Adaptation at Min Limit
P12E9	Cylinder 3 - Fuel Trim Total Adaptation at Max Limit
P12EA	Cylinder 4 - Fuel Trim Total Adaptation at Min Limit
P12EB	Cylinder 4 - Fuel Trim Total Adaptation at Max Limit

P12EC	Cylinder 5 - Fuel Trim Total Adaptation at Min Limit
P12ED	Cylinder 5 - Fuel Trim Total Adaptation at Max Limit
P12EE	Cylinder 6 - Fuel Trim Total Adaptation at Min Limit
P12EF	Cylinder 6 - Fuel Trim Total Adaptation at Max Limit
P12F0	Cylinder 7 - Fuel Trim Total Adaptation at Min Limit
P12F1	Cylinder 7 - Fuel Trim Total Adaptation at Max Limit
P12F2	Cylinder 8 - Fuel Trim Total Adaptation at Min Limit
P12F3	Cylinder 8 - Fuel Trim Total Adaptation at Max Limit
P12F4	Cylinder 9 - Fuel Trim Total Adaptation at Min Limit
P12F5	Cylinder 9 - Fuel Trim Total Adaptation at Max Limit
P12F6	Cylinder 10 - Fuel Trim Total Adaptation at Min Limit
P12F7	Cylinder 10 - Fuel Trim Total Adaptation at Max Limit
P12F8	Cylinder 11 - Fuel Trim Total Adaptation at Min Limit
P12F9	Cylinder 11 - Fuel Trim Total Adaptation at Max Limit
P12FA	Cylinder 12 - Fuel Trim Total Adaptation at Min Limit
P12FB	Cylinder 12 - Fuel Trim Total Adaptation at Max Limit
P12FC	Engine Coolant Pump Flap Position Control Circuit/Open
P12FD	Charge Air Cooler Coolant Pump RPM Too Low
P12FE	Charge Air Cooler Signal Implausible
P12FF	Internal Control Module Charge Air Cooler Driver Temperature Too High
P1300	Camshaft Position Sensor 'A' Segment Timing Error (Bank 1)
P1301	Ignition Monitoring Cylinder 1 Spark Duration Too Short
P1302	Ignition Monitoring Cylinder 2 Spark Duration Too Short
P1303	Ignition Monitoring Cylinder 3 Spark Duration Too Short
P1304	Ignition Monitoring Cylinder 4 Spark Duration Too Short
P1305	Ignition Monitoring Cylinder 5 Spark Duration Too Short
P1306	Ignition Monitoring Cylinder 6 Spark Duration Too Short
P1307	Ignition Monitoring Cylinder 7 Spark Duration Too Short
P1308	Ignition Monitoring Cylinder 8 Spark Duration Too Short
P1309	Ignition Monitoring Cylinder 9 Spark Duration Too Short
P130A	Camshaft Position Sensor 'B' Segment Timing Error (Bank 1)
P130B	Ionic Current Control Module Control Line Ignition Cylinder 1 Low
P130C	Ionic Current Control Module Control Line Ignition Cylinder 2 Low
P130D	Ionic Current Control Module Control Line Ignition Cylinder 3 Low
P130E	Ionic Current Control Module Control Line Ignition Cylinder 4 Low
P130F	Ionic Current Control Module Control Line Ignition Cylinder 5 Low
P1310	Ignition Monitoring Cylinder 10 Spark Duration Too Short
P1311	Ignition Monitoring Cylinder 11 Spark Duration Too Short
P1312	Ignition Monitoring Cylinder 12 Spark Duration Too Short
P1313	'A' Camshaft Position Actuator Plausibility (S54 to 09/00: 'B' Camshaft Position Sensor Circuit Intermittent Bank 1)
P1314	Fuel Mixture Deviation Detected with Low Fuel
P1315	Camshaft Position Sensor 'A' Circuit Signal Duration after Initialization (Bank 1)
P1316	Camshaft Position Sensor 'A' Circuit Signal Duration during Initialization (Bank 1)
P1317	'B' Camshaft Position Actuator Plausibility
P1318	Camshaft Position Sensor 'B' Circuit Signal Duration after Initialization (Bank 1)
P1319	Camshaft Position Sensor 'B' Circuit Signal Duration during Initialization (Bank 1)
P131A	Ionic Current Control Module Control Line Ignition Cylinder 6 Low
P131B	Ionic Current Control Module Control Line Ignition Cylinder 7 Low
P131C	Ionic Current Control Module Control Line Ignition Cylinder 8 Low
P131D	Ionic Current Control Module Control Line Ignition Cylinder 9 Low
P131E	Ionic Current Control Module Control Line Ignition Cylinder 10 Low
P131F	Ionic Current Control Module Control Line Ignition Cylinder 1 High
P1320	Flywheel Adaptation for Misfire Detection Range

P1321	Flywheel Adaptation for Misfire Detection Performance
P1322	A Camshaft Parking Position not Reached (Bank 1)
P1323	A Camshaft Starting Position not Reached (Bank 1)
P1324	B Camshaft Parking Position not Reached (Bank 1)
P1325	B Camshaft Starting Position not Reached (Bank 1)
P1326	'A' Camshaft Position Timing Reference Position out of Range (Bank 1)
P1327	Knock/Combustion Vibration Sensor 2 Circuit Low (Bank 1)
P1328	Knock/Combustion Vibration Sensor 2 Circuit High (Bank 1)
P1329	Knock/Combustion Vibration Sensor 3 Circuit Low (Bank 2)
P132A	Ionic Current Control Module Control Line Ignition Cylinder 2 High
P132B	Ionic Current Control Module Control Line Ignition Cylinder 3 High
P132C	Ionic Current Control Module Control Line Ignition Cylinder 4 High
P132D	Ionic Current Control Module Control Line Ignition Cylinder 5 High
P132E	Ionic Current Control Module Control Line Ignition Cylinder 6 High
P132F	Ionic Current Control Module Control Line Ignition Cylinder 7 High
P1330	Knock/Combustion Vibration Sensor 3 Circuit High (Bank 2)
P1331	'B' Camshaft Position Timing Reference Position out of Range (Bank 1)
P1332	Knock/Combustion Vibration Sensor 4 Circuit Low
P1333	Knock/Combustion Vibration Sensor 4 Circuit High
P1334	Knock/Combustion Vibration Sensor 5 Circuit Low
P1335	Knock/Combustion Vibration Sensor 5 Circuit High
P1336	Knock/Combustion Vibration Sensor 6 Circuit Low
P1337	Knock/Combustion Vibration Sensor 6 Circuit High
P1338	Camshaft Position Sensor 'A' Faulty Phase Position (Bank 1)
P1339	Camshaft Position Sensor 'B' Faulty Phase Position (Bank 1)
P133A	Ionic Current Control Module Control Line Ignition Cylinder 8 High
P133B	Ionic Current Control Module Control Line Ignition Cylinder 9 High
P133C	Ionic Current Control Module Control Line Ignition Cylinder 10 High
P133D	Ionic Current Control Module Control Line Ignition Cylinder 1 Open Circuit
P133E	Ionic Current Control Module Control Line Ignition Cylinder 2 Open Circuit
P133F	Ionic Current Control Module Control Line Ignition Cylinder 3 Open Circuit
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
P134A	Ionic Current Control Module Control Line Ignition Cylinder 4 Open Circuit
P134B	Ionic Current Control Module Control Line Ignition Cylinder 5 Open Circuit
P134C	Ionic Current Control Module Control Line Ignition Cylinder 6 Open Circuit
P134D	Ionic Current Control Module Control Line Ignition Cylinder 7 Open Circuit
P134E	Ionic Current Control Module Control Line Ignition Cylinder 8 Open Circuit
P134F	Ionic Current Control Module Control Line Ignition Cylinder 9 Open Circuit
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
P135A	Ionic Current Control Module Control Line Ignition Cylinder 10 Open Circuit
P135B	Knock/Combustion Vibration Sensor 2 Circuit Range/Performance (Bank 1)
P135C	Knock/Combustion Vibration Sensor 2 Circuit (Bank 1)
P135D	Knock/Combustion Vibration Sensor 5 Circuit
P135E	Knock/Combustion Vibration Sensor 6 Circuit
P135F	Knock/Combustion Vibration Sensor 3 Circuit Range/Performance (Bank 2)
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
P1366	Ignition Coil 'A' Primary/Secondary Circuit Low
P1367	Ignition Coil 'B' Primary/Secondary Circuit Low
P1368	Ionic Current Signal Low (Bank 2)
P1369	Ionic Current No Signal (Bank 2)
P136A	'A' Camshaft Stuck (Bank 2)
P136B	'B' Camshaft Stuck (Bank 2)
P136C	Knock Control Super Knocking Detected
P136D	Ion Ignition Coil Cylinder 1
P136E	Ion Ignition Coil Cylinder 2
P136F	Ion Ignition Coil Cylinder 3
P1370	Ionic Current Signal Amplification Control Circuit Low (Bank 1)
P1371	Ionic Current Signal Amplification Control Circuit High (Bank 1)
P1372	Ionic Current Signal Amplification Control Circuit Open (Bank 1)
P1373	Ionic Current Signal Amplification Control Circuit Low (Bank 2)
P1374	Ionic Current Signal Amplification Control Circuit High (Bank 2)
P1375	Ionic Current Signal Amplification Control Circuit Open (Bank 2)
P1376	Ion Ignition Coil Cylinder 4
P1377	Camshaft Position Sensor Master Camshaft not Defined
P1378	Control Module Self-Test, Knock Control Offset (Bank 2)
P1379	Control Module Self-Test, Knock Control Test Pulse (Bank 2)
P137A	Knock Control Super Knocking Caused by Defective Ignition Coil
P137B	Knock Control Super Knocking Caused by Defective Knock Sensor
P137C	Cold Start Ignition Timing Performance (Bank 2)
P137D	Knock Control Torque Limitation Caused by Too High Number of Super Knocking
P137E	Knock Control Permanent Torque Limitation Caused by Too High Number of Super Knocking
P137F	Knock Control Fuel Cut-Off due to Super Knocking
P1380	Control Module Self-Test, Knock Control Circuit Baseline Test (Bank 2)
P1381	Control Module Self-Test, Knock Control Offset (Bank 1)
P1382	Control Module Self-Test, Knock Control Test Pulse (Bank 1)
P1383	Ignition Monitoring Malfunction
P1384	Knock Sensor 3 Circuit
P1385	Knock Sensor 4 Circuit
P1386	Control Module Self-Test, Knock Control Circuit Baseline Test (Bank 1)
P1387	Ionic Current Signal Low (Bank 1)
P1388	Ionic Current No Signal (Bank 1)
P1389	Ion Ignition Coil Cylinder 5
P138A	Ion Ignition Coil Cylinder 6

P138B	Ion Ignition Coil Cylinder 7
P138C	Ion Ignition Coil Cylinder 8
P138D	Ion Ignition Coil Cylinder 9
P138E	Ion Ignition Coil Cylinder 10
P138F	Crankshaft Position Sensor Signal Synchronization Error
P1390	Ionic Current Voltage Selection Measuring-Circuit Low
P1391	Ionic Current Voltage Selection Measuring-Circuit High
P1392	Ionic Current Voltage Selection Measuring-Circuit Open
P1393	Ionic Current Voltage Selection Circuit Low
P1394	Ionic Current Voltage Selection Circuit High
P1395	Ionic Current Voltage Selection Open Circuit
P1396	Crankshaft Position Sensor Segment Timing Plausibility
P1397	Camshaft Position Sensor 'B' Circuit (Bank 1)
P1398	Internal Ionic Current Control Module Error (Bank 1)
P1399	Internal Ionic Current Control Module Error (Bank 2)
P139A	Camshaft Position Sensor 'A' Segment Timing Error (Bank 2)
P139B	Camshaft Position Sensor 'B' Segment Timing Error (Bank 2)
P139C	Crankshaft Position Sensor Pulse-Width Error
P139D	Timing Reference High Resolution Signal 'A' Intermittent/Erratic Pulses during Start
P139E	Timing Reference High Resolution Signal 'A' during Start
P139F	Engine Backward Spinning
P13A0	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 1
P13A1	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 2
P13A2	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 3
P13A3	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 4
P13A4	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 5
P13A5	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 6
P13A6	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 7
P13A7	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 8
P13A8	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 9
P13A9	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 10
P13AA	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 11
P13AB	Knock Control Fuel Cut-Off due to Super Knocking Cylinder 12
P13AC	Knock/Combustion Vibration Sensor 5 Circuit Range/Performance
P13AD	Knock/Combustion Vibration Sensor 6 Circuit Range/Performance
P13AE	Knock Sensor 1 Circuit 'A' Low (Bank 1)
P13AF	Knock Sensor 1 Circuit 'A' High (Bank 1)
P13B0	Camshaft Position Sensor Signal 'A' Synchronization Error (Bank 1)
P13B1	Camshaft Position Sensor Signal 'A' Synchronization Error (Bank 2)
P13B2	Camshaft Position Sensor Signal 'B' Synchronization Error (Bank 1)
P13B3	Camshaft Position Sensor Signal 'B' Synchronization Error (Bank 2)
P13B4	Crankshaft / 'A' Camshaft Reference Error (Bank 1)
P13B5	Crankshaft / 'A' Camshaft Reference Error (Bank 2)
P13B6	Crankshaft / 'B' Camshaft Reference Error (Bank 1)
P13B7	Crankshaft / 'B' Camshaft Reference Error (Bank 2)
P13B8	Knock Sensor 1 Circuit 'B' Low (Bank 1)
P13B9	Knock Sensor 1 Circuit 'B' High (Bank 1)
P13BA	'A' Camshaft Tooth Off (Bank 1)
P13BB	'A' Camshaft Tooth Off (Bank 2)
P13BC	'B' Camshaft Tooth Off (Bank 1)
P13BD	'B' Camshaft Tooth Off (Bank 2)
P13BE	Knock Sensor 2 Circuit 'A' Low (Bank 1)
P13BF	Knock Sensor 2 Circuit 'A' High (Bank 1)

P13C0	'A' Camshaft Stuck (Bank 1)
P13C1	Ignition Monitoring Cylinder 1
P13C2	Ignition Monitoring Cylinder 2
P13C3	Ignition Monitoring Cylinder 3
P13C4	Ignition Monitoring Cylinder 4
P13C5	Ignition Monitoring Cylinder 5
P13C6	Ignition Monitoring Cylinder 6
P13C7	Knock Sensor 2 Circuit 'B' Low (Bank 1)
P13C8	Knock Sensor 2 Circuit 'B' High (Bank 1)
P13C9	'B' Camshaft Stuck (Bank 1)
P13CA	'A' Camshaft Incorrect Assembly (Bank 1)
P13CB	'B' Camshaft Incorrect Assembly (Bank 1)
P13CC	Ignition and Injectors Relay Power Supply Circuit Ignition Circuit/Open
P13CD	Ignition and Injectors Relay Power Supply Circuit Injection Circuit/Open (Bank 1)
P13CE	Crankshaft Sensor Direction of Rotation Implausible
P13CF	Cold Start Ignition Timing Performance Off Idle (Bank 2)
P13D0	Knock Sensor 3 Circuit 'A' Low (Bank 2)
P13D1	Knock Sensor 3 Circuit 'A' High (Bank 2)
P13D2	Knock Sensor 3 Circuit 'B' Low (Bank 2)
P13D3	Knock Sensor 3 Circuit 'B' High (Bank 2)
P13D4	Knock Sensor 4 Circuit 'A' Low (Bank 2)
P13D5	Knock Sensor 4 Circuit 'A' High (Bank 2)
P13D6	Knock Sensor 4 Circuit 'B' Low (Bank 2)
P13D7	Knock Sensor 4 Circuit 'B' High (Bank 2)
P13D8	Camshaft Position Sensor 'A' Faulty Phase Position (Bank 2)
P13D9	Camshaft Position Sensor 'B' Faulty Phase Position (Bank 2)
P13DA	Knock/Combustion Vibration Control System Error (Bank 2)
P13DB	'A' Camshaft Incorrect Assembly (Bank 2)
P13DC	'B' Camshaft Incorrect Assembly (Bank 2)
P13DD	Ignition and Injectors Relay Power Supply Circuit Injection Circuit/Open (Bank 2)
P13DE	Ignition and Injectors Relay Power Supply Circuit Injection Circuit Low (Bank 1)
P13DF	Ignition and Injectors Relay Power Supply Circuit Injection Circuit High (Bank 1)
P13E0	Ignition and Injectors Relay Power Supply Circuit Injection Circuit Low (Bank 2)
P13E1	Ignition and Injectors Relay Power Supply Circuit Injection Circuit High (Bank 2)
P13E2	Ignition and Injectors Relay Not De-Energized
P13E3	Ignition and Injectors Relay Not Energized
P13E4	Ignition and Injectors Relay Switching Delay
P13E5	Ignition and Injectors Relay Control Circuit/Open
P13E6	Ignition and Injectors Relay Control Circuit Low
P13E7	Ignition and Injectors Relay Control Circuit High
P13E8	Ignition and Injectors Relay Power Supply Circuit Ignition Circuit Low (Bank 1)
P13E9	Ignition and Injectors Relay Power Supply Circuit Ignition Circuit High (Bank 1)
P13EA	Cold Start Ignition Timing Performance Off Idle (Bank 1)
P13EB	Ignition and Injectors Relay Power Supply Circuit Ignition Circuit Low (Bank 2)
P13EC	Ignition and Injectors Relay Power Supply Circuit Ignition Circuit High (Bank 2)
P1400	Cold Start EGR 'A' Control Stuck Open
P1401	Cold Start EGR 'A' Control Stuck Closed
P1402	Cold Start EGR 'B' Control Stuck Open
P1403	Carbon Canister Shutoff Valve Control Circuit Electrical (M73: Heated Catalyst Battery Voltage or Current Too Low during Heating (Bank 2))
P1404	Cold Start EGR 'B' Control Stuck Closed
P1405	EVAP System Leak Detection Module Engine Off Timer
P1406	Internal EVAP System Leak Detection Module Error
P1407	Fuel Level Signal 1

P1408	Fuel Level Signal 2
P1409	Fuel Level 1 CAN Error
P140A	Secondary Air Injection System Insufficient Total Flow (Bank 1 and Bank 2)
P140B	Secondary Air Injection System Insufficient Total Flow (Bank 1 and Bank 2) and Insufficient Flow (Bank 1)
P140C	Secondary Air Injection System Insufficient Total Flow (Bank 1 and Bank 2) and Insufficient Flow (Bank 2)
P140D	Secondary Air Injection System Switching Valve, Solenoid-Actuated, Stuck Open
P140E	Cylinder Injection Cut-Off, Fuel Level Too Low
P140F	Catalyst Conversion in Stratified Mode Efficiency Below Threshold (Bank 1)
P1410	Fuel Level Signal Circuit Range/Performance
P1411	Secondary Air Pump No Activity Detected
P1412	Secondary Air Pump/Secondary Air Valve Large Leak
P1413	Secondary Air Injection Pump Relay Control Circuit Signal Low
P1414	Secondary Air Injection Pump Relay Control Circuit Signal High
P1415	Mass or Volume Air Flow Too Low
P1416	Secondary Air Injection Valve Stuck Off
P1417	Throttle Control Incorrect Air Supply (Bank 1)
P1418	Secondary Air Injection Valve/Secondary Air Hose Clamped
P1419	Secondary Air Mass Flow Sensor Circuit
P141A	Exhaust Pressure Control Valve 2
P141B	Cylinder Injection Cut-Off, Pressure Too Low in High-Pressure System (Bank 2)
P141C	Exhaust Pressure Control Valve 2 Low
P141D	Exhaust Pressure Control Valve 2 High
P141E	Exhaust Pressure Control Valve 2 Intermittent
P141F	Catalyst Conversion in Stratified Mode Efficiency Below Threshold (Bank 2)
P1420	Secondary Air Injection Valve Control Circuit Electrical
P1421	Secondary Air System (Bank 2)
P1422	EVAP System Incorrect Purge Flow (Bank 2)
P1423	Secondary Air System (Bank 1)
P1424	Mass or Volume Air Flow Too High
P1425	Swirl Flap Circuit High
P1426	Swirl Flap Circuit Low
P1427	Swirl Flap Circuit Open
P1428	Swirl Flap Output Stage Over Temperature
P1429	Diagnostic Module Tank Leakage (DM-TL) Heater Control Circuit/Open
P142A	Crankcase Ventilation Heater Relay Circuit High
P142B	Crankcase Ventilation Heater Relay Circuit Low
P142C	Crankcase Ventilation Heater Relay Open Circuit
P142D	Fuel Level Sensor Signal Stuck
P142E	Cylinder Injection Cut-Off, Pressure Too Low in High-Pressure System (Bank 1)
P142F	Cylinder Injection Cut-Off, Pressure Too Low in Low-Pressure System
P1430	Diagnostic Module Tank Leakage (DM-TL) Heater Control Circuit Low
P1431	Diagnostic Module Tank Leakage (DM-TL) Heater Control Circuit High
P1432	Secondary Air Injection System Incorrect Flow Detected
P1433	Fuel Level 2 CAN Error
P1434	Diagnostic Module Tank Leakage (DM-TL)
P1435	EVAP System (Bank 2)
P1436	Leakage Diagnostic Pump Control Circuit/Open
P1437	Leakage Diagnostic Pump Circuit Range/Performance
P1438	Purge Control Valve Circuit/Open
P1439	EVAP System Vent Valve Stuck Open (Bank 2)
P143A	Direct Ozone Reduction Catalyst Temperature Sensor Tampering Installation Location
P143B	Direct Ozone Reduction Catalyst Temperature Sensor Wrong Code
P143C	Direct Ozone Reduction Catalyst Temperature / Radiator Coolant Temperature Correlation

P143D	EVAP System Pressure Sensor/Switch Stuck
P143E	Direct Ozone Reduction Catalyst Temperature Sensor Gradient Too Low
P143F	EVAP System Afterrunning Diagnosis
P1440	Fan
P1441	Leakage Diagnostic Pump Control Circuit/Open
P1442	Leakage Diagnostic Pump Control Circuit Low
P1443	Leakage Diagnostic Pump Control Circuit High
P1444	Diagnostic Module Tank Leakage (DM-TL) Pump Control Circuit/Open
P1445	Diagnostic Module Tank Leakage (DM-TL) Pump Control Circuit Low
P1446	Diagnostic Module Tank Leakage (DM-TL) Pump Control Circuit High
P1447	Diagnostic Module Tank Leakage (DM-TL) Pump Current Too High during Switching Solenoid Test
P1448	Diagnostic Module Tank Leakage (DM-TL) Pump Current Too Low
P1449	Diagnostic Module Tank Leakage (DM-TL) Pump Current Too High
P144A	Fuel Level / Tank Capacity Correlation
P144B	Fuel Level / Fuel Consumption Correlation
P144C	Fan Safety Relay Circuit
P144D	Fan Safety Relay Circuit Low
P144E	Fan Safety Relay Circuit High
P144F	Fan Safety Relay Circuit Range/Performance
P1450	Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Control Open Circuit
P1451	Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Control Circuit Low
P1452	Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Control Circuit High
P1453	Secondary Air Injection Pump Relay Control Circuit Electrical
P1454	Secondary Air Injection Pump with Series Resistor Control Circuit Electrical
P1455	Throttle Control Incorrect Air Supply (Bank 2)
P1456	Heated Catalyst Heater Power Supply Open Circuit (Bank 1)
P1457	Heated Catalyst Power Switch Temperature Sensor Electrical (Bank 1)
P1458	Battery Sensor 2, Extended Communication Circuit
P1459	Heated Catalyst Heater Power Supply Open Circuit (Bank 2)
P145A	Secondary Air Injection System Air Flow/Pressure Sensor Initialization, Pressure Out of Range (Bank 1)
P145B	Secondary Air Injection System Air Flow/Pressure Sensor Initialization, Pressure Out of Range (Bank 2)
P145C	Secondary Air Injection System Air Flow/Pressure Sensor Initialization, Pressure Difference Between 2 Driving Cycles (Bank 1)
P145D	Secondary Air Injection System Air Flow/Pressure Sensor Initialization, Pressure Difference Between 2 Driving Cycles (Bank 2)
P145E	Secondary Air Pump Performance Too Low (Bank 1)
P145F	Secondary Air Pump Performance Too Low (Bank 2)
P1460	Heated Catalyst Power Switch Temperature Sensor Electrical (Bank 2)
P1461	Heated Catalyst Gate Voltage Signal Low
P1462	Heated Catalyst Internal Control Module Check Sum/EEPROM Error
P1463	Heated Catalyst Battery Temperature Sensor 1 Electrical
P1464	Heated Catalyst Battery Temperature Sensor 2 Electrical
P1465	Heated Catalyst Battery Temperature Sensor 1 or 2 Plausibility
P1466	Heated Catalyst Power Switch Temperature Sensor Plausibility
P1467	Heated Catalyst Comparison Battery Voltages of Power Switches Plausibility
P1468	EVAP System Tank Function Module Engine Off Timer
P1469	MSA (Engine Start Automatic) Start Delay
P146A	Fuel Fill Door Lock Stuck Open
P146B	Fuel Fill Door Lock Stuck Closed
P146C	Secondary Air Line Leaking (Bank 1)
P146D	Secondary Air Line Leaking (Bank 2)
P146E	Charge Air Cooler Coolant Pump RPM Regulation, Excess Temperature
P146F	Charge Air Cooler Coolant Pump RPM Regulation, Overcurrent
P1470	Leakage Diagnostic Pump Control Circuit Electrical
P1471	Leakage Diagnostic Pump Control Circuit/Open

P1472	Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Control Circuit Electrical
P1473	Diagnostic Module Tank Leakage (DM-TL) Pump Current Plausibility
P1474	Leakage Diagnostic Pump Reed Switch Does not Close
P1475	Leakage Diagnostic Pump Reed Switch Did not Close
P1476	Leakage Diagnostic Pump Clamped Tube (M52 MY99/00: Leakage Diagnostic Pump Reed Switch Circuit)
P1477	Leakage Diagnostic Pump Reed Switch Did Not Open
P1478	Evaporative Emission System Leak Detected (very small leak)
P1479	Air Mass Flow Sensor (Bank 2) Defective
P147A	EVAP System Pressure Sensor/Switch Pressure Implausible
P147B	EVAP System Pressure Sensor/Switch Frame Error
P147C	EVAP System Pressure Sensor/Switch Mechanical
P147D	EVAP System Leak Detection Module Circuit/Open
P147E	EVAP System Leak Detection Module Circuit Low
P147F	EVAP System Leak Detection Module Circuit High
P1480	Internal Control Module Coolant Pump 'A' Output Stage Over Temperature
P1481	Engine Cooling Fan Relay 1 Control Circuit Low
P1482	Engine Cooling Fan Relay 1 Control Circuit High
P1483	Diagnostic Module Tank Leakage (DM-TL) Heater Control Circuit High
P1484	Engine Cooling Fan Relay 2 Control Circuit Low
P1485	Engine Cooling Fan Relay 2 Control Circuit High
P1486	Internal Control Module Ignition and Injectors Relay Output Stage Over Temperature
P1487	Internal Control Module Text VVL-Relay Output Stage Over Temperature
P148A	Tank Shutoff Valve Control Circuit
P148B	Tank Shutoff Valve Control Circuit Low
P148C	Tank Shutoff Valve Control Circuit High
P148D	Tank Shutoff Valve Control Circuit Shorted
P148E	Tank Shutoff Valve Stuck Off
P148F	Tank Shutoff Valve Stuck On
P1490	Exhaust Gas Temperature Sensor 'A' Electrical
P1491	EGR Flow Insufficient Detected (Bank 2)
P1492	EGR Flow Excessive Detected (Bank 2)
P1495	Barometric Pressure Sensor Electrical
P1496	Cold Start Idle Air Control System RPM Implausible (Bank 1)
P1497	Downstream Throttle Air Leak
P1498	Cold Start Idle Air Control System RPM Implausible (Bank 2)
P149A	EVAP System Shutoff Valve Control Circuit
P149B	EVAP System Shutoff Valve Control Circuit Low
P149C	EVAP System Shutoff Valve Control Circuit High
P149D	EVAP System Shutoff Valve Stuck Off
P14A0	Exhaust Gas Back Pressure Sensor Circuit Low (Bank 1, front of Particle Filter)
P14A1	Exhaust Gas Back Pressure Sensor Circuit High (Bank 1, front of Particle Filter)
P14A2	Exhaust Gas Back Pressure Sensor Circuit Range/Performance (Bank 1, front of Particle Filter)
P14A3	Exhaust Gas Back Pressure Sensor / Boost Sensor / Ambient Pressure Sensor Correlation (Bank 1, front of Particle Filter)
P14A4	Exhaust Gas Temperature Sensor Circuit Low (Bank 1, front of Diesel Particulate Filter)
P14A5	Exhaust Gas Temperature Sensor Circuit High (Bank 1, front of Diesel Particulate Filter)
P14A6	Particle Filter Flow Resistance Low (Bank 1)
P14A7	Particle Filter Flow Resistance High (Bank 1)
P14A8	Battery Sensor 2 Variant Plausibility
P14AA	Battery Sensor 2 Temperature Too High
P14AB	Battery Sensor 2 Temperature Too Low
P14AC	Battery Sensor 2 Current Too High
P14AD	Battery Sensor 2 Current Too Low
P14AE	Battery Sensor 2 Voltage Too High

P14AF	Battery Sensor 2 Voltage Too Low
P14B0	Exhaust Gas Back Pressure Sensor Circuit Low (Bank 2, front of Particle Filter)
P14B1	Exhaust Gas Back Pressure Sensor Circuit High (Bank 2, front of Particle Filter)
P14B2	Exhaust Gas Back Pressure Sensor Circuit Range/Performance (Bank 2, front of Particle Filter)
P14B3	Exhaust Gas Back Pressure Sensor / Boost Sensor / Ambient Pressure Sensor Correlation (Bank 2, front of Particle Filter)
P14B4	Exhaust Gas Temperature Sensor Circuit Low (Bank 2, front of Diesel Particulate Filter)
P14B5	Exhaust Gas Temperature Sensor Circuit High (Bank 2, front of Diesel Particulate Filter)
P14B6	Particle Filter Flow Resistance Low (Bank 2)
P14B7	Particle Filter Flow Resistance High (Bank 2)
P14BA	EVAP System Isolation Valve Control Circuit/Open
P14BB	EVAP System Isolation Valve Control Circuit Low
P14BC	EVAP System Isolation Valve Control Circuit High
P14BD	EVAP System Isolation Valve Stuck Open
P14BE	EVAP System Isolation Valve Stuck Closed
P14BF	Limp Home Request Hybrid/EV Battery Temperature Threshold 'B' Exceeded
P14C0	Fan 1 Mechanical or Hardware Defect
P14C1	Controlled Air Shutter Mechanical or Hardware Defect
P14C2	DISA (Differentiated Intake Manifold) Actuator 1 Mechanical or Hardware Defect
P14C3	DISA (Differentiated Intake Manifold) Actuator 2 Mechanical or Hardware Defect
P14C4	Controlled Upper Air Shutter Mechanical
P14C5	Controlled Upper Air Shutter Hardware Defect
P14C6	Controlled Lower Air Shutter Electrical
P14C7	Limp Home Request Drive Motor 'A' Control Module
P14C8	Limp Home Request ETC
P14C9	Limp Home Request Hybrid/EV Battery Temperature Threshold 'A' Exceeded
P14CA	Battery Sensor Temperature Too High
P14CB	Battery Sensor Temperature Too Low
P14CC	Battery Sensor Current Too High
P14CD	Battery Sensor Current Too Low
P14CE	Battery Sensor Voltage Too High
P14CF	Battery Sensor Voltage Too Low
P14D0	Low Pressure EGR Cooler Efficiency Below Threshold
P14EA	Heat Management Module Circuit Range/Performance
P14EB	Heat Management Module Circuit Low
P14EC	Heat Management Module Circuit High
P14ED	Heat Management Module Stuck Closed
P14EE	Heat Management Module Stuck Open
P14F0	Wheel Speed Sensor Front/Left Circuit Low
P14F1	Wheel Speed Sensor Front/Left Circuit High
P14F2	Wheel Speed Sensor Front/Right Circuit Low
P14F3	Wheel Speed Sensor Front/Right Circuit High
P14F4	Wheel Speed Sensor Rear/Left Circuit Low
P14F5	Wheel Speed Sensor Rear/Left Circuit High
P14F6	Wheel Speed Sensor Rear/Right Circuit Low
P14F7	Wheel Speed Sensor Rear/Right Circuit High
P14F8	Internal Control Module Thermostat Heater Driver Temperature Too High
P14F9	Thermostat Heater Stuck Closed
P14FA	Fan 1 Error Stage 1
P14FB	Fan 1 Error Stage 2
P14FC	Fan 1 Error Stage 3
P14FD	Fan 1 Error Stage 4
P14FE	Fan 1 Error Stage 5
P14FF	Fan 1 Error Stage 6

P1500	Idle-Speed Control Valve Stuck Open
P1501	Idle-Speed Control Valve Stuck Closed
P1502	Idle-Speed Control Valve Closing Solenoid Control Circuit High
P1503	Idle-Speed Control Valve Closing Solenoid Control Circuit Low
P1504	Idle-Speed Control Valve Closing Solenoid Control Open Circuit
P1505	Vehicle Speed Implausible
P1506	Idle-Speed Control Valve Opening Solenoid Control Circuit High
P1507	Idle-Speed Control Valve Opening Solenoid Control Circuit Low
P1508	Idle-Speed Control Valve Opening Solenoid Control Open Circuit
P1509	Idle-Speed Control Valve Opening Solenoid Control Circuit Electrical
P150A	Battery Sensor, Extended Communication Circuit
P150B	Battery Sensor BSD (Bit Serial Data Interface) Communication Circuit
P150C	Battery Sensor Firmware Implausible
P150D	Battery Sensor Temperature Error
P150E	Battery Sensor Voltage Error
P150F	Battery Sensor Current Error
P1510	Idle-Speed Control Valve Stuck
P1511	DISA (Differentiated Intake Manifold) Control Circuit Electrical
P1512	DISA (Differentiated Intake Manifold) Control Circuit Low
P1513	DISA (Differentiated Intake Manifold) Control Circuit High
P1514	Accelerator Pedal / Brake Pedal Plausibility
P1515	External Engine Off Timer Range/Performance
P1516	Thermostat Heater Control Circuit Range/Performance
P1517	Rough Road Detection No Wheel Speed Signal
P1518	Rough Road Detection Wheel Speed Too High
P1519	Engine Oil Quality Sensor Temperature Measurement (M62/M52/S52: 'A' Camshaft Position Actuator Bank 1)
P151A	Battery Sensor Terminal 15/30 Wakeup Circuit
P151B	Battery Sensor Wakeup Circuit
P151C	Battery Sensor System Error
P151D	Battery Sensor Terminal 15 Circuit Low
P151E	Battery Sensor Terminal 15 Voltage Error
P151F	CAN Message Monitoring Vehicle Speed Sensor Timeout
P1520	Engine Oil Quality Sensor Level Measurement (M52: 'B' Camshaft Position Actuator Control Circuit (Bank 1))
P1521	Engine Oil Quality Sensor Communication Error
P1522	Engine Oil Quality Sensor Permeability Measurement (M62: 'A' Camshaft Position Actuator Bank 2; M52: 'A' Camshaft Position Actuator Tight or Jammed)
P1523	'A' Camshaft Position Actuator Control Circuit Low (Bank 1) (M52: 'B' Camshaft Position Actuator Tight or Jammed)
P1524	'A' Camshaft Position Actuator Control Circuit High (Bank 1)
P1525	'A' Camshaft Position Actuator Control Circuit/Open (Bank 1)
P1526	'A' Camshaft Position Actuator Control Circuit/Open (Bank 2)
P1527	'A' Camshaft Position Actuator Control Circuit Low (Bank 2)
P1528	'A' Camshaft Position Actuator Control Circuit High (Bank 2)
P1529	'B' Camshaft Position Actuator Control Circuit Low (Bank 1)
P152A	Vehicle Speed, Speed Implausible Compared to Reference under Load
P152B	Vehicle Speed, Speed Implausible Compared to Reference in Coast Down
P152C	Idle-Speed Control Valve Monitoring Dissimilar Desired Values (Bank 1)
P152D	Idle-Speed Control Valve Monitoring Incorrect Actual Value (Bank 1)
P152E	Idle-Speed Control Valve Monitoring Actual Value / Desired Value Correlation (Bank 1)
P152F	Idle-Speed Control Valve Monitoring Reset Error (Bank 1)
P1530	'B' Camshaft Position Actuator Control Circuit High (Bank 1) (S54 to 09/00: Throttle Valve Position Control, Control Deviation)
P1531	'B' Camshaft Position Actuator Control Circuit/Open (Bank 1)
P1532	'B' Camshaft Position Actuator Control Circuit/Open (Bank 2) (S54 to 09/00: Throttle Valve Control Circuit)
P1533	'B' Camshaft Position Actuator Control Circuit Low (Bank 2) (S54 to 09/00: ECM Prozessor)
P1534	'B' Camshaft Position Actuator Control Circuit High (Bank 2)

P1535	DISA (Differentiated Intake Manifold) Coil Temperature Limit Value Exceeded
P1536	DISA (Differentiated Intake Manifold) Controller Monitoring, Control Deviation
P1537	DISA (Differentiated Intake Manifold) Potentiometer Voltage in Lower Diagnosis Range
P1538	DISA (Differentiated Intake Manifold) Potentiometer Voltage in Upper Diagnosis Range
P1539	DISA (Differentiated Intake Manifold) Coil Temperature Threshold Exceeded
P153A	Throttle Valve Initialization Incorrect Communication with ECM (Bank 1)
P153B	Throttle Valve Initialization Number of Valid Initializations Exceeded (Bank 1)
P153C	Idle-Speed Control Valve Monitoring Dissimilar Desired Values (Bank 2)
P153D	Idle-Speed Control Valve Monitoring Incorrect Actual Value (Bank 2)
P153E	Idle-Speed Control Valve Monitoring Actual Value / Desired Value Correlation (Bank 2)
P153F	Idle-Speed Control Valve Monitoring Reset Error (Bank 2)
P1540	Driving Dynamics Control Switch Circuit High
P1541	Driving Dynamics Control Switch Circuit Low
P1542	Pedal Position Sensor Electrical
P1543	Throttle Valve 1 Potentiometer 1/2 Circuit Low
P1544	Throttle Valve 1 Potentiometer 1/2 Circuit High
P1545	Throttle Valve 1 Potentiometer 1/2 Circuit Range/Performance
P1546	Internal Control Module Interconnection Check Sum Error (ECU Bank 1 Defective)
P1547	Control Module Interconnection CAN Timeout (ECU Bank 1 Defective)
P1548	Idle Air Control System RPM Lower Than Expected (Bank 2)
P1549	Idle Air Control System RPM Higher Than Expected (Bank 2)
P154A	Battery Sensor 2 Temperature Error
P154B	Throttle Valve Initialization Number of Valid Initializations Exceeded (Bank 2)
P154C	Throttle Actuator Monitoring Dissimilar Desired Values (Bank 1)
P154D	Throttle Actuator Monitoring Incorrect Actual Value (Bank 1)
P154E	Throttle Actuator Monitoring Actual Value / Desired Value Correlation (Bank 1)
P154F	Throttle Actuator Monitoring Reset Error (Bank 1)
P1550	Idle-Speed Control Valve Closing Coil Electrical
P1551	External Engine Off Timer Plausibility
P1552	'A' Camshaft Position Actuator Control Circuit/Open (Bank 1)
P1553	Engine Position System 'B' Performance (Bank 1)
P1554	Engine Position System 'A' Performance (Bank 1)
P1555	Air Conditioning Compressor Circuit Intermittent
P1556	Air Conditioning Compressor Circuit Low (S54 to 09/00: 'A' Camshaft Position Actuator Control Circuit/Open (Bank 1)
P1557	Air Conditioning Compressor Circuit High
P1558	Throttle Valve Microchip Controller 1/2
P1559	Cold Start Monitoring Integrated Moment Reserve not Reached
P155A	Multifunction Steering Wheel (MFL) Interface, Toggle-Bit Fault
P155B	Multifunction Steering Wheel (MFL) Interface, Timeout Telegram
P155C	Throttle Actuator Monitoring Dissimilar Desired Values (Bank 2)
P155D	Throttle Actuator Monitoring Incorrect Actual Value (Bank 2)
P155E	Throttle Actuator Monitoring Actual Value / Desired Value Correlation (Bank 2)
P155F	Throttle Actuator Monitoring Reset Error (Bank 2)
P1560	'B' Camshaft Position Actuator Control Circuit/Open (Bank 1)
P1561	Cold Start Idle Air Control System RPM Lower Than Expected (Bank 1)
P1562	Cold Start Idle Air Control System RPM Higher Than Expected (Bank 1)
P1563	Multifunction Steering Wheel (MFL) Rocker Switch Defective
P1564	Control Unit Selection Plausibility
P1565	Multifunction Steering Wheel (MFL) Interface, Bit Error or Buttons '+' and '-' Pressed Simultaneously (S54 to 09/00: 'B' Camshaft Position Actuator Control Circuit/Open (Bank 1)
P1566	Multifunction Steering Wheel (MFL) Interface, Telegram Frequency Incorrect (M62/TU: Multifunction Steering Wheel (MFL) Interface, Toggle-Bit Fault)
P1567	Multifunction Steering Wheel (MFL) Interface, Toggle-Bit Fault (M62/TU: Multifunction Steering Wheel (MFL) Interface, Timeout Telegram)
P1568	Multifunction Steering Wheel (MFL) Interface, Timeout Telegram (M62/TU: Multifunction Steering Wheel (MFL) Interface, Telegram Frequency Incorrect)
P1569	'A' Camshaft Position Actuator Control Circuit/Open (Bank 2)

P156A	Throttle Valve Adaptation Range Monitoring Error (Bank 1)
P156B	Throttle Valve Adaptation Satellite Signals Adaptation Error (Bank 1)
P156C	Throttle Valve Adaptation Difference Monitoring Error (Bank 1)
P156D	Throttle Valve Enable Line Circuit Low (Bank 1)
P156E	Throttle Valve Enable Line Circuit High (Bank 1)
P156F	Throttle Valve Enable Line Circuit Open (Bank 1)
P1570	Electronic Control Module Sensor Supply A Low Output
P1571	Electronic Control Module Sensor Supply A High Output
P1572	Electronic Control Module Sensor Supply A Noisy Signal
P1573	Electronic Control Module Sensor Supply B Low Output (S54/S62: 'A' Camshaft Position Actuator Control Circuit Low (Bank 2))
P1574	Electronic Control Module Sensor Supply B High Output
P1575	Electronic Control Module Sensor Supply B Noisy Signal
P1576	Multifunction Steering Wheel (MFL) Interface, Bit Error
P1577	Speed Indication Signal Instrument Pack
P1578	Speed Indication Instrument Pack / ASC Signal Correlation
P1579	Multifunction Steering Wheel (MFL) Signal Plausibility
P157A	Throttle Valve Adaptation Range Monitoring Error (Bank 2)
P157B	Throttle Valve Adaptation Satellite Signals Adaptation Error (Bank 2)
P157C	Throttle Valve Adaptation Difference Monitoring Error (Bank 2)
P157D	Throttle Valve Enable Line Circuit Low (Bank 2)
P157E	Throttle Valve Enable Line Circuit High (Bank 2)
P157F	Throttle Valve Enable Line Circuit Open (Bank 2)
P1580	Throttle Valve Mechanically Stuck (M73: Throttle Valve 1 Spring Test)
P1581	'B' Camshaft Position Actuator Control Circuit/Open (Bank 2) (M73: Throttle Valve 2 Spring Test)
P1582	Engine Oil Pump Control Circuit High
P1583	Engine Oil Pump Control Circuit Low
P1584	Engine Oil Pump Control Circuit/Open
P1585	Misfire Detected with Low Fuel
P1586	Engine Oil Quality Sensor Temperature Measurement
P1587	Engine Oil Quality Sensor Level Measurement
P1588	Engine Oil Quality Sensor Permeability Measurement
P1589	Control Module Self-Test, Knock Control Test Pulse (Bank 1)
P158A	Idle-Speed Control Valve Fail Safe Modus (Bank 1)
P158B	Internal Idle-Speed Control Valve Diagnostic Error (Bank 1)
P158C	Idle-Speed Control Valve Adaptation Failure (Bank 1)
P158D	Idle-Speed Control Valve Position Control Error (Bank 1)
P158E	Cold Start Idle Air Control System RPM Lower Than Expected (Bank 2)
P158F	Cold Start Idle Air Control System RPM Higher Than Expected (Bank 2)
P1590	Throttle Valve 2 Potentiometer 1/2 Circuit Low
P1591	Throttle Valve 2 Potentiometer 1/2 Circuit High
P1592	Throttle Valve 2 Potentiometer 1/2 Circuit Range/Performance
P1593	DISA (Differentiated Intake Manifold) Control Circuit Electrical
P1594	'B' Camshaft Position Actuator Control Circuit/Open (Bank 2)
P1595	Internal Control Module Interconnection Check Sum Error (ECU Bank 2 Defective)
P1596	Control Module Interconnection CAN Timeout (ECU Bank 2 Defective)
P1597	Control Module Selection Debounce Error
P1598	Control Unit Selection Master/Slave Plausibility
P1599	CAN Timeout Message 2 Transmission Control Module
P159A	Idle-Speed Control Valve Fail Safe Modus (Bank 2)
P159B	Internal Idle-Speed Control Valve Diagnostic Error (Bank 2)
P159C	Idle-Speed Control Valve Adaptation Failure (Bank 2)
P159D	Idle-Speed Control Valve Position Control Error (Bank 2)
P159E	Engine Oil Pressure Control, Dynamic, Pressure Fluctuations

P159F	Engine Oil Pressure Control, Static, Engine Oil Pressure Too High
P15A0	Engine Oil Pressure Control, Static, Engine Oil Pressure Too Low
P15A1	Engine Oil Pressure Control, Mechanical, Solenoid Valve Stuck In Energized Position (Minimum Oil Pressure)
P15A2	Engine Oil Pressure Control, Mechanical, Solenoid Valve Stuck In De-Energized Position (Maximum Oil Pressure)
P15A3	Engine Oil Pressure Too High
P15A4	Multifunction Steering Wheel (MFL) Interface, Telegram Frequency Incorrect
P15A5	Engine Oil Pressure Control Unstable
P15A6	Engine Oil Pressure Too High Before Start
P15A7	Engine Oil Pressure Too Low Before Start
P15A8	Battery Sensor 2 Voltage Error
P15A9	Energy-Saving Mode - Transportation Mode
P15AA	Turbocharger Leak in Supercharger System (Bank 1)
P15AB	Battery Sensor 2 Current Error
P15AC	Sound Flap Circuit High
P15AD	Sound Flap Circuit Low
P15AE	Sound Flap Circuit
P15AF	Turbocharger Leak in Supercharger System (Bank 2)
P15B0	Terminal 15 Sense Circuit High
P15B1	Terminal 15 Sense Circuit Low
P15B2	Terminal 15 Sense Circuit CAS Error
P15B3	Terminal 15 Sense Circuit Range/Performance
P15B4	Engine Oil Quality Sensor Permittivity Error
P15B5	Speed Indication Instrument Pack / DSC Signal Correlation
P15B6	MSA (Engine Start Automatic) Circuit Low
P15B7	MSA (Engine Start Automatic) Circuit High
P15B8	Wheel Speed Sensor Front/Left Circuit/Open
P15B9	Wheel Speed Sensor Front/Right Circuit/Open
P15BA	Neutral Position Sensor Circuit Low
P15BB	Neutral Position Sensor Circuit High
P15BC	Neutral Position Sensor Duty Cycle Too High
P15BD	Neutral Position Sensor Duty Cycle Too Low
P15BE	Neutral Position Sensor Position Not Learned
P15BF	Neutral Position Sensor Position Implausible
P15C0	Vacuum Reservoir Pressure Too Low
P15C1	Vacuum Reservoir Pressure Too High
P15C2	Vacuum Reservoir Pressure Implausible
P15C3	Battery Sensor Wakeup Cable Circuit
P15C4	Battery Sensor Wakeup Cable Circuit Low
P15C5	Battery Sensor Wakeup Cable Circuit High
P15C6	Idle Speed Control Valve Initialization Number of Valid Initializations Exceeded
P15C7	Engine Oil Pressure Control Valve Mechanical
P15C8	Wheel Speed Sensor Rear/Left Circuit/Open
P15C9	Wheel Speed Sensor Rear/Right Circuit/Open
P15CA	Turbocharger Coolant Pump Control Circuit/Open
P15CB	Turbocharger Coolant Pump Control Circuit Low
P15CC	Turbocharger Coolant Pump Control Circuit High
P15CD	Turbocharger Coolant Pump Clamped
P15CE	Battery Sensor Wakeup Cable Circuit Electrical
P15CF	Battery Sensor Variant Plausibility
P15D0	Coolant Pump RPM Out of Range
P15D1	Coolant Pump Cut-Off, Internal Temperature Too High
P15D2	Coolant Pump Cut-Off, Overvoltage
P15D3	Coolant Pump Cut-Off, Overcurrent

P15D4	Coolant Pump Dry Run
P15D5	Coolant Pump Undervoltage
P15D6	Coolant Pump Temperature Threshold 1 Exceeded
P15D7	Coolant Pump Temperature Threshold 2 Exceeded
P15D8	Terminal 15 Faulty CAN Signal
P15D9	Terminal 15N_1 / 87_1 Power Supply Circuit
P15DA	Wheel Speed Sensor Front/Left Range/Performance
P15DB	Wheel Speed Sensor Front/Right Range/Performance
P15DC	Wheel Speed Sensor Rear/Left Range/Performance
P15DD	Wheel Speed Sensor Rear/Right Range/Performance
P15DE	Cold Start Fuel Pressure Too High (Bank 1)
P15DF	Cold Start Fuel Pressure Too Low (Bank 1)
P15E0	Charge Air Cooler Coolant Pump RPM Out of Range
P15E1	Charge Air Cooler Coolant Pump Cut-Off, Internal Temperature Too High
P15E2	Charge Air Cooler Coolant Pump Cut-Off, Overvoltage
P15E3	Charge Air Cooler Coolant Pump Cut-Off, Overcurrent
P15E4	Charge Air Cooler Coolant Pump Dry Run
P15E5	Charge Air Cooler Coolant Pump Undervoltage
P15E6	Charge Air Cooler Coolant Pump Temperature Threshold 1 Exceeded
P15E7	Charge Air Cooler Coolant Pump Temperature Threshold 2 Exceeded
P15E8	External Engine Off Timer Engine Off Time Too Short in Correlation to Cooling-Down Of Engine Coolant
P15E9	External Engine Off Timer Engine Off Time Too Long in Correlation to Cooling-Down Of Engine Coolant
P15EA	Engine Oil Pressure Control Valve Circuit/Open
P15EB	Engine Oil Pressure Control Valve Circuit Low
P15EC	Engine Oil Pressure Control Valve Circuit High
P15ED	Terminal 15N_2 / 87_2 Power Supply Circuit
P15EE	Cold Start Fuel Pressure Too High (Bank 2)
P15EF	Cold Start Fuel Pressure Too Low (Bank 2)
P15F0	Charge Air Cooler Coolant Pump 2 RPM Out of Range
P15F1	Charge Air Cooler Coolant Pump 2 Cut-Off, Internal Temperature Too High
P15F2	Charge Air Cooler Coolant Pump 2 Cut-Off, Overvoltage
P15F3	Charge Air Cooler Coolant Pump 2 Cut-Off, Overcurrent
P15F4	Charge Air Cooler Coolant Pump 2 Dry Run
P15F5	Charge Air Cooler Coolant Pump 2 Undervoltage
P15F6	Charge Air Cooler Coolant Pump 2 Temperature Threshold 1 Exceeded
P15F7	Charge Air Cooler Coolant Pump 2 Temperature Threshold 2 Exceeded
P15F8	Terminal 15N_3 / 87_3 Power Supply Circuit
P15F9	Terminal 15N Power Supply Circuit
P15FA	External Engine Off Timer Incrementation Too Fast During Engine Running
P15FB	External Engine Off Timer Incrementation Too Slow During Engine Running
P15FC	External Engine Off Timer Incrementation Too Fast During ECM Afterrunning
P15FD	External Engine Off Timer Incrementation Too Slow During ECM Afterrunning
P15FE	External Engine Off Timer No Signal
P15FF	Battery Sensor 2 System Error
P1600	External Control Module Random Access Memory (RAM) Error
P1601	Control Module Self-Test, Fuel Cut-Off Circuit
P1602	Control Module Self-Test, Control Module Defective
P1603	Control Module Self-Test, Torque Monitoring
P1604	Control Module Self-Test, Speed Monitoring
P1605	Safety Concept Torque Limitation Level 1
P1606	Fault Memory Plausibility
P1607	CAN-Version
P1608	Serial Communication Link Control Module

P1609	Serial Communication Link EML (Electronical Engine-Power Regulation)
P160A	Powermanagement Exhaustive Discharge
P160B	Powermanagement Defective
P160C	Powermanagement Overvoltage
P160D	Powermanagement Undervoltage
P160E	Powermanagement Operation Without Charging of Battery
P160F	Powermanagement No-Load Current Error
P1610	Serial Communicatian Link Heated Catalyst
P1611	Serial Communication Link Transmission Control Module
P1612	Serial Communication Link Instrument Pack
P1613	Serial Communication Link ASC (Automatic Stability Control)
P1614	Serial Communication Link ACC (Adaptive Cruise Control)
P1615	Electronic Control Module Processor SPI-Bus Failure
P1616	Electronic Control Module Coding Memory Check Sum Error
P1617	Electronic Control Module H Bridge Controller
P1618	Control Module Self-Test, AD-Converter Monitoring
P1619	Map Cooling Thermostat Control Circuit Low
P161A	Fuel Return Vent Valve Circuit High
P161B	Fuel Return Vent Valve Circuit Low
P161C	Fuel Return Vent Valve Circuit Open
P161D	Throttle Valve Adaptation Spring Test Failed (Bank 2)
P161E	Throttle Valve Actuator Spring Test (Bank 2)
P161F	Throttle Valve Actuator Spring Test Malfunction during Opening (Bank 2)
P1620	Map Cooling Thermostat Control Circuit High
P1621	Map Cooling Thermostat Control Circuit Intermittent
P1622	Map Cooling Thermostat Control Circuit Electrical
P1623	Pedal Position Sensor Potentiometer Supply
P1624	Pedal Position Sensor Potentiometer Supply Channel 1 Electrical (M52: Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature))
P1625	Pedal Position Sensor Potentiometer Supply Channel 2 Electrical
P1626	Air Mass Flow Sensor Output Stage Error
P1627	System Voltage Load Sensor Circuit High
P1628	Throttle Valve Actuator Spring Test Malfunction during Opening (Bank 1)
P1629	Throttle Valve Actuator Spring Test Stop, Spring does not Open (Bank 1)
P162A	Throttle Valve Actuator Spring Test Stop, Spring does not Open (Bank 2)
P162B	Throttle Valve Position Control, Control Deviation (Bank 2)
P162C	Throttle Valve Position Control Throttle Stuck Temporarily (Bank 2)
P162D	Throttle Valve Position Control Throttle Stuck Permanently (Bank 2)
P162E	Internal Control Module Reset TPU-RAM Error
P162F	Internal Control Module Reset TPU Error
P1630	Throttle Valve Circuit (Bank 2)
P1631	Throttle Valve Actuator Spring Test (Bank 1)
P1632	Throttle Valve Adaptation Conditions Not Met (Bank 1)
P1633	Throttle Valve Adaptation Limp-Home Position Unknown (Bank 1)
P1634	Throttle Valve Adaptation Spring Test Failed (Bank 1)
P1635	Throttle Valve Adaptation Lower Mechanical Stop not Adapted (Bank 1)
P1636	Throttle Valve Circuit (Bank 1)
P1637	Throttle Valve Position Control, Control Deviation (Bank 1)
P1638	Throttle Valve Position Control Throttle Stuck Temporarily (Bank 1)
P1639	Throttle Valve Position Control Throttle Stuck Permanently (Bank 1)
P163A	PCM/ECM/TCM Internal Temperature Too Low
P163B	Throttle Valve Adaptation No Adaptation After Replacement
P163C	Voltage Monitoring Control Module Overvoltage
P163D	Voltage Monitoring Control Module Cut-off Detected

P163E	Voltage Monitoring Control Module Communication Error
P163F	Control Module Monitoring A/D Converter Test Voltage Plausibility
P1640	Internal Control Module RAM/ROM Error
P1641	Throttle Valve Adaptation Stop due to Environmental Conditions
P1642	Throttle Valve Adaptation Stop due to Environmental Values
P1643	Throttle Valve Actuator Start Test Amplifier Balancing Plausibility
P1644	Throttle Valve Adaptation Stop Relearning Lower Mechanical Stop (Bank 1)
P1645	Internal Control Module Random Access Memory (RAM) Reading Error
P1646	Internal Control Module Communication Error Output Stage
P1647	Internal Control Module Error, Torque Request Hybrid/EV Powertrain Control Module
P1648	Internal Control Module Error, Sending Monitoring Current Torque
P1649	Internal Control Module Random Access Memory (RAM) Writing Error
P164A	Main Relay Undervoltage
P164B	Main Relay Overvoltage
P164C	Pedal Position Sensor Potentiometer Supply Channel 1 Electrical
P164D	Throttle Valve Adaptation Lower Mechanical Stop not Adapted (Bank 2)
P164E	Throttle Deicing Stuck in Closing Direction
P164F	Throttle Deicing Stuck in Opening Direction
P1650	Start While Engine is Running
P1651	Internal Control Module Error, Sending Monitoring Desired Torque
P1652	Internal Control Module Error, Sending Monitoring CAN-Messages
P1653	Transmission Torque Plausibility
P1654	CAN-Timeout Message Counter
P1655	EWS (Electronic Immobilizer) Rolling Code Faulty Storage
P1656	EWS (Electronic Immobilizer) Wrong Code
P1657	Internal Control Module Error, Control Circuit Fuel Volume Regulator
P1658	FlexRay Controller - Reset
P1659	Cold Start Throttle Actuator Control Range/Performance (Bank 1)
P165A	EWS (Electronic Immobilizer) Interface to ECM, Hardware Error
P165B	EWS (Electronic Immobilizer) Interface to ECM, Checksum Error
P165C	EWS (Electronic Immobilizer) Data, No Available Storage Possibility
P165D	EWS (Electronic Immobilizer) Data, Faulty Release Code Storage
P165E	EWS (Electronic Immobilizer) Data, Checksum Error
P165F	Internal Control Module Measurement Error Oxygen Sensor Heating (Bank 1 Sensor 1)
P1660	EWS (Electronic Immobilizer) Telegram Error
P1661	Timeout EWS (Electronic Immobilizer)-Telegram
P1662	EWS (Electronic Immobilizer) Telegram Parity Error
P1663	EWS (Electronic Immobilizer) Rolling Code Faulty Storage in EEPROM
P1664	EWS (Electronic Immobilizer) Writing/Reading Error EEPROM
P1665	EWS (Electronic Immobilizer) Tampering via Rolling Code
P1666	EWS (Electronic Immobilizer) Tampering via KWP2000UE / Start Value not Accepted
P1667	EWS (Electronic Immobilizer) Start Value not yet Programmed
P1668	EWS (Electronic Immobilizer) Start Value Destroyed
P1669	EWS (Electronic Immobilizer) Start Value Programming Incorrect
P166A	Control Module Self-Test, Transfer Case Control Module Monitoring
P166B	Transfer Case Control Module Torque Request inspite of Brake Signal
P166C	Transfer Case Control Module Torque Request Implausible
P166D	Throttle Valve Adaptation Upper Mechanical Stop not Adapted (Bank 1)
P166E	Throttle Valve Adaptation Upper Mechanical Stop not Adapted (Bank 2)
P166F	Internal Control Module Measurement Error Oxygen Sensor Heating (Bank 2 Sensor 1)
P1670	Transmission Intervention Plausibility
P1671	Internal Control Module Throttle Actuator Controller 2 Performance
P1672	MSR (Engine-Drag-Torque Control) Intervention Plausibility

P1673	ASC (Automatic Stability Control) Intervention Plausibility
P1674	ASC (Automatic Stability Control) no Activity Detected
P1675	Throttle Valve Actuator Start Test Re-Adaptation Required
P1676	ACC (Adaptive Cruise Control) Signal Plausibility
P1677	ACC (Adaptive Cruise Control) no Activity Detected
P1678	ACC (Adaptive Cruise Control) no Response to ACC Cut-Off
P1679	Electronic Throttle Control Monitor Level 2/3 Torque Loss Calculation
P167A	ACC (Adaptive Cruise Control) Intermittent Activity Detected
P167B	Throttle Heating Relay Circuit High
P167C	Throttle Heating Relay Circuit Low
P167D	Throttle Heating Relay Circuit Open
P167E	Internal Control Module Error, 5 Volt Supply Voltage High
P167F	Internal Control Module Error, 5 Volt Supply Voltage Low
P1680	Electronic Throttle Control Monitor Level 2/3 ADC Processor Fault
P1681	Electronic Throttle Control Monitor Level 2/3 Engine Speed Calculation Error
P1682	Electronic Throttle Control Monitor Level 2/3 Idle Speed 'A' Calculation Fault
P1683	Electronic Throttle Control Monitor Level 2/3 Idle Speed 'B' Calculation Fault
P1684	Electronic Throttle Control Monitor Level 2/3 Clutch Torque Min Error
P1685	Electronic Throttle Control Monitor Level 2/3 Clutch Torque Max Error
P1686	Electronic Throttle Control Monitor Level 2/3 Pedal Position Sensor Diagnostic Error
P1687	Electronic Throttle Control Monitor Level 2/3 Throttle Position Sensor Diagnostic Error
P1688	Electronic Throttle Control Monitor Level 2/3 Mass Air Flow Calculation
P1689	Electronic Throttle Control Monitor Level 2/3 Torque Calculation Error
P168A	Throttle Position Output Circuit/Open (Bank 2)
P168B	Throttle Position Output Circuit Low (Bank 2)
P168C	Throttle Position Output Circuit High (Bank 2)
P168D	Throttle Valve Actuator Limp-Home Position not Reached (Bank 1)
P168E	Throttle Valve Actuator Limp-Home Position not Reached (Bank 2)
P168F	Control Module Self-Test, ACC (Adaptive Cruise Control) Monitoring
P1690	Malfunction Indicator Lamp (MIL) Control Circuit Electrical
P1691	Electronic Throttle Control Monitor Level 2/3 Motorised Throttle Control Engine Speed Limitation Error
P1692	Electronic Throttle Control Monitor Level 2/3 Motorised Throttle Control and Fuel Injection Switch Off 'A'
P1693	Electronic Throttle Control Monitor Level 2/3 Motorised Throttle Control and Fuel Injection Switch Off 'B'
P1694	Throttle Valve Actuator Start Test Spring Test and Limp-Home Position Failed (Bank 1)
P1695	Main Relay Control Circuit Electrical
P1696	Main Relay Control Circuit Low
P1697	Main Relay Control Circuit High
P1698	Transmission Control Module Control Error
P1699	Transmission Control Module Check Sum Error
P169A	Throttle Valve Actuator Start Test Limp-Home Position Failed (Bank 1)
P169B	Throttle Valve Adaptation Lower Mechanical Stop Out of Range (Bank 1)
P169C	Throttle Valve Adaptation Lower Mechanical Stop Out of Range (Bank 2)
P169D	Throttle Valve Adaptation Upper Mechanical Stop Out of Range (Bank 1)
P169E	Throttle Valve Adaptation Upper Mechanical Stop Out of Range (Bank 2)
P169F	Throttle Valve Limp Home Mode Active (Bank 1)
P16A0	Internal Control Module Memory Check Sum Error in Boot Software
P16A1	Internal Control Module Memory Check Sum Error in Application Software
P16A2	Internal Control Module Memory Check Sum Error in Data
P16A3	Internal Control Module Non-Volatile Memory (NVMY) Error
P16A4	Internal Control Module Knock Sensor Module Error
P16A5	Control Module Multiple Output Stage SPI-Bus Communication Error
P16A6	Control Module Self-Test, Cruise Control Monitoring
P16A7	Control Module Self-Test, Hot Film Air Mass Meter Monitoring

P16A8	Control Module Self-Test, Throttle Position Monitoring
P16A9	Control Module Self-Test, Speed Monitoring Reset
P16AA	Throttle Valve Adaptation Conditions Not Met (Bank 2)
P16AB	Throttle Valve Adaptation Limp-Home Position Unknown (Bank 2)
P16AC	Throttle Valve Limp Home Mode Active (Bank 2)
P16AD	Throttle Valve Actuator Start Test Limp-Home Position Failed (Bank 2)
P16AE	Throttle Valve Adaptation Conditions Not Met, Battery Voltage Too Low (Bank 2)
P16AF	Throttle Valve Adaptation Stop Relearning Lower Mechanical Stop (Bank 2)
P16B0	Control Module Self-Test, Pedal Position Sensor Monitoring
P16B1	Control Module Self-Test, Idle Air Control System Integrated Component Plausibility
P16B2	Control Module Self-Test, Idle Air Control System PD-Component Plausibility
P16B3	Control Module Self-Test, MSR (Engine-Drag-Torque Control) Monitoring
P16B4	Control Module Self-Test, DCC (Dynamic Cruise Control) Monitoring
P16B5	Control Module Self-Test, AMT (Automatic Manual Transmission) Monitoring
P16B6	Control Module Self-Test, ETC Monitoring
P16B7	Control Module Self-Test, Clutch Torque Monitoring Maximum Value Plausibility
P16B8	Control Module Self-Test, Clutch Torque Monitoring Minimum Value Plausibility
P16B9	Control Module Self-Test, Torque Loss Monitoring
P16BA	Throttle Valve Actuator Start Test Spring Test Failed (Bank 1)
P16BB	Throttle Valve Actuator Start Test Spring Test Failed (Bank 2)
P16BC	Throttle Valve Adaptation Lower Stop Not Learned (Bank 1)
P16BD	Throttle Valve Adaptation Lower Stop Not Learned (Bank 2)
P16BE	Throttle Valve Adaptation Error Lower Return Spring (Bank 1)
P16BF	Throttle Valve Adaptation Error Lower Return Spring (Bank 2)
P16C0	Control Module Self-Test, Driving Dynamics Control Switch Monitoring
P16C1	Control Module Self-Test, Torque Monitoring Current Indicated Value Plausibility
P16C2	Control Module Self-Test, Speed Limitation Monitoring
P16C3	Control Module Self-Test, Speed Limitation Reset
P16C4	Shift Time Torque Plausibility
P16C5	Main Relay Switching Delay
P16C6	CAN Timeout BSD (Bit Serial Data Interface)
P16C7	ASC/DSC (Automatic Stability Control/Dynamic Stability Control) Disabling due to Implausibles Values
P16C8	Serial Communication Link EKP (Electrical Fuel Pump)
P16C9	Control Module Self-Test, Vehicle Dynamics Control Module Monitoring
P16CA	Throttle Valve Adaptation Error Upper Return Spring (Bank 1)
P16CB	Throttle Valve Adaptation Error Upper Return Spring (Bank 2)
P16CC	Throttle Valve Adaptation Upper Desired Position Not Reached (Bank 1)
P16CD	Throttle Valve Adaptation Upper Desired Position Not Reached (Bank 2)
P16CE	Control Module Self-Test, Hardware Monitoring
P16CF	EWS (Electronic Immobilizer) Implausible Response
P16D0	Throttle Valve Position Control Throttle Stuck (Bank 1)
P16D1	Throttle Valve Position Control Throttle Stuck (Bank 2)
P16D2	DTC Report, DTC Sending Buffer Overflow
P16D3	DTC Report, DTC Sending Failed
P16D4	Control Module Self-Test, Warm Reset Planned Software Reset
P16D5	Control Module Self-Test, Warm Reset Unwanted Software Reset
P16D6	Control Module Self-Test, Warm Reset Power On Reset
P16D7	Control Module Self-Test, Warm Reset Hardware Reset
P16D8	PCM/ECM/TCM Internal Temperature Sensor 'A' Circuit Signal Stuck
P16D9	Control Module Not Programmed
P16DA	FlexRay Controller Synchronization Error
P16DB	FlexRay Controller Maximum Startup Time Exceeded
P16DC	FlexRay Controller Startup Error

P16DD	Crash Sensor Undervoltage
P16DE	Crash Sensor Minor Crash Detected
P16DF	Crash Sensor Severe Crash Detected
P16E0	Internal Control Module Calculation Error MSA (Engine Start Automatic)
P16E1	MSA (Engine Start Automatic) Time Out
P16E2	Internal Control Module Turbocharger/Supercharger Wastegate 'A' Error
P16E3	PCM/ECM/TCM Internal Switch-On Temperature Sensor Range/Performance
P16E4	PCM/ECM/TCM Internal Switch-On Temperature Sensor Circuit Low
P16E5	PCM/ECM/TCM Internal Switch-On Temperature Sensor Circuit High
P16E6	Throttle Valve Adaptation Conditions Not Met, Battery Voltage Too Low (Bank 1)
P16E7	Internal Control Module Volt Supply Voltage 1 Performance
P16E8	Internal Control Module Volt Supply Voltage 2 Performance
P16E9	Internal Control Module Volt Supply Voltage 3 Performance
P16EA	Internal Control Module Watchdog Error
P16EB	Internal Control Module Watchdog Communication Error
P16EC	Internal Control Module Watchdog Overvoltage Error
P16ED	ECM Master/Slave No Recognition
P16EE	Internal Control Module Temperature Turbocharger/Supercharger Wastegate 'A' Error
P16EF	Terminal 15 Data Reception
P16F0	Control Module Self-Test, Clutch Torque Monitoring Hybrid Maximum Value Plausibility
P16F1	Control Module Self-Test, Clutch Torque Monitoring Hybrid Minimum Value Plausibility
P16F2	Control Module Self-Test, Control Drive Motor
P16F3	Internal Control Module Random Access Memory (RAM) Data Redundancy Error
P16F4	Sensor Power Supply 'A' Circuit Voltage Too Low
P16F5	Sensor Power Supply 'A' Circuit Voltage Too High
P16F6	Sensor Power Supply 'B' Circuit Voltage Too Low
P16F7	Sensor Power Supply 'B' Circuit Voltage Too High
P16F8	Sensor Power Supply 'C' Circuit Voltage Too Low
P16F9	Sensor Power Supply 'C' Circuit Voltage Too High
P16FA	Sensor Power Supply 'D' Circuit Voltage Too Low
P16FB	Sensor Power Supply 'D' Circuit Voltage Too High
P16FC	Sensor Power Supply 'A' Circuit Range/Performance
P16FD	Sensor Power Supply 'B' Circuit Range/Performance
P16FE	Sensor Power Supply 'C' Circuit Range/Performance
P16FF	Internal Control Module Hardware Error
P1700	Double Error Output Speed and Input/Turbine Speed
P1701	Double Error Position Information CAN / Serial Line
P1702	Substitute Function Combination
P1703	Transmission Mode Switch
P1704	Transmission Fluid Temperature Sensor 'A' Circuit Shorted
P1705	Transmission Control Module LED Output Open Circuit
P1706	Transmission Control Module LED Output Short Circuit
P1707	ETC Safety Concept Transmission
P1708	ETC Safety Concept Clutch
P1709	ETC Safety Concept
P170A	Pressure Control Solenoid 'A' Shunt Monitoring
P170B	Pressure Control Solenoid 'B' Shunt Monitoring
P170C	Pressure Control Solenoid 'C' Shunt Monitoring
P170D	Pressure Control Solenoid 'D' Shunt Monitoring
P170E	Pressure Control Solenoid 'E' Shunt Monitoring
P170F	Pressure Control Solenoid 'F' Shunt Monitoring
P1710	TCM Temperature Sensor Circuit High
P1711	TCM Temperature Sensor Circuit Low

P1712	Internal Transmission Control Module Monitoring Level 2 Error, Engine Torque Up Request
P1713	Internal Transmission Control Module Monitoring Level 2 Error, Calculation Torque Up Request
P1714	Internal Transmission Control Module Monitoring Level 2 Error, Calculation Shift By Wire
P1715	Hydraulic Unit Pressure Monitoring
P1716	Hydraulic Unit Switch-On Frequency
P1717	Hydraulic Unit Switch-On Period
P1718	Transmission Fluid Temperature Sensor 'A' Unpermitted Temperature Increase
P1719	CAN Version Error
P171A	Internal Transmission Control Module Watchdog General Error
P171B	Internal Transmission Control Module Watchdog Run Time Error
P171C	Internal Transmission Control Module Watchdog Initialization Error
P171D	Internal Transmission Control Module Watchdog Electrical Error
P171E	Internal Transmission Control Module Watchdog Plausibility Error
P171F	Internal Transmission Control Module Component CG122 Error
P1720	CAN Timeout Control Module
P1721	CAN Timeout ASC/DSC
P1722	Internal Transmission Control Module Minor QADC Error
P1723	Internal Transmission Control Module Severe QADC Error
P1724	Internal Transmission Control Module TPU AliveCounter Error
P1725	Internal Transmission Control Module TPU RAM Error
P1726	Turbine Speed and Engine Speed in Transmission Range N Correlation
P1727	CAN Engine Speed
P1728	Engine Overspeed Condition
P1729	Engine High Rotational Irregularity
P172A	Internal Transmission Control Module Level 2 Error, Interference Counter 1 above Threshold
P172B	Internal Transmission Control Module Level 2 Error, Interference Counter 2 above Threshold
P172C	Internal Transmission Control Module Level 2 Error, Interference Counter 3 above Threshold
P172D	Internal Transmission Control Module Level 2 Error, Interference Counter 4 above Threshold
P172E	Internal Transmission Control Module Level 2 Error, Interference Counter above Threshold General Error
P172F	Internal Transmission Control Module Level 2 Error, Interference Counter 1 below Threshold
P1730	Pressure Control Solenoid Unpermitted Activation
P1731	Gear 1 manual Incorrect Ratio
P1732	Gear Monitoring 4 at Electrical Substitute Program
P1733	Internal Transmission Control Module Level 2 Error, Interference Counter 2 below Threshold
P1734	Pressure Control Solenoid 'B' Electrical
P1735	Internal Transmission Control Module Level 2 Error, Interference Counter 3 below Threshold
P1736	Gear 6 Incorrect Ratio
P1737	Internal Transmission Control Module Level 2 Error, Interference Counter 4 below Threshold
P1738	Pressure Control Solenoid 'C' Electrical
P1739	Clutch Solenoid Communication Error
P173A	Pressure Control Solenoid 'A' Control Circuit Electrical
P173B	CAN Engine Coolant Temperature Invalid
P173C	Pressure Control Solenoid 'G' Shunt Monitoring
P173D	CAN Message Monitoring Transmission Intake Torque
P173E	Shift Rod 1/3 Sensor Circuit Low
P173F	Shift Rod 1/3 Sensor Circuit High
P1740	Clutch Solenoid Circuit Range/Performance
P1741	Clutch Solenoid Open Circuit
P1742	Clutch Solenoid Short Circuit
P1743	Pressure Control Solenoid 'E' Electrical (M44/M52: Brake Band Electrical)
P1744	Pressure Control Solenoid 'A' Electrical
P1745	Pressure Control Solenoid 'E'
P1746	Transmission Control Module Output Stage Error

P1747	CAN-Bus Monitoring
P1748	Transmission Control Module Self-Test
P1749	Secondary Pressure Solenoid Communication Error (M52: Internal Transmission Control Module Memory Error)
P174A	Shift Solenoid 'C'/E/'F' Circuit Low
P174B	Shift Solenoid 'A'/'B' Circuit Low
P174C	Gear Shift Position 5/3 Circuit Wrong Frequency
P174D	Gear Shift Position 5/3 Circuit Duty Cycle Too High
P174E	Gear Shift Position 5/3 Circuit Duty Cycle Too Low
P174F	Gear Shift Position 5/3 Circuit Implausible Position
P1750	Secondary Pressure Solenoid Circuit Range/Performance (M44/M52/S52/M62/M73: System Voltage Low)
P1751	Secondary Pressure Solenoid Open Circuit (M52: System Voltage High)
P1752	Secondary Pressure Solenoid Short Circuit
P1753	Pressure Control Solenoid 'D' Electrical
P1754	Internal Transmission Control Module Level 2 Error, Interference Counter below Threshold General Error
P1755	Pressure Control Solenoid 'D'
P1756	Shift X-Position Gear Cannot Be Engaged
P1757	Shift Gear Stepper
P1758	Shift Y-Position Not Adjustable
P1759	Shift X-Position Gear Cannot Be Disengaged
P175A	TCM Internal Error Shifting to D without Driver Command
P175B	Lost Communication Between ETC Software Modules
P175C	Gear Shift Position 2/4 Circuit Wrong Frequency
P175D	Gear Shift Position 2/4 Circuit Duty Cycle Too High
P175E	Gear Shift Position 2/4 Circuit Duty Cycle Too Low
P175F	Gear Shift Position 2/4 Circuit Implausible Position
P1760	Engine Torque Request Plausibility
P1761	Shiftlock Solenoid Control Circuit
P1762	Shiftlock Solenoid Control Circuit High
P1763	Shiftlock Solenoid Control Circuit Low
P1764	Shiftlock Solenoid Control Circuit Open
P1765	CAN Throttle Valve
P1766	Double Error Engine Speed CAN / Direct Wiring
P1767	CAN Wheel Speeds Rear Axle
P1768	CAN Message Monitoring Pedal Position Sensor Timeout
P1769	TCM Internal Temperature Wakeup After Hotmode
P176A	Wheel Speed / Output Speed Correlation
P176B	ETC Undervoltage Reset
P176C	Gear Shift Position 6/7 Circuit Wrong Frequency
P176D	Gear Shift Position 6/7 Circuit Duty Cycle Too High
P176E	Gear Shift Position 6/7 Circuit Duty Cycle Too Low
P176F	Gear Shift Position 6/7 Circuit Implausible Position
P1770	CAN Torque Interface
P1771	CAN Torque Interface Plausibility
P1772	Turbine Speed and Engine Speed in Transmission Range D Correlation
P1773	CAN Timeout Anti-Lock Brake System (ABS) Control Module
P1774	CAN Wheel Speed Rear Wheel Left No Signal
P1775	CAN Wheel Speed Rear Wheel Right No Signal
P1776	CAN Wheel Speed Front Wheel Left No Signal
P1777	CAN Wheel Speed Front Wheel Right No Signal
P1778	CAN Message Monitoring Pedal Position Sensor Signal Plausibility
P1779	Transmission Fluid Temperature/TCM Temperature Correlation
P177A	TCM Internal Error no Shifting despite of Driver Command
P177B	TCM Internal Correlation Error Displayed / Real Transmission Position

P177C	TCM Internal Error of Shift-By-Wire Data
P177D	Driveline Communication Circuit
P177E	Internal Transmission Control Module Calculation Error Level 2 Error, Driveline
P177F	Internal Transmission Control Module Monitoring Level 2 Error, Plausibility
P1780	CAN Torque Reduction
P1781	NOT DEFINED
P1782	CAN Brake Signal
P1783	Clutch 1 Drain Valve Circuit
P1784	Clutch 2 Drain Valve Circuit
P1785	Transmission Ratio Control Actuator Circuit Malfunction
P1786	Transmission Ratio Control Actuator Circuit Range/Performance
P1787	Transmission Ratio Control Actuator Open Circuit
P1788	Transmission Ratio Control Actuator Short Circuit
P1789	Transmission Ratio Control Actuator Communication Error
P178A	Clutch 1 Pressure Sensor Circuit Range/Performance
P178B	Clutch 1 Pressure Sensor Circuit Shorted
P178C	Clutch 1 Pressure Sensor Circuit/Open
P178D	Clutch 2 Pressure Sensor Circuit Range/Performance
P178E	Clutch 2 Pressure Sensor Circuit Shorted
P178F	Clutch 2 Pressure Sensor Circuit/Open
P1790	Internal Transmission Control Module Memory Check Sum/EPROM Error
P1791	Internal Transmission Control Module Memory Check Sum/EEPROM Error
P1792	Internal Transmission Control Module Watchdog Error
P1793	ETC Cut-Off due to Overtemperature Condition
P1794	Internal Transmission Control Module Memory Check Sum Error
P1795	Driveline Communication Circuit - Faulty Signal on A-CAN Torque Up Request
P1796	Internal Transmission Control Module Error 7 (High Side Driver)
P1797	Internal Transmission Control Module Random Access Memory (RAM) Error
P1798	Internal Transmission Control Module EEPROM Writing Error
P1799	Substitute Function Priority
P179A	Internal Transmission Control Module EEPROM Reading Error
P179B	CAN OBD Cycle Information Invalid
P179C	Shift Rod 1/3 Sensor Mechanical
P179D	Shift Rod 2/R Sensor Mechanical
P179E	Shift Rod 4/6 Sensor Mechanical
P179F	Shift Rod 5/7 Sensor Mechanical
P17A0	Clutch 1 Hydraulic Circuit Filling Time Incorrect
P17A1	Clutch 1 Hydraulic Circuit Pressure Too Low
P17A2	Clutch 1 Hydraulic Circuit Pressure Too High
P17A3	Clutch 2 Hydraulic Circuit Filling Time Incorrect
P17A4	Clutch 2 Hydraulic Circuit Pressure Too Low
P17A5	Clutch 2 Hydraulic Circuit Pressure Too High
P17A6	Shift Rod 2/R Sensor Circuit Low
P17A7	Shift Rod 2/R Sensor Circuit High
P17A8	Shift Rod 4/6 Sensor Circuit Low
P17A9	Shift Rod 4/6 Sensor Circuit High
P17AA	Shift Rod 5/7 Sensor Circuit Low
P17AB	Shift Rod 5/7 Sensor Circuit High
P17AC	Internal Transmission Control Module Watchdog Output Stage Error
P17AD	Internal Transmission Control Module Watchdog Monitoring Error
P17AE	Internal Transmission Control Module Watchdog Random Access Memory (RAM) Error
P17AF	Internal Transmission Control Module Watchdog Read Only Memory (ROM) Error
P17B0	Internal Transmission Control Module Level 2 Error, Interference Counter 5 above Threshold

P17B1	Internal Transmission Control Module Level 2 Error, Interference Counter 6 above Threshold
P17B2	Internal Transmission Control Module Level 2 Error, Interference Counter 14 above Threshold
P17B3	Internal Transmission Control Module Level 2 Error, Interference Counter 5 below Threshold
P17B4	Internal Transmission Control Module Level 2 Error, Interference Counter 6 below Threshold
P17B5	Internal Transmission Control Module Level 2 Error, Interference Counter 14 below Threshold
P17B6	Driveline Communication Circuit - Faulty Signal on FA-CAN Torque Up Request
P17B7	Internal Transmission Control Module Error, Complementary Monitoring Signal Torque Up Request
P17B8	Internal Transmission Control Module Error, Complementary Monitoring Software Shift Strategy Torque Up Request
P17B9	Communication Sense Circuit FA-CAN Transmission Range Implausible
P17BA	Transmission Torque Loss - Faulty Feedback Signal on A-CAN
P17BB	Transmission Torque Loss - Faulty Feedback Signal on FA-CAN
P17BC	Transmission Torque Loss - General Calculation Error
P17BD	Transmission Torque Loss - Calculation Error Plausibility
P17BE	Clutch 1 Pressure Sensor Plausibility due to Sensor Drift
P17BF	Clutch 2 Pressure Sensor Plausibility due to Sensor Drift
P17C0	Internal Transmission Control Module Watchdog Program Flow Error
P17C1	Transmission Friction Elements Correlation
P17C2	Transmission Friction Elements Correlation During/after Shift
P17C3	Pressure Control Solenoid 'A' Sense Circuit Current Too Low
P17C4	Pressure Control Solenoid 'B' Sense Circuit Current Too Low
P17C5	Pressure Control Solenoid 'C' Sense Circuit Current Too Low
P17C6	Pressure Control Solenoid 'D' Sense Circuit Current Too Low
P17C7	Pressure Control Solenoid 'E' Sense Circuit Current Too Low
P17C8	Torque Converter Clutch Pressure Control Solenoid Sense Circuit Current Too Low
P17C9	Pressure Control Solenoid 'G' Sense Circuit Current Too Low
P17CA	Pressure Control Solenoid 'A' Control Circuit Faulty Feedback Signal
P17CB	Pressure Control Solenoid 'B' Control Circuit Faulty Feedback Signal
P17CC	Pressure Control Solenoid 'C' Control Circuit Faulty Feedback Signal
P17CD	Pressure Control Solenoid 'D' Control Circuit Faulty Feedback Signal
P17CE	Pressure Control Solenoid 'E' Control Circuit Faulty Feedback Signal
P17CF	Torque Converter Clutch Pressure Control Solenoid Control Circuit Faulty Feedback Signal
P17D0	Pressure Control Solenoid 'G' Control Circuit Faulty Feedback Signal
P17D1	Shift Solenoid 'B' Control Circuit Faulty Feedback Signal
P17D2	Parking Lock Faulty Engaged
P17D3	Pressure Control Solenoid 'A' Sense Circuit Current Too High
P17D4	Pressure Control Solenoid 'B' Sense Circuit Current Too High
P17D5	Pressure Control Solenoid 'C' Sense Circuit Current Too High
P17D6	Pressure Control Solenoid 'D' Sense Circuit Current Too High
P17D7	Pressure Control Solenoid 'E' Sense Circuit Current Too High
P17D8	Torque Converter Clutch Pressure Control Solenoid Sense Circuit Current Too High
P17D9	Pressure Control Solenoid 'G' Sense Circuit Current Too High
P17DA	Engine Desired Idle Speed Faulty CAN Signal
P17DB	Transmission Fluid Temperature Sensor 'A' Initialization Error
P17DC	Multiple Sensor Failure, Output Shaft Speed Sensor and Turbine Shaft Speed Sensor
P17DD	Multiple Sensor Failure, TCU Internal Temperature Sensor and Transmission Fluid Temperature Sensor
P17DE	Turbine Speed and Engine Speed Correlation
P17DF	Internal Transmission Control Module Error, Torque Up Request Too High
P17E0	Ratio Monitoring All Clutches
P17E1	Ratio Monitoring Clutch A
P17E2	Ratio Monitoring Clutch B
P17E3	Ratio Monitoring Clutch C
P17E4	Ratio Monitoring Clutch D
P17E5	Ratio Monitoring Clutch E

P17E6	Ratio Monitoring Shift 1-2
P17E7	Ratio Monitoring Shift 2-3
P17E8	Ratio Monitoring Shift 3-4
P17E9	Ratio Monitoring Shift 4-5
P17EA	Ratio Monitoring Shift 5-6
P17EB	Ratio Monitoring Shift 6-5
P17EC	Ratio Monitoring Shift 5-4
P17ED	Ratio Monitoring Shift 4-3
P17EE	Ratio Monitoring Shift 3-2
P17EF	Ratio Monitoring Shift 2-1
P17F0	Ratio Monitoring Clutch A and D
P17F1	Ratio Monitoring Clutch A and C
P17F2	Ratio Monitoring Clutch A and B
P17F3	Ratio Monitoring Clutch A and E
P17F4	Ratio Monitoring Clutch B and E
P17F5	Ratio Monitoring Clutch C and E
P17F6	Ratio Monitoring Clutch B and D
P17F7	Ratio Monitoring Shift 6-4
P17F8	Ratio Monitoring Shift 5-3
P17F9	Ratio Monitoring Shift 4-2
P17FA	Ratio Monitoring Shift 3-1
P17FB	Brake Pedal Position Sensor Faulty CAN Signal From DSC
P17FC	Brake Torque Faulty CAN Signal From DSC
P17FD	Roadway Tilt Faulty CAN Signal From Vehicle Dynamics Control Module
P17FE	Throttle Valve / Accelerator Pedal Faulty CAN Signal
P17FF	Status Brake Pressure Faulty CAN Signal From DSC
P1800	Input/Turbine Speed / Gear Correlation
P1801	Shift Solenoid 'A' Circuit Low
P1802	Shift Solenoid 'B' Circuit Low
P1803	Shift Solenoid 'C' Circuit Low
P1804	Shift Solenoid 'D' Circuit Low
P1805	Roadway Tilt Invalid CAN Signal From Vehicle Dynamics Control Module
P1806	Shift Solenoid 'A' or 'B' Mechanically Stuck
P1807	Engine Desired Idle Speed Implausible CAN Signal
P1808	Internal Transmission Control Module Monitoring Level 2 Error, Unintensional Power Transmission in Neutral
P1809	Internal Transmission Control Module Monitoring Level 2 Error, Unintensional Change of Driving Direction
P180A	Clutch A Loss of Power Transmission
P180B	Clutch A Tie-Up
P180C	Clutch B Loss of Power Transmission
P180D	Clutch B Tie-Up
P180E	Clutch C Loss of Power Transmission
P180F	Clutch C Tie-Up
P1810	Input/Turbine Shaft Speed Sensor Circuit High
P1811	Input/Turbine Shaft Speed Sensor Circuit Low
P1812	Output Shaft Speed Sensor Circuit High
P1813	Output Shaft Speed Sensor Circuit Low
P1814	Output Shaft Speed Sensor Gradient Too High
P1815	Wheel Plus Switch Error Circuit Low
P1816	Wheel Minus Switch Error Circuit Low
P1817	Gear Selector Lever GSL0 Circuit High
P1818	Gear Selector Lever GSL0 Circuit Low
P1819	Gear Selector Lever GSL0 Circuit Range/Performance
P181A	Clutch D Loss of Power Transmission

P181B	Clutch D Tie-Up
P181C	Neutral Position Sensor Duty Cycle Too High
P181D	Neutral Position Sensor Duty Cycle Too Low
P181E	Neutral Position Sensor Position Not Learned
P181F	Neutral Position Sensor Position Implausible
P1820	Gear Selector Lever GSL1 Circuit High
P1821	Gear Selector Lever GSL1 Circuit Low
P1822	Gear Selector Lever GSL1 Circuit Range/Performance
P1823	Gear Selector Lever Digital Circuit Range/Performance
P1824	Internal Transmission Control Module Calculation Error Virtual Turbine Speed
P1825	Shift Lock Malfunction
P1826	Shiftlock Solenoid Relay (CVT) Circuit Low
P1827	Shiftlock Solenoid Relay (CVT) Circuit High
P1828	Pressure Control Solenoids Desired Values Range/Performance
P1829	Clutch Activation Desired Values Range/Performance
P182A	TCM Internal Switch-On Temperature Sensor / Internal Temperature Sensor/Transmission Fluid Temperature Sensor - Correlation in Lower Temperature Range
P182B	TCM Internal Switch-On Temperature Sensor / Internal Temperature Sensor/Transmission Fluid Temperature Sensor - Correlation in Medium Temperature Range
P182C	TCM Internal Switch-On Temperature Sensor / Internal Temperature Sensor/Transmission Fluid Temperature Sensor - Correlation in Upper Temperature Range
P182D	TCM Internal Temperature Sensor / Internal Switch-On Temperature Sensor/Transmission Fluid Temperature Sensor - Correlation in Lower Temperature Range
P182E	TCM Internal Temperature Sensor / Internal Switch-On Temperature Sensor/Transmission Fluid Temperature Sensor - Correlation in Medium Temperature Range
P182F	TCM Internal Temperature Sensor / Internal Switch-On Temperature Sensor/Transmission Fluid Temperature Sensor - Correlation in Upper Temperature Range
P1830	Pressure Control Solenoid Current Error in P/R/N
P1831	Pressure Control Solenoid 'A' Circuit High
P1832	Pressure Control Solenoid 'B' Circuit High
P1833	Pressure Control Solenoid 'C' Circuit High
P1834	Pressure Control Solenoid 'D' Circuit High
P1835	Pressure Control Solenoid 'E' Circuit High
P1836	Torque Converter Clutch Circuit High
P1837	Driveline Communication Circuit A-CAN
P1838	Internal Transmission Control Module Error, Complementary Monitoring Signal Torque Down Request
P1839	Internal Transmission Control Module Error, Complementary Monitoring Software Shift Strategy Torque Down Request
P183A	Transmission Fluid Temperature Sensor / TCM Internal Temperature Sensor/Internal Switch-On Temperature Sensor - Correlation in Lower Temperature Range
P183B	Transmission Fluid Temperature Sensor / TCM Internal Temperature Sensor/Internal Switch-On Temperature Sensor - Correlation in Medium Temperature Range
P183C	Transmission Fluid Temperature Sensor / TCM Internal Temperature Sensor/Internal Switch-On Temperature Sensor - Correlation in Upper Temperature Range
P183D	Internal Transmission Control Module Error, Torque Down Request Too High
P183E	Driveline Communication Circuit - Faulty Signal on FA-CAN Torque Down Request
P183F	Driveline Communication Circuit - Faulty Signal on A-CAN Torque Down Request
P1840	Hydraulic Unit / Control Module Program Correlation
P1841	Pressure Control Solenoid 'A' Circuit Low
P1842	Pressure Control Solenoid 'B' Circuit Low
P1843	Pressure Control Solenoid 'C' Circuit Low
P1844	Pressure Control Solenoid 'D' Circuit Low
P1845	Pressure Control Solenoid 'E' Circuit Low
P1846	Torque Converter Clutch Circuit Low
P1847	Input/Turbine Shaft Speed Sensor Error Detection Implausible
P1848	Transmission Range Sensor Circuit
P1849	Output Shaft Speed Sensor Error Detection Implausible
P184A	Internal Transmission Control Module Monitoring, Torque Down Request Too High
P184B	Internal Transmission Control Module Monitoring, Torque Down Request Too Low
P184C	Internal Transmission Control Module Monitoring, Torque Up Request Too High
P184D	Internal Transmission Control Module Monitoring, Torque Up Request Too Low
P184E	Turbine Speed and Output Speed Correlation
P184F	Stuck in Gear 1 In Coast Down

P1850	Gate Select Sensor Circuit High
P1851	Gate Select Sensor Circuit Low
P1852	Gate Select Sensor Circuit Range/Performance
P1853	Clutch Control Travel Sensor Circuit High
P1854	Clutch Control Travel Sensor Circuit Low
P1855	Clutch Control Travel Sensor Circuit Range/Performance
P1856	Hydraulic Pressure Sensor Circuit High
P1857	Hydraulic Pressure Sensor Circuit Low
P1858	Hydraulic Pressure Sensor Range/Performance
P1859	Clutch Speed Sensor Plausibility
P185A	Pressure Control Solenoid Control - Implausible in Position or Desired Position D or R
P185B	Pressure Control Solenoid Control - Unpermitted Engagement of Reverse at Too High Vehicle Speed
P185C	Pressure Control Solenoid Control - Unpermitted Engagement of P at Implausible Vehicle Speed Signal
P185D	Pressure Control Solenoid Control - Implausible in Position P
P185E	Transmission Control Module Internal Error EWS (Electronical Immobilizer) Tampering Attempt Recognized
P185F	Transmission Control Module Internal Error EWS (Electronical Immobilizer) Lock Active
P1860	Gear Selector Lever Hall Sensor Error 1
P1861	2-1 Shift
P1862	3-2 Shift
P1863	4-3 Shift
P1864	5-4 Shift
P1865	6-5 Shift
P1866	Gear Selector Lever GSL2 Circuit High
P1867	Gear Selector Lever GSL2 Circuit Low
P1868	Gear Selector Lever GSL2 Circuit Range/Performance
P1869	Gear Selector Lever GSL3 Circuit High
P186A	Turbine Speed and Engine Speed in Transmission Range R Correlation
P186B	Transmission Fluid Temperature Sensor 'C' Circuit
P186C	Transmission Fluid Temperature Sensor 'A' Temperature Implausible
P186D	Transmission Fluid Temperature Sensor 'B' Temperature Implausible
P186E	Transmission Fluid Temperature Sensor 'C' Temperature Implausible
P186F	Request Engine Control Transmission Intake Torque Reduction Faulty CAN Signal
P1870	Gear Selector Lever GSL3 Circuit Low
P1871	2-1 Shift Circuit High
P1872	3-2 Shift Circuit High
P1873	4-3 Shift Circuit High
P1874	5-4 Shift Circuit High
P1875	6-5 Shift Circuit High
P1876	Gear Selector Lever GSL3 Circuit Range/Performance
P1877	Gear Selector Lever GSL4 Circuit High
P1878	Gear Selector Lever GSL4 Circuit Low
P1879	Gear Selector Lever GSL4 Circuit Range/Performance
P187A	Transmission Fluid Temperature Sensor 'A' Temperature Too Low
P187B	Transmission Fluid Temperature Sensor 'A' Higher Temperature Out Of Range
P187C	Transmission Fluid Temperature Sensor 'B' Temperature Too Low
P187D	Transmission Fluid Temperature Sensor 'B' Higher Temperature Out Of Range
P187E	Control Module Internal Temperature Sensor 'A' Circuit Temperature Out of Range Low
P187F	Control Module Internal Temperature Sensor 'A' Circuit Temperature Out of Range High
P1880	Transmission Gear Train (One or More) Mechaniscal
P1881	1-2 Shift Circuit High
P1882	2-3 Shift Circuit High
P1883	3-4 Shift Circuit High
P1884	4-5 Shift Circuit High

P1885	5-6 Shift Circuit High
P1886	5-6 Shift
P1887	Hydraulic Pump
P1888	CAN Timeout Instrument Pack during Operation Parking Lock Emergency Release
P1889	System Voltage - Electrical
P188A	TCM Internal Temperature Sensor 'B' Temperature Too Low
P188B	TCM Internal Temperature Sensor 'B' Temperature Too High
P188C	Gear 1 or Gear 3
P188D	Gear 2 or Reverse
P188E	Gear 4 or Gear 6
P188F	Gear 5 or Gear 7
P1890	System Voltage
P1891	System Voltage High
P1892	System Voltage Low
P1893	Supply Voltage Pressure Control Solenoid/Shift Solenoid Circuit High
P1894	Supply Voltage Pressure Control Solenoid/Shift Solenoid Circuit Low
P1895	Supply Voltage Pressure Control Solenoid/Shift Solenoid Circuit No Signal
P1896	Supply Voltage Pressure Control Solenoid/Shift Solenoid
P1897	Supply Voltage Sensors High
P1898	Supply Voltage Sensors Low
P1899	Supply Voltage Sensors Range/Performance
P189A	Supply Voltage Sensors Programming Error
P189B	Safety Function Brake Torque Too High
P189C	Safety Function Wrong Gear Selected
P189D	Safety Function Pressure Control Solenoid Stuck
P189E	Safety Function Engagement of Reverse at Too High Vehicle Speed
P189F	Safety Function Transmission Range Display/Transmission Range Sensor Correlation
P18A0	Pressure Control Solenoid 'A' Static Shunt Monitoring
P18A1	Pressure Control Solenoid 'B' Static Shunt Monitoring
P18A2	Pressure Control Solenoid 'C' Static Shunt Monitoring
P18A3	Pressure Control Solenoid 'D' Static Shunt Monitoring
P18A4	Pressure Control Solenoid 'E' Static Shunt Monitoring
P18A5	Torque Converter Clutch Pressure Control Solenoid Static Shunt Monitoring
P18A6	Pressure Control Solenoid 'G' Static Shunt Monitoring
P18A7	Shift Solenoid 'B' Static Shunt Monitoring
P18A8	Status Warmup Engine Faulty CAN Signal
P18A9	Safety Function Engine/Transmission Unintended Connection Detected
P18AA	Safety Function Neutral Request via CAN
P18AB	Safety Function Engine Cranking prevented
P18AC	Input/Turbine Shaft Speed Sensor 'A' Overspeed
P18AD	Output Speed Sensor Overspeed
P18AE	Engine Disconnect Clutch Limp Home Engine Cut-Off Request
P18AF	Gear Shift Position Unknown
P18B0	Pressure Control Solenoid 'A' Dynamic Shunt Monitoring
P18B1	Pressure Control Solenoid 'B' Dynamic Shunt Monitoring
P18B2	Pressure Control Solenoid 'C' Dynamic Shunt Monitoring
P18B3	Pressure Control Solenoid 'D' Dynamic Shunt Monitoring
P18B4	Pressure Control Solenoid 'E' Dynamic Shunt Monitoring
P18B5	Torque Converter Clutch Pressure Control Solenoid Dynamic Shunt Monitoring
P18B6	Pressure Control Solenoid 'G' Dynamic Shunt Monitoring
P18B7	Shift Solenoid 'B' Dynamic Shunt Monitoring
P18B8	Status Brake Pressure Faulty CAN Signal
P18B9	Vehicle Longitudinal Acceleration Faulty CAN Signal

P18BA	Torque Management Desired Torque Implausible
P18BB	Transmission Mechanical Limp Home Request RPM Too Low
P18BC	Transmission Electrical Limp Home Request RPM Below Threshold 1
P18BD	Transmission Electrical Limp Home Request RPM Below Threshold 2
P18BE	Transmission Limp Home Request No Driving Readiness
P18BF	No Driving Readiness
P18C0	Ratio Monitoring Clutch B and C
P18C1	Ratio Monitoring Clutch C and D
P18C2	Ratio Monitoring Clutch D and E
P18C3	Ratio Monitoring Clutch A, B and C
P18C4	Ratio Monitoring Clutch A, B and E
P18C5	Ratio Monitoring Clutch B, C and E
P18C6	Ratio Monitoring Clutch B, D and E
P18C7	Ratio Monitoring Clutch B, C and D
P18C8	Ratio Monitoring Clutch C, D and E
P18C9	Ratio Monitoring Clutch A, C and D
P18CA	Ratio Monitoring Clutch A, D and E
P18CB	Ratio Monitoring Clutch A, B and D
P18CC	Clutch 1 Pressure Sensor Circuit Low
P18CD	Clutch 1 Pressure Sensor Circuit High
P18CE	Clutch 2 Pressure Sensor Circuit Low
P18CF	Clutch 2 Pressure Sensor Circuit High
P18D0	Internal Transmission Control Module Error, Interface Driving Strategy
P18D1	Ratio Monitoring Shift From Gear 1
P18D2	Ratio Monitoring Shift From Gear 2
P18D3	Ratio Monitoring Shift From Gear 3
P18D4	Ratio Monitoring Shift From Gear 4
P18D5	Ratio Monitoring Shift From Gear 5
P18D6	Ratio Monitoring Shift From Gear 6
P18D7	Ratio Monitoring Shift From Gear 7
P18D8	Ratio Monitoring Shift From Gear 8
P18D9	Gear 1 Abrasion
P18DA	Transmission Fluid Temperature Sensor 'B' Circuit Temperature Out of Range Low
P18DB	Transmission Fluid Temperature Sensor 'B' Circuit Temperature Out of Range High
P18DC	Transmission Fluid Temperature Sensor 'C' Circuit Temperature Out of Range Low
P18DD	Transmission Fluid Temperature Sensor 'C' Circuit Temperature Out of Range High
P18DE	Gear 2 Abrasion
P18DF	Safety Function Gear 1 at Too High Speed
P18E0	Transmission Range Sensor Circuit 'A' /Open
P18E1	Transmission Range Sensor Circuit 'A' Low
P18E2	Transmission Range Sensor Circuit 'A'/Circuit 'B' Shorted
P18E3	Transmission Range Sensor Circuit 'B' /Open
P18E4	Transmission Range Sensor Circuit 'B' Low
P18E5	Transmission Range Sensor Supply Voltage Circuit Low
P18E6	Transmission Range Sensor Power Supply Circuit High
P18E7	Transmission Range Sensor Supply Voltage Out of Range
P18E8	Transmission Range Select Motor Control Circuit Shorted
P18E9	Transmission Range Sensor 'A' Signal Implausible
P18EA	Transmission Range Sensor 'A' Hardware Error
P18EB	Control Module Safety Function Transmission Range Sensor Signal Error
P18EC	Transmission Range Sensor Circuit 'A'/'B' Correlation
P18ED	Transmission Blocked
P18EE	Engine Disconnect Clutch Solenoid Static Shunt Monitoring

P18EF	Engine Disconnect Clutch Solenoid Sense Circuit Current Too High
P18F0	Engine Disconnect Clutch Solenoid Dynamic Shunt Monitoring
P18F1	Engine Disconnect Clutch Solenoid Sense Circuit Current Too Low
P18F2	Engine Disconnect Clutch Solenoid
P18F3	Control Module Monitoring Safety Function Substitute Reaction Error
P18F4	Control Module Monitoring Safety Function Drive Motor 'A' RPM Error
P18F5	Clutch 'B' Temperature Too High
P18F6	Pressure Control Solenoid 'H' Static Shunt Monitoring
P18F7	Pressure Control Solenoid 'H' Dynamic Shunt Monitoring
P18F8	Engine Disconnect Clutch Closing Conditions Not Fullfilled
P18F9	Control Module Monitoring Safety Function Hybrid Flow Control Error
P18FA	Transmission Current Sensor Circuit High
P18FB	TCM Internal Shifting Error from D / R to N / P
P18FC	Control Module Monitoring Safety Function Wheels Locked During ABS Failure
P18FD	Transmission Limp Home Request - Mechanical
P18FF	Fault Memory Disabled
P1900	Transmission Fluid Cooler No Flow Detected
P1901	Pressure Control Solenoid 'B' Shift Progress Too Low
P1902	Pressure Control Solenoid 'C' Shift Progress Too Low
P1903	Pressure Control Solenoid 'D' Shift Progress Too Low
P1904	Pressure Control Solenoid 'E' Shift Progress Too Low
P1905	Pressure Control Solenoid 'F' Shift Progress Too Low
P1920	Transmission Fluid Temperature Sensor 'C' Circuit Range/Performance
P1930	Internal Transmission Control Module Monitoring Level 2 Error, Limp Home 1
P1931	Internal Transmission Control Module Monitoring Level 2 Error, Limp Home 2
P1932	Internal Transmission Control Module Monitoring Level 2 Error, Limp Home 3
P1933	Internal Transmission Control Module Monitoring Level 2 Error, Limp Home 4
P1940	Hydraulic Pressure Unit Pressure Too High
P19FF	Communication Test, Dummy-DTC Diagnosis Master/OBD-Funcionality
P1A00	Hybrid/EV Powertrain Control Module Torque Request Engine
P1A01	Internal Hybrid Battery Control Module EEPROM Error
P1A02	PEB (Power Electronic Box) Pin Cable Hybrid Battery Circuit/Open
P1A03	PEB (Power Electronic Box) Pin Cable Hybrid Battery Circuit Low
P1A04	PEB (Power Electronic Box) Pin Cable Hybrid Battery Circuit High
P1A05	Internal Hybrid Battery Control Module Random Access Memory (RAM) Error
P1A06	Internal Hybrid Battery Control Module Read Only Memory (ROM) Error
P1A07	Hybrid/EV Battery Pack Current Sensor Supply Voltage Circuit Range/Performance
P1A08	Hybrid/EV Battery Contactors Circuit Stuck Closed
P1A09	High Voltage System Shutdown
P1A0A	Hybrid/EV Powertrain Control Module Wake-Up Line Circuit Range/Performance
P1A0B	Hybrid/EV Battery Single Cell Voltages Sum Implausible
P1A0C	Hybrid Battery Control Module Supply Voltage Circuit Low
P1A0D	Hybrid Battery Control Module Supply Voltage Circuit High
P1A0E	Drive Motor 'A' Calibration Data High Voltage Sensor System Invalid
P1A0F	Drive Motor 'B' Calibration Data High Voltage Sensor System Invalid
P1A10	Inverter 'B' Cooling System Coolant Temperature Range/Performance
P1A11	Inverter 'A' Cooling System Coolant Temperature Range/Performance
P1A12	Hybrid/EV Battery Contactors Supply Voltage Circuit Low
P1A13	Hybrid/EV Battery Contactors Supply Voltage Circuit High
P1A14	Hybrid/EV Battery Negative Contactor Driver Error
P1A15	Hybrid/EV Battery Positive Contactor Driver Error
P1A16	Hybrid/EV Battery Precharge Contactor Driver Error
P1A17	Hybrid/EV Battery Precharge Temporary Disabling

P1A18	Hybrid/EV Battery System Voltage Too Low for Contactor Closing
P1A19	Hybrid/EV Battery Temperature Sensors, Multiple Sensor Failure
P1A1A	Hybrid/EV Battery Pack Evaluation Electronics Circuit Low
P1A1B	Hybrid/EV Battery Pack Evaluation Electronics Circuit High
P1A1C	Hybrid/EV Battery Pack Evaluation Electronics Circuit/Open
P1A1D	Hybrid/EV Battery Pack Evaluation Electronics Driver Error
P1A1E	Internal Hybrid Battery Control Module Reset Error
P1A1F	Hybrid/EV Battery Contactor Activation Invalid Signal
P1A20	Hybrid/EV Battery System Precharge Time Too Long
P1A21	Hybrid/EV Battery Contactors Open (Detected by Hybrid Powertrain Control Module)
P1A22	Hybrid/EV Battery Pack Voltage and Current Sensor Circuit/Open
P1A23	Hybrid/EV Battery Pack Voltage and Current Sensor Circuit Low
P1A24	Hybrid/EV Battery Pack Voltage and Current Sensor Circuit High
P1A25	Drive Motor 'A' Inverter Current Too High
P1A26	Drive Motor 'B' Inverter Current Too High
P1A27	Hybrid/EV Battery Pack Voltage and Current Sensor Driver Error
P1A28	Drive Motor 'A' Control Module 5V Sensor Power Supply Circuit 'B' Low
P1A29	Drive Motor 'A' Control Module 5V Sensor Power Supply Circuit 'B' High
P1A2A	Drive Motor 'B' Control Module 5V Logic Voltage Circuit High
P1A2B	Drive Motor 'B' Control Module 5V Logic Voltage Circuit Low
P1A2C	Drive Motor 'A' Control Module 5V Logic Voltage Circuit High
P1A2D	Drive Motor 'A' Control Module 5V Logic Voltage Circuit Low
P1A2E	High Voltage System Interlock Circuit No Signal
P1A2F	High Voltage System Interlock Circuit Shorted
P1A30	Hybrid/EV Battery Wake-Up Line 1 Curcuit Low
P1A31	Hybrid/EV Battery Wake-Up Line 1 Curcuit High
P1A32	Hybrid/EV Battery Wake-Up Line 2 Curcuit High
P1A33	Drive Motor 'B' Control Module 15V Power Supply Circuit High
P1A34	Drive Motor 'B' Control Module 15V Power Supply Circuit Low
P1A35	Drive Motor 'A' Control Module 15V Power Supply Circuit High
P1A36	Drive Motor 'A' Control Module 15V Power Supply Circuit Low
P1A37	Drive Motor 'A' Control Module Torque Monitoring
P1A38	Drive Motor 'B' Control Module Torque Monitoring
P1A39	Hybrid/EV Battery Precharge Circuit Shorted
P1A3A	Hybrid/EV Battery Voltage
P1A3B	Hybrid/EV Battery Pack Voltage and Current Sensor, Current Measuring Circuit, Measuring Values Implausible
P1A3C	Hybrid/EV Battery Pack Voltage and Current Sensor, Current Measuring Circuit, Measuring Value Too High
P1A3D	Hybrid/EV Battery Pack Voltage and Current Sensor, Current Measuring Circuit, Measuring Value Too Low
P1A3E	Hybrid/EV Battery Pack, Minimum One Single Cell Defective
P1A3F	Hybrid/EV Battery Pack Exhaustive Discharge
P1A40	Internal Hybrid/EV Powertrain Control Module Read Only Memory (ROM) Error
P1A41	Internal Hybrid/EV Powertrain Control Module Random Access Memory (RAM) Error
P1A42	Internal Hybrid/EV Powertrain Control Module EEPROM Writing Error
P1A43	Hybrid/EV Powertrain Control Module Processor
P1A44	Hybrid/EV Powertrain Control Module Shutdown Performance
P1A45	Hybrid/EV Powertrain Control Module Not Programmed
P1A46	Internal Hybrid/EV Powertrain Control Module EEPROM Reading Error
P1A47	Internal Hybrid/EV Powertrain Control Module Processor Performance
P1A48	Internal Hybrid/EV Powertrain Control Module Random Access Memory (RAM) Data Redundancy Error
P1A49	Hybrid/EV Battery Pack Evaluation Electronics Failure Single Cell Voltage
P1A4A	Hybrid/EV Battery Pack Voltage and Current Sensor, Voltage Measuring Circuit, Measuring Values Implausible
P1A4B	Hybrid/EV Battery Pack Voltage and Current Sensor, Voltage Measuring Circuit, Measuring Value Too High
P1A4C	Hybrid/EV Battery Pack Voltage and Current Sensor, Voltage Measuring Circuit, Measuring Value Too Low

P1A4D	Hybrid/EV Battery Pack Voltage and Current Sensor, Internal Sensor Failure
P1A4E	Hybrid/EV Battery Pack Voltage and Current Sensor, Measuring Value Recording
P1A4F	Drive Motor 'A' Control Module Not Programmed
P1A50	Internal Control Module Drive Motor 'A' Random Access Memory (RAM) Error
P1A51	Internal Control Module Drive Motor 'A' Read Only Memory (ROM) Error
P1A52	Drive Motor 'B' Control Module Not Programmed
P1A53	Internal Control Module Drive Motor 'B' Random Access Memory (RAM) Error
P1A54	Internal Control Module Drive Motor 'B' Read Only Memory (ROM) Error
P1A55	Electric/Auxiliary Transmission Fluid Pump Motor Control Module Over Temperature
P1A56	Hybrid/EV Battery Negative Contactor Shutdown Path Error
P1A57	Hybrid/EV Battery Positive Contactor Shutdown Path Error
P1A58	Hybrid/EV Battery Precharge Contactor Shutdown Path Error
P1A59	Hybrid/EV Battery Pack Evaluation Electronics Hardware Defective
P1A5A	Hybrid/EV Battery Pack Circuit Circuit/Open
P1A5B	ETC - CAN Signal Hybrid Flow Control Invalid
P1A5C	ETC - Hybrid Control Flow Invalid
P1A5D	ETC - Hybrid Flow Control, Speed Drive Motor Too Low
P1A5E	ETC - Hybrid Flow Control, Speed Drive Motor Implausible
P1A5F	ETC - Hybrid Flow Control, Build-Up Total Torque Too Slow
P1A60	Hybrid/EV Battery Contactors Lowside Control Circuit Low
P1A61	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'A'
P1A62	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'B'
P1A63	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'C'
P1A64	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'D'
P1A65	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'E'
P1A66	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'F'
P1A67	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'G'
P1A68	Hybrid/EV Battery Overtemperature Detected by Temperature Sensor 'H'
P1A69	Electric/Auxiliary Transmission Fluid Pump Motor High Voltage Circuit Low
P1A6A	Electric/Auxiliary Transmission Fluid Pump Motor High Voltage Circuit High
P1A6B	Electric/Auxiliary Transmission Fluid Pump Motor Phase U Voltage Sensor
P1A6C	Electric/Auxiliary Transmission Fluid Pump Motor Phase V Voltage Sensor
P1A6D	Electric/Auxiliary Transmission Fluid Pump Motor Phase W Voltage Sensor
P1A6E	Electric/Auxiliary Transmission Fluid Pump Overspeed
P1A6F	Hybrid/EV Battery Overtemperature, Forced Limited Power
P1A70	Electric/Auxiliary Transmission Fluid Pump Current Sensor Circuit Low
P1A71	Electric/Auxiliary Transmission Fluid Pump Current Sensor Circuit High
P1A72	Starter Generator Circuit Electrical
P1A73	Starter Generator Temperature Too High
P1A74	Electric/Auxiliary Transmission Fluid Pump Voltage Sensor Circuit Low
P1A75	Electric/Auxiliary Transmission Fluid Pump Voltage Sensor Circuit High
P1A76	Starter Generator Electrical Error Calculated
P1A77	Starter Generator Circuit/Open
P1A78	Starter Generator Circuit Low
P1A79	Starter Generator Circuit High
P1A7A	Starter Generator Mechanical
P1A7B	Starter Generator Sensors Circuit Electrical
P1A7C	Start System Starter Generator Time Out
P1A7D	Starter Generator MSA (Engine Start Automatic) Enable Line Signal Implausible
P1A7E	Starter Generator MSA (Engine Start Automatic) Permanently Deactivated
P1A7F	Start System Drive Motor Time Out
P1A80	Motor Electronics Coolant Pump 'A' Temperature Threshold 1 Exceeded
P1A81	Motor Electronics Coolant Pump 'A' Temperature Threshold 2 Exceeded

P1A82	Motor Electronics Coolant Pump 'A' RPM Out of Range
P1A83	Motor Electronics Coolant Pump 'A' Dry Run
P1A84	Motor Electronics Coolant Pump 'A' Cut-Off, Internal Temperature Too High
P1A85	Motor Electronics Coolant Pump 'A' Cut-Off, Overvoltage
P1A86	Motor Electronics Coolant Pump 'A' Cut-Off, Overcurrent
P1A87	Motor Electronics Coolant Pump 'A' Supply Voltage Circuit Low
P1A88	DC/DC Converter Cut-Off
P1A89	DC/DC Converter Shutdown Path Error
P1A8A	DC/DC Converter Polarity Error
P1A8B	Drive Motor 'A' Temperature Sensor Range/Performance - Temperature Too High
P1A8C	Drive Motor 'A' Temperature Sensor Range/Performance - Temperature Too Low
P1A8D	Drive Motor 'A' Cut-Off
P1A8E	Drive Motor 'A' Control Module SPI-Bus Communication Error
P1A8F	Drive Motor 'A' Overspeed
P1A90	DC/DC Converter Internal DC Link Discharge - Discharge Time 1 Too Long
P1A91	DC/DC Converter Internal DC Link Discharge - Discharge Time 2 Too Long
P1A92	DC/DC Converter Operating Mode
P1A93	DC/DC Converter Standby Mode
P1A94	Drive Motor 'A' Control Module Low Voltage Power Supply Circuit High
P1A95	Drive Motor 'A' Control Module 5V Power Supply Circuit Low
P1A96	Drive Motor 'A' Control Module 5V Power Supply Circuit High
P1A97	Drive Motor 'A' Control Module 5V Sensor Power Supply Circuit 'A' Low
P1A98	Drive Motor 'A' Control Module 5V Sensor Power Supply Circuit 'A' High
P1A99	Drive Motor 'A' Torque Generation Disabled by Immobilizer
P1A9A	Drive Motor 'A' Control Module 5V Voltage Regulator Power Supply Circuit Low
P1A9B	Drive Motor 'A' Control Module 5V Voltage Regulator Power Supply Circuit High
P1A9C	Drive Motor 'A' Disabled by Immobilizer
P1A9D	HVAC Control Module Random Access Memory (RAM) Error
P1A9E	HVAC Control Module EEPROM Error
P1A9F	HVAC Control Module Read Only Memory (ROM) Error
P1AA0	Starter Unit Control Circuit/Open
P1AA1	Starter Unit Control Circuit Low
P1AA2	Starter Unit Control Circuit High
P1AA3	Starter Unit Stuck On
P1AA4	Starter Unit Stuck Off
P1AA5	Starter Unit Battery Aged
P1AA6	Starter Unit Battery Defective
P1AA7	Electric/Auxiliary Transmission Fluid Pump Transmission Fluid Temperature Too High
P1AA8	Electric/Auxiliary Transmission Fluid Pump Driver Circuit High
P1AA9	Electric/Auxiliary Transmission Fluid Pump Driver Circuit Low
P1AAA	Electric/Auxiliary Transmission Fluid Pump Driver A/D
P1AAB	Electric/Auxiliary Transmission Fluid Pump Driver Power Supply
P1AAC	Electric/Auxiliary Transmission Fluid Pump Driver Low Voltage Supply Warning
P1AAD	Electric/Auxiliary Transmission Fluid Pump Relais Control Circuit High
P1AAE	Electric/Auxiliary Transmission Fluid Pump Underspeed
P1AAF	HVAC Control Module Run Time Error
P1AB0	HVAC Control Module Watchdog Error
P1AB1	HVAC Control Module Hardware Error
P1AB2	Electric A/C Compressor Control Module Random Access Memory (RAM) Error
P1AB3	Electric A/C Compressor Control Module EEPROM Error
P1AB4	Electric A/C Compressor Control Module Read Only Memory (ROM) Error
P1AB5	Electric A/C Compressor Control Module Run Time Error
P1AB6	Electric A/C Compressor Control Module Watchdog Error

P1AB7	Electric A/C Compressor Control Module Hardware Error
P1AB8	A/C Coolant Heater Control Module Random Access Memory (RAM) Error
P1AB9	A/C Coolant Heater Control Module EEPROM Error
P1ABA	A/C Coolant Heater Control Module Read Only Memory (ROM) Error
P1ABB	A/C Coolant Heater Control Module Watchdog Error
P1ABC	14 Volt Power Module Hybrid Battery System Voltage Low
P1ABD	14 Volt Power Module Hybrid Battery System Voltage High
P1ABE	Hybrid/EV Battery Pack Over Temperature 2nd Threshold Exceeded
P1ABF	A/C Coolant Heater Control Module Hardware Error
P1AC0	Heat Pump Control Module Random Access Memory (RAM) Error
P1AC1	Heat Pump Control Module Read Only Memory (ROM) Error
P1AC2	Heat Pump Control Module Watchdog Error
P1AC3	Heat Pump Control Module Hardware Error
P1AC4	Electric/Auxiliary Transmission Fluid Pump Driver Temperature Too High
P1AC5	Drive Motor 'A' Control Module Crash Detected
P1AC6	Drive Motor 'B' Control Module Lost Crankshaft Position Sensor Signal
P1AC7	Drive Motor 'B' Control Module Crankshaft Position Sensor Signal Range/Performance
P1AC8	Drive Motor 'A' Inverter Efficiency Low
P1AC9	Drive Motor 'A' Inverter Efficiency High
P1ACA	Drive Motor 'A' Control Module Crash Detected via CAN
P1ACB	Drive Motor 'A' Control Module Safety Function Current Error
P1ACC	Drive Motor 'A'
P1ACD	Control Module Monitoring Safety Function Torque Reduction Request From ECM/PCM 'A'
P1ACE	Drive Motor Temperature Sensors Temperature Out of Range Low
P1ACF	Control Module Monitoring Safety Function Torque Reduction Request From TCM
P1AD0	Drive Motor 'A' Torque Generation Disabled
P1AD1	Drive Motor 'A' Limp Home Request Forced Shutdown
P1AD2	Drive Motor 'A' Limp Home Request Free Wheel Detected
P1AD3	Drive Motor 'A' Limp Home Request Motor Temperature Error
P1AD4	Drive Motor 'A' Limp Home Request Control Module Temperature Error
P1AD5	Drive Motor 'A' Inverter Phase U-V-W Voltage Range/Performance
P1AD6	Drive Motor 'A' Phase U-V-W Current Sensor Circuit Range/Performance
P1AD7	Drive Motor Inverter Temperature Sensor 'D' Temperature Implausible Low
P1AD8	Drive Motor Inverter Temperature Sensor 'D' Temperature Implausible High
P1AD9	Drive Motor 'A' Control Module Processor
P1ADA	Drive Motor 'A' Inverter Voltage Range/Performance
P1ADB	Drive Motor 'A' Phase U-V-W Current Implausible
P1ADC	Internal Control Module Drive Motor 'A' EEPROM Error
P1ADD	Internal Control Module Drive Motor 'B' EEPROM Error
P1ADE	Drive Motor 'B' Control Module 14V Power Supply Circuit Low
P1ADF	Drive Motor 'B' Control Module 14V Power Supply Circuit High
P1AE0	Drive Motor 'A' Control Module 14V Power Supply Circuit Low
P1AE1	Drive Motor 'A' Control Module 14V Power Supply Circuit High
P1AE2	Drive Motor Inverter Temperature Sensor 'A'/'B' Correlation
P1AE3	Drive Motor Inverter Temperature Sensor 'B'/'C' Correlation
P1AE4	Drive Motor Inverter Temperature Sensor 'A'/'C' Correlation
P1AE5	Hybrid/EV Battery Contactors Control Circuit, Invalid Signal Received From Hybrid/EV Powertrain Control Module
P1AE6	High Voltage System Interlock Circuit Signal Error
P1AE7	Hybrid/EV Battery Voltage System Isolation Internal Resistance Below 2nd Threshold
P1AE8	Drive Motor 'A' Voltage Sensor Circuit Low
P1AE9	Drive Motor 'A' Voltage Sensor Circuit High
P1AEA	Drive Motor 'B' Voltage Sensor Circuit Low
P1AEB	Drive Motor 'B' Voltage Sensor Circuit High

P1AEC	Drive Motor 'A' Voltage Sensor Circuit Range/Performance
P1AED	Drive Motor 'B' Voltage Sensor Circuit Range/Performance
P1AEE	Drive Motor 'A' High Voltage Circuit High
P1AEF	Drive Motor 'B' High Voltage Circuit High
P1AF0	Drive Motor 'A' Power Supply Circuit Isolation Fault
P1AF1	Drive Motor 'A' Power Supply Circuit Isolation Fault Warning
P1AF2	Drive Motor 'B' Power Supply Circuit Isolation Fault
P1AF3	Drive Motor 'B' Power Supply Circuit Isolation Fault Warning
P1AF4	Drive Motor 'A' Voltage Isolation Sensor Circuit Low
P1AF5	Drive Motor 'A' Voltage Isolation Sensor Circuit High
P1AF6	Drive Motor 'B' Voltage Isolation Sensor Circuit Low
P1AF7	Drive Motor 'B' Voltage Isolation Sensor Circuit High
P1AF8	Drive Motor 'A' Inverter Shutdown Path Error
P1AF9	Drive Motor 'A' Inverter Switch-On Error
P1AFA	Drive Motor 'B' Control Module Programming Error
P1AFB	Drive Motor 'A' Control Module Program Flow Control Invalid
P1AFC	High Voltage System Interlock Circuit Input Circuit Low/Output Circuit High
P1AFD	High Voltage System Interlock Circuit Input Circuit High/Output Circuit Low
P1AFE	Drive Motor 'B' Inverter Shutdown Path Error
P1AFF	Drive Motor 'B' Inverter Switch-On Error
P1B00	Hybrid/EV Battery Cooling System
P1B01	Drive Motor 'B' Control Module Program Flow Control Invalid
P1B02	Hybrid/EV Battery Voltage Sense Circuits Afterrunning Diagnosis
P1B03	Drive Motor 'A' Position Sensor Circuit No Signal
P1B04	Drive Motor 'B' Position Sensor Circuit No Signal
P1B05	Drive Motor 'A' High Voltage System Interlock Circuit
P1B06	Drive Motor 'B' High Voltage System Interlock Circuit
P1B07	Drive Motor 'A' High Voltage Circuit Low
P1B08	Drive Motor 'B' High Voltage Circuit Low
P1B09	Drive Motor 'A' Control Module 14V Power Supply Circuit Too Low for Operation Control Module
P1B0A	Drive Motor 'B' Control Module 14V Power Supply Circuit Too Low for Operation Control Module
P1B0B	Safety Concept Level 2
P1B0C	Safety Concept Level 3
P1B0D	Hybrid/EV Battery Contactors End of Service Life Reached
P1B0E	Drive Motor 'A' Current Sensors Current Sum Implausible
P1B0F	Drive Motor 'A' Position Sensor Learning Incorrect
P1B10	Drive Motor 'B' Position Sensor Learning Incorrect
P1B11	Hybrid/EV Powertrain Control Module Torque Sensing Value Too Low
P1B12	Hybrid/EV Powertrain Control Module Torque Sensing Value Too High
P1B13	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit Range/Performance
P1B14	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit Low
P1B15	Hybrid/EV Battery Pack Voltage Sense 'E' Circuit High
P1B16	Drive Motor 'A' Current Sensors
P1B17	High Voltage System Forced Shutdown
P1B18	Electric/Auxiliary Transmission Fluid Pump Control Deviation
P1B19	High Voltage System Afterrunning Diagnosis Emergency Discharge
P1B1A	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit Range/Performance
P1B1B	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit Low
P1B1C	Hybrid/EV Battery Pack Voltage Sense 'F' Circuit High
P1B1D	Hybrid/EV Battery Pack Voltage Sense 'G' Circuit Range/Performance
P1B1E	Hybrid/EV Battery Pack Voltage Sense 'G' Circuit Low
P1B1F	Hybrid/EV Battery Pack Voltage Sense 'G' Circuit High
P1B20	Hybrid/EV Battery Pack Coolant Pump Disabled

P1B21	Hybrid/EV Powertrain Control Module Torque Loss Dynamic/Calculated Correlation
P1B22	Hybrid/EV Battery Voltage System Isolation Internal Resistance Below 1st Threshold
P1B23	Hybrid/EV Battery Pack Voltage Sense 'H' Circuit Range/Performance
P1B24	Hybrid/EV Battery Pack Voltage Sense 'H' Circuit Low
P1B25	Hybrid/EV Battery Pack Voltage Sense 'H' Circuit High
P1B26	High Voltage Service Disconnect Evaluation Implausible
P1B27	Hybrid/EV Battery Cooling System Chiller Performance
P1B28	Hybrid/EV Battery Pack Coolant Pump Limited Operation
P1B29	Hybrid/EV Battery Pack Coolant Pump Dry Run
P1B2A	Hybrid/EV Battery Pack Coolant Pump Control Circuit Over Voltage or Over Current
P1B2B	Hybrid/EV Battery Pack Coolant Pump Defective
P1B2C	Hybrid/EV Battery Contactor Delayed Opening
P1B2D	Hybrid Battery Cable PEB (Power Electronic Box) Circuit/Open
P1B2E	Hybrid/EV Battery Pack Heater Current Sensor Circuit Current Implausible High
P1B2F	Hybrid/EV Battery Contactors Stuck Open
P1B30	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Park Position Engaged Contrary Driver Command
P1B31	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Park Position Not Engaged Contrary Driver Command
P1B32	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Current Park Position Not Detectable
P1B33	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Current Park Position Not Detectable or Implausible
P1B34	Hybrid/EV Battery Coolant Valve to Heat Exchanger Circuit High
P1B35	Hybrid/EV Battery Coolant Valve to Heat Exchanger Circuit Low
P1B36	Hybrid/EV Battery Coolant Valve to Heat Exchanger Circuit
P1B37	Hybrid/EV Battery Coolant Valve to Chiller Circuit High
P1B38	Hybrid/EV Battery Coolant Valve to Chiller Circuit Low
P1B39	Hybrid/EV Battery Coolant Valve to Chiller Circuit
P1B3A	DC/DC Converter High Voltage Current High
P1B3B	DC/DC Converter Low Voltage Current High
P1B3C	DC/DC Converter High Voltage Current Out of Range
P1B3D	DC/DC Converter Low Voltage Current Out of Range
P1B3E	Drive Motor 'A' Inverter Voltage Sensor DC Link Voltage Correlation
P1B3F	Hybrid/EV Battery Overcurrent
P1B40	High Voltage Service Disconnect Disabled
P1B41	Hybrid/EV Battery Contactors Open (Detected by Battery Energy Control Module 'A')
P1B42	Hybrid/EV Battery Precharge Resistance Thermal Protection Active
P1B43	Hybrid/EV Battery Voltage System Isolation Resistance Below 2nd Threshold
P1B44	Hybrid/EV Battery Voltage System Isolation Resistance Below 1st Threshold
P1B45	Hybrid/EV Battery Positive and Precharge Contactor Circuit Stuck
P1B46	Hybrid/EV Battery Negative Contactor Circuit Stuck
P1B47	High Voltage Safety Functionality Disabled
P1B48	Hybrid/EV Battery Pack Coolant Pump Speed Implausible
P1B49	High Voltage System Voltage Implausible
P1B4A	Internal Hybrid/EV Powertrain Control Module Shift By Wire Monitoring Error
P1B4B	High Voltage System Voltage Low
P1B4C	High Voltage System Voltage High
P1B4D	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Wrong Command
P1B4E	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Signal Error Transmission Position
P1B4F	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Wrong Transmission Position
P1B50	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Vehicle Speed
P1B51	Hybrid/EV Powertrain Control Module Internal Transmission Monitoring Incorrect Gear
P1B52	Drive Motor 'A' Phase U Current Sensor Circuit Current Out of Range Low
P1B53	Drive Motor 'A' Phase U Current Sensor Circuit Current Out of Range High
P1B54	Drive Motor 'A' Phase V Current Sensor Circuit Current Out of Range Low
P1B55	Drive Motor 'A' Phase V Current Sensor Circuit Current Out of Range High

P1B56	Drive Motor 'A' Phase W Current Sensor Circuit Current Out of Range Low
P1B57	Drive Motor 'A' Phase W Current Sensor Circuit Current Out of Range High
P1B58	Drive Motor 'A' Current Sensor Circuit Current Out of Range Low
P1B59	Drive Motor 'A' Current Sensor Circuit Current Out of Range High
P1B5A	Drive Motor 'A' Cooling System Signal Implausible
P1B5B	Internal Control Module Drive Motor 'A' Cooling System Driver Temperature Too High
P1B5C	Drive Motor 'A' Coolant Pump Cut-Off, Due to Blocking
P1B5D	Drive Motor 'A' Coolant Pump Cut-Off, Internal Temperature Too High
P1B5E	Drive Motor 'A' Coolant Pump Dry Run
P1B5F	Hybrid/EV Powertrain Control Module Actual Torques Correlation
P1B60	Drive Motor Inverter Temperature Sensor 'A' Circuit Temperature Out of Range Low
P1B61	Drive Motor Inverter Temperature Sensor 'A' Circuit Temperature Out of Range High
P1B62	Drive Motor Inverter Temperature Sensor 'A' Circuit Temperature Implausible Low
P1B63	Drive Motor Inverter Temperature Sensor 'B' Circuit Temperature Out of Range Low
P1B64	Drive Motor Inverter Temperature Sensor 'B' Circuit Temperature Out of Range High
P1B65	Drive Motor Inverter Temperature Sensor 'B' Circuit Temperature Implausible Low
P1B66	Drive Motor Inverter Temperature Sensor 'C' Circuit Temperature Out of Range Low
P1B67	Drive Motor Inverter Temperature Sensor 'C' Circuit Temperature Out of Range High
P1B68	Drive Motor Inverter Temperature Sensor 'C' Circuit Temperature Implausible Low
P1B69	Drive Motor 'A' Temperature Sensor Circuit Temperature Out fo Range Low
P1B6A	Drive Motor 'A' Temperature Sensor Circuit Temperature Out of Range High
P1B6B	Drive Motor 'A' Inverter Temperature Sensors
P1B6C	Drive Motor 'A' Temperature Sensor Circuit Temperature Implausible High
P1B6D	Drive Motor 'A' Temperature Sensor 'B' Circuit Low
P1B6E	Drive Motor 'A' Temperature Sensor 'B' Circuit High
P1B6F	Drive Motor 'A' Temperature Sensor 'B' Circuit Temperature Out fo Range Low
P1B70	Drive Motor 'A' Temperature Sensor 'B' Circuit Temperature Out fo Range High
P1B71	Battery Control - Forced System Shutdown
P1B72	Drive Motor Control - Forced System Shutdown
P1B73	Sensor System - Forced System Shutdown
P1B74	Limp Home Remedial Action - Forced System Shutdown
P1B75	Drive Motor 'A' Temperature Sensor 'B' Circuit Range/Performance
P1B76	Drive Motor 'A' Temperature Sensor 'B' Range/Performance - Temperature Too Low
P1B77	Drive Motor 'A' Temperature Sensor 'B' Range/Performance - Temperature Too High
P1B78	Drive Motor 'A' Temperature Sensor 'B' Circuit Temperature Implausible Low
P1B79	Drive Motor 'A' Temperature Sensor 'B' Circuit Temperature Implausible High
P1B7A	Drive Motor 'A' Temperature Sensors
P1B7B	Drive Motor 'A' Position Sensor Circuit 'A' Signal Out of Range Low
P1B7C	Drive Motor 'A' Position Sensor Circuit 'A' Signal Out of Range High
P1B7D	Drive Motor 'A' Position Sensor Circuit 'B' Signal Out of Range Low
P1B7E	Drive Motor 'A' Position Sensor Circuit 'B' Signal Out of Range High
P1B7F	Drive Motor 'A' Position Sensor Circuit Signal Out of Range Low
P1B80	Drive Motor 'A' Position Sensor Circuit Signal Out of Range High
P1B81	Drive Motor 'A' Position Sensor Circuit 'A'/'B' Correlation
P1B82	Hybrid/EV Battery Voltage Sense 'I' Circuit Voltage Implausible Low
P1B83	Hybrid/EV Battery Voltage Sense 'I' Circuit Voltage Implausible High
P1B84	Hybrid/EV Battery Voltage Sense 'J' Circuit Voltage Implausible Low
P1B85	Hybrid/EV Battery Voltage Sense 'J' Circuit Voltage Implausible High
P1B86	Hybrid/EV Battery Voltage Sense 'K' Circuit Voltage Implausible Low
P1B87	Hybrid/EV Battery Voltage Sense 'K' Circuit Voltage Implausible High
P1B88	Hybrid/EV Battery Voltage Sense 'L' Circuit Voltage Implausible Low
P1B89	Hybrid/EV Battery Voltage Sense 'L' Circuit Voltage Implausible High
P1B8A	Hybrid/EV Battery Module 'I' Minimum One Single Cell Defective

P1B8B	Hybrid/EV Battery Module 'J' Minimum One Single Cell Defective
P1B8C	Hybrid/EV Battery Module 'K' Minimum One Single Cell Defective
P1B8D	Hybrid/EV Battery Module 'L' Minimum One Single Cell Defective
P1B8E	Drive Motor 'A' Position Sensor Circuit Signals Implausible
P1B8F	Drive Motor 'A' Inverter Gate Driver Temperature Too High
P1B90	14 Volt Power Module System Voltage, Current High
P1B91	14 Volt Power Module Hybrid Battery System Voltage, Current High
P1B92	Hybrid/EV Battery Voltage Sense 'A' Circuit Voltage Implausible Low
P1B93	Hybrid/EV Battery Voltage Sense 'A' Circuit Voltage Implausible High
P1B94	Hybrid/EV Battery Module 'A' Circuit Low
P1B95	Hybrid/EV Battery Module 'A' Circuit High
P1B96	Hybrid/EV Battery Voltage Sense 'B' Circuit Voltage Implausible Low
P1B97	Hybrid/EV Battery Voltage Sense 'B' Circuit Voltage Implausible High
P1B98	Hybrid/EV Battery Module 'B' Circuit Low
P1B99	Hybrid/EV Battery Module 'B' Circuit High
P1B9A	Hybrid/EV Battery Voltage Sense 'C' Circuit Voltage Implausible Low
P1B9B	Hybrid/EV Battery Voltage Sense 'C' Circuit Voltage Implausible High
P1B9C	Hybrid/EV Battery Module 'C' Circuit Low
P1B9D	Hybrid/EV Battery Module 'C' Circuit High
P1B9E	Hybrid/EV Battery Voltage Sense 'D' Circuit Voltage Implausible Low
P1B9F	Hybrid/EV Battery Voltage Sense 'D' Circuit Voltage Implausible High
P1BA0	Hybrid/EV Battery Module 'D' Circuit Low
P1BA1	Hybrid/EV Battery Module 'D' Circuit High
P1BA2	Hybrid/EV Battery Voltage Sense 'E' Circuit Voltage Implausible Low
P1BA3	Hybrid/EV Battery Voltage Sense 'E' Circuit Voltage Implausible High
P1BA4	Hybrid/EV Battery Module 'E' Circuit Low
P1BA5	Hybrid/EV Battery Module 'E' Circuit High
P1BA6	Hybrid/EV Battery Voltage Sense 'F' Circuit Voltage Implausible Low
P1BA7	Hybrid/EV Battery Voltage Sense 'F' Circuit Voltage Implausible High
P1BA8	Hybrid/EV Battery Module 'F' Circuit Low
P1BA9	Hybrid/EV Battery Module 'F' Circuit High
P1BAA	Hybrid/EV Battery Voltage Sense 'G' Circuit Voltage Implausible Low
P1BAB	Hybrid/EV Battery Voltage Sense 'G' Circuit Voltage Implausible High
P1BAC	Hybrid/EV Battery Module 'G' Circuit Low
P1BAD	Hybrid/EV Battery Module 'G' Circuit High
P1BAE	Hybrid/EV Battery Voltage Sense 'H' Circuit Voltage Implausible Low
P1BAF	Hybrid/EV Battery Voltage Sense 'H' Circuit Voltage Implausible High
P1BB0	Hybrid/EV Battery Module 'H' Circuit Low
P1BB1	Hybrid/EV Battery Module 'H' Circuit High
P1BB2	Hybrid/EV Battery Module 'A' Over Temperature
P1BB3	Hybrid/EV Battery Module 'A' Over Temperature, Power Reduction
P1BB4	Hybrid/EV Battery Module 'B' Over Temperature
P1BB5	Hybrid/EV Battery Module 'B' Over Temperature, Power Reduction
P1BB6	Hybrid/EV Battery Module 'C' Over Temperature
P1BB7	Hybrid/EV Battery Module 'C' Over Temperature, Power Reduction
P1BB8	Hybrid/EV Battery Module 'D' Over Temperature
P1BB9	Hybrid/EV Battery Module 'D' Over Temperature, Power Reduction
P1BBA	Hybrid/EV Battery Module 'E' Over Temperature
P1BBB	Hybrid/EV Battery Module 'E' Over Temperature, Power Reduction
P1BBC	Hybrid/EV Battery Module 'F' Over Temperature
P1BBD	Hybrid/EV Battery Module 'F' Over Temperature, Power Reduction
P1BBE	Hybrid/EV Battery Module 'G' Over Temperature
P1BBF	Hybrid/EV Battery Module 'G' Over Temperature, Power Reduction

P1BC0	Hybrid/EV Battery Module 'H' Over Temperature
P1BC1	Hybrid/EV Battery Module 'H' Over Temperature, Power Reduction
P1BC2	Hybrid/EV Battery Temperature Sensors, Multiple Module Failure
P1BC3	Hybrid/EV Battery Pack Coolant Temperature Sensor 'A' Circuit Temperature Out of Range Low
P1BC4	Hybrid/EV Battery Pack Coolant Temperature Sensor 'A' Circuit Temperature Out of Range High
P1BC5	Hybrid/EV Battery Module 'A' Minimum One Single Cell Defective
P1BC6	Hybrid/EV Battery Module 'B' Minimum One Single Cell Defective
P1BC7	Hybrid/EV Battery Module 'C' Minimum One Single Cell Defective
P1BC8	Hybrid/EV Battery Module 'D' Minimum One Single Cell Defective
P1BC9	Hybrid/EV Battery Module 'E' Minimum One Single Cell Defective
P1BCA	Hybrid/EV Battery Module 'F' Minimum One Single Cell Defective
P1BCB	Hybrid/EV Battery Module 'G' Minimum One Single Cell Defective
P1BCC	Hybrid/EV Battery Module 'H' Minimum One Single Cell Defective
P1BCD	Hybrid/EV Battery Interface Control Module Circuit/Open
P1BCE	Hybrid/EV Battery Interface Control Module 'A' Circuit Range/Performance
P1BCF	Hybrid/EV Battery Interface Control Module Circuit Low
P1BD0	Hybrid/EV Battery Interface Control Module Circuit High
P1BD1	Hybrid/EV Battery Interface Control Module Driver Error
P1BD2	Hybrid/EV Battery Pack Voltage and Current Sensor Measuring Values Implausible
P1BD3	Hybrid/EV Battery Pack Voltage and Current Sensor Circuit Voltage Out of Range Low
P1BD4	Hybrid/EV Battery Pack Voltage and Current Sensor Circuit Voltage Out of Range High
P1BD5	Drive Motor 'A' Inverter Transistor Temperature Too High
P1BD6	Hybrid/EV Battery Voltage Circuit Range/Performance
P1BD7	Hybrid Battery Control Module Crash Detected
P1BD8	Hybrid Battery Control Module Crash Clamp Disconnection
P1BD9	Hybrid/EV Battery Contactor Supply Voltage Low
P1BDA	Hybrid Battery Control Module Power Supply Circuit Voltage Low
P1BDB	Hybrid/EV Battery Interface Control Module 'B' Circuit Range/Performance
P1BDC	Hybrid Battery Control Module Safety Concept Level 2
P1 added	Hybrid/EV Battery Interface Control Module 'C' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'D' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'E' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'F' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'G' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'H' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'I' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'J' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'K' Circuit Range/Performance
P1 added	Hybrid/EV Battery Interface Control Module 'L' Circuit Range/Performance
P1 added	Hybrid/EV Battery Module 'I' Circuit Low
P1 added	Hybrid/EV Battery Module 'I' Circuit High
P1 added	Hybrid/EV Battery Module 'J' Circuit Low
P1 added	Hybrid/EV Battery Module 'J' Circuit High
P1 added	Hybrid/EV Battery Module 'K' Circuit Low
P1 added	Hybrid/EV Battery Module 'K' Circuit High
P1 added	Hybrid/EV Battery Module 'L' Circuit Low
P1 added	Hybrid/EV Battery Module 'L' Circuit High
P1 added	Drive Motor 'A' Inverter Phase U-V-W Temperature Too High
P1 added	Hybrid/EV Battery Pack Heater Control Circuit Shorted
P1 added	Hybrid/EV Battery Pack Heater Current Sensor Circuit Range/Performance
P1 added	Hybrid/EV Battery Pack Heater Current Sensor Overcurrent
P1 added	Battery Energy Control Module 'A' Timer/Clock Performance
P1 added	Hybrid/EV Battery Pack Heater Voltage Sensor Circuit Voltage Implausible Low

P1BF5	Hybrid/EV Battery Pack Heater Voltage Sensor Circuit Voltage Implausible High
P1BF6	Hybrid/EV Battery Pack Heater Circuit
P1BF7	Hybrid/EV Battery Pack Heater Resistance Circuit Range/Performance
P1BF8	Hybrid/EV Battery System Current Range/Performance
P1BF9	Hybrid/EV Battery Cell Current High
P1BFA	Hybrid/EV Battery Pack Heater Circuit/Open
P1BFB	Hybrid/EV Battery Pack Heater Transistor Circuit Shorted
P1BFC	Hybrid/EV Battery Pack Heater Transistor Circuit High
P1BFD	Hybrid/EV Battery Pack Heater Transistor Current Implausible
P1BFE	Hybrid/EV Battery Pack Heater Transistor Over Temperature
P1BFF	Internal Control Module Memory Check
P1C00	Hybrid/EV Battery Pack Coolant Control Valve 'A' Driver Error
P1C01	Hybrid/EV Battery Pack Coolant Temperature Sensor Temperature Too Low
P1C02	Hybrid/EV Battery Pack Coolant Temperature Sensor Temperature Too High
P1C03	Hybrid/EV Battery Discharging Voltage Low
P1C04	Hybrid/EV Battery Pack Charging Voltage High
P1C05	Hybrid/EV Battery Pack Discharging Voltage Low
P1C06	Hybrid/EV Battery Precharging Current High
P1C07	Drive Motor Inverter Phase U Circuit/Open
P1C08	Drive Motor Inverter Phase V Circuit/Open
P1C09	Drive Motor Inverter Phase W Circuit/Open
P1C0A	Drive Motor 'A' Inverter Phase U-V-W Temperature Implausible
P1C0B	Drive Motor 'A' Inverter Transistor 1
P1C0C	Drive Motor 'A' Inverter Transistor 2
P1C0D	Drive Motor 'A' Inverter Voltage Too Low
P1C0E	Drive Motor 'A' Inverter Overvoltage Protection
P1C0F	Drive Motor 'A' Control Module Clock Generator Signal Frequency Out of Range
P1C10	Drive Motor 'A' Position Sensor Circuit Shorted
P1C11	Drive Motor 'A' Position Sensor Circuit Range/Performance - Signal Too Low
P1C12	Drive Motor 'A' Position Sensor Circuit Range/Performance - Signal Too High
P1C13	Drive Motor 'A' Position Sensor Circuit Signal Deviation Too High
P1C14	Drive Motor 'A' Position Sensor Phase Angle Implausible
P1C15	Drive Motor 'A' Position Sensor, Position Implausible
P1C16	Internal Drive Motor 'A' Control Module Position Sensor Initialization Error
P1C17	Internal Drive Motor 'A' Control Module Position Sensor Storage Error
P1C18	Internal Drive Motor 'A' Control Module Position Sensor Configuration Error
P1C19	Drive Motor 'A' Control Module Safety Function Drive Motor Torque Limit Error
P1C1A	DC/DC Converter Temperature 'A' High
P1C1B	DC/DC Converter Temperature 'B' High
P1C1C	Cold Start DC/DC Converter Temperature 'A' Implausible
P1C1D	Cold Start DC/DC Converter Temperature 'B' Implausible
P1C1E	Drive Motor 'A' Control Module Shutdown Path Error
P1C1F	Internal Drive Motor 'A' Control Module Watchdog Error
P1C20	DC/DC Converter High Voltage Current Sensor Circuit Low
P1C21	DC/DC Converter High Voltage Current Sensor Circuit High
P1C22	DC/DC Converter High Voltage Current Sensor Circuit Current Implausible
P1C23	DC/DC Converter Low Voltage Current Sensor Circuit Low
P1C24	DC/DC Converter Low Voltage Current Sensor Circuit High
P1C25	DC/DC Converter Low Voltage Current Sensor Circuit Current Implausible
P1C26	DC/DC Converter Internal DC Link Current Sensor Circuit Low
P1C27	DC/DC Converter Internal DC Link Current Sensor Circuit High
P1C28	DC/DC Converter Internal DC Link Current Sensor Circuit Current Implausible
P1C29	Drive Motor 'A' Control Module Cut-Off

P1C2A	Drive Motor 'A' Inverter Power Supply Forerunning or Afterrunning Diagnosis Circuit/Open
P1C2B	Electric/Auxiliary Transmission Fluid Pump Control Module Control Signal
P1C2C	Battery Charger Control Module Random Access Memory (RAM) Error
P1C2D	Battery Charger Control Module Non-Volatile Random Access Memory (NVRAM) Error
P1C2E	Battery Charger Control Module Temperature Sensor 'A'/'B' Correlation
P1C2F	Battery Charger Control Module Temperature Sensor 'B'/'C' Correlation
P1C30	Drive Motor 'A' Control Module Safety Function Processor Error
P1C31	Drive Motor 'A' Control Module Safety Function Current Sum Error
P1C32	Drive Motor 'A' Control Module Safety Function Drive Motor Duty Factor Error
P1C33	Drive Motor 'A' Control Module Safety Function Memory Error
P1C34	Drive Motor 'A' Control Module Safety Function Drive Motor Speed Error
P1C35	Drive Motor 'A' Control Module Safety Function Drive Motor Calculated Actual Torque Error
P1C36	Drive Motor 'A' Control Module Safety Function Drive Motor Actual Torque Error
P1C37	Drive Motor 'A' Control Module Safety Function Input Voltage Error
P1C38	Safety Function Longitudinal Acceleration
P1C39	Hybrid/EV Electronics Coolant Pump Signal Error
P1C3A	Battery Charger Coupler Lock 'B' Control Circuit Circuit/Open
P1C3B	Battery Charger Coupler Lock 'B' Control Circuit Performance
P1C3C	Battery Charger Coupler Lock 'B' Control Circuit Low
P1C3D	Battery Charger Coupler Lock 'B' Control Circuit High
P1C3E	AC/DC Converter Current Implausible Low
P1C3F	AC/DC Converter Current Implausible High
P1C40	Universal Charger Extension Control Module Software/Calibration
P1C41	Universal Charger Extension Control Module Timer/Clock Performance
P1C42	Universal Charger Extension Control Module Hardware Error
P1C43	Hybrid/EV Battery Pack Coolant Outlet Temperature Sensor Circuit Performance
P1C44	Hybrid/EV Battery Pack Coolant Outlet Temperature Sensor Circuit Low
P1C45	Hybrid/EV Battery Pack Coolant Outlet Temperature Sensor Circuit Performance High
P1C46	Universal Charger Extension Control Module Charge Enable Voltage Sensor Circuit Low
P1C47	Universal Charger Extension Control Module Charge Enable Voltage Sensor Circuit High
P1C48	Universal Charger Extension Control Module Charge Enable Voltage Sensor Circuit Voltage Out of Range Low
P1C49	Universal Charger Extension Control Module Charge Enable Voltage Sensor Circuit Voltage Out of Range High
P1C4A	Universal Charger Extension Control Module Charge Enable Voltage Sensor Circuit Range/Performance
P1C4B	Universal Charger Extension Control Module Crash Clamp Voltage Sensor Circuit Low
P1C4C	Universal Charger Extension Control Module Crash Clamp Voltage Sensor Circuit High
P1C4D	Universal Charger Extension Control Module Crash Clamp Voltage Sensor Circuit Voltage Out of Range Low
P1C4E	Universal Charger Extension Control Module Crash Clamp Voltage Sensor Circuit Voltage Out of Range High
P1C4F	Universal Charger Extension Control Module Crash Clamp Voltage Sensor Circuit Range/Performance
P1C50	Power Factor Correction Voltage Sensor Circuit Low
P1C51	Universal Charger Extension Control Module System Voltage Sensor Circuit Low
P1C52	Universal Charger Extension Control Module System Voltage Sensor Circuit High
P1C53	Universal Charger Extension Control Module System Voltage Sensor Circuit Voltage Out of Range Low
P1C54	Universal Charger Extension Control Module System Voltage Sensor Circuit Voltage Out of Range High
P1C55	Universal Charger Extension Control Module System Voltage Sensor/Crash Clamp Voltage Sensor Correlation
P1C56	Universal Charger Extension Control Module AC Charger Efficiency Low
P1C57	Universal Charger Extension Control Module AC Charger Efficiency High
P1C58	Universal Charger Extension Control Module AC Charger Current Implausible
P1C59	Universal Charger Extension Control Module AC Charger Output Power Implausible
P1C5A	Universal Charger Extension Control Module Cooling System Temperature Sensor Circuit Low
P1C5B	Universal Charger Extension Control Module Cooling System Temperature Sensor Circuit High
P1C5C	Universal Charger Extension Control Module Cooling System Temperature Sensor Circuit Temperature Out of Range Low
P1C5D	Universal Charger Extension Control Module Cooling System Temperature Sensor Circuit Temperature Too High
P1C5E	Universal Charger Extension Control Module Cooling System Temperature Sensor/DC/DC Converter Temperature Sensor Correlation

P1C5F	Universal Charger Extension Control Module Power Factor Correction Converter Current Sensor Circuit Low
P1C60	Universal Charger Extension Control Module Power Factor Correction Converter Current Sensor Circuit High
P1C61	Universal Charger Extension Control Module Power Factor Correction Converter Current Sensor Circuit Current Out of Range High
P1C62	Universal Charger Extension Control Module Power Factor Correction Converter Current Sensor Circuit Current Implausible Low
P1C63	Universal Charger Extension Control Module Power Factor Correction Converter Current Sensor Circuit Current Implausible High
P1C64	Universal Charger Extension Control Module Power Factor Correction Converter Voltage Sensor Circuit Low
P1C65	Universal Charger Extension Control Module Power Factor Correction Converter Voltage Sensor Circuit High
P1C66	Universal Charger Extension Control Module Power Factor Correction Converter Voltage Sensor Circuit Voltage Out of Range Low
P1C67	Universal Charger Extension Control Module Power Factor Correction Converter Voltage Sensor Circuit Voltage Out of Range High
P1C68	Universal Charger Extension Control Module Power Factor Correction Converter Voltage Sensor Circuit Voltage Below Threshold 'A'
P1C69	Universal Charger Extension Control Module Power Factor Correction Converter Voltage Sensor Circuit Voltage Below Threshold 'B'
P1C6A	Universal Charger Extension Control Module Internal DC Link Voltage Sensor Circuit Low
P1C6B	Universal Charger Extension Control Module Internal DC Link Voltage Sensor Circuit High
P1C6C	Universal Charger Extension Control Module Internal DC Link Voltage Sensor Circuit Voltage Out of Range Low
P1C6D	Universal Charger Extension Control Module Internal DC Link Voltage Sensor Circuit Voltage Out of Range High
P1C6E	Universal Charger Extension Control Module Internal DC Link Voltage Sensor Circuit Range/Performance
P1C6F	Universal Charger Extension Control Module DC/DC Converter Discharge Circuit Current Implausible Low
P1C70	Universal Charger Extension Control Module DC/DC Converter Discharge Circuit Current Implausible High
P1C71	Universal Charger Extension Control Module DC/DC Converter Current Sensor Circuit Low
P1C72	Universal Charger Extension Control Module DC/DC Converter Current Sensor Circuit High
P1C73	Universal Charger Extension Control Module DC/DC Converter Current Sensor Circuit Current Out of Range High
P1C74	Universal Charger Extension Control Module DC/DC Converter High Voltage Current Sensor Circuit Low
P1C75	Universal Charger Extension Control Module DC/DC Converter High Voltage Current Sensor Circuit High
P1C76	Universal Charger Extension Control Module DC/DC Converter High Voltage Current Sensor Circuit Current Out of Range High
P1C77	Universal Charger Extension Control Module DC/DC Converter High Voltage Current Sensor Circuit Current Implausible Low
P1C78	Universal Charger Extension Control Module DC/DC Converter High Voltage Current Sensor Circuit Current Implausible High
P1C79	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor Circuit Low
P1C7A	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor Circuit High
P1C7B	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor Circuit Voltage Out of Range Low
P1C7C	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor Circuit Voltage Out of Range High
P1C7D	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor Circuit Voltage Implausible Low
P1C7E	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor Circuit Voltage Implausible High
P1C7F	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor Circuit Range/Performance
P1C80	Universal Charger Extension Control Module DC/DC Converter Resonant Inductor Temperature Sensor Circuit Low
P1C81	Universal Charger Extension Control Module DC/DC Converter Resonant Inductor Temperature Sensor Circuit High
P1C82	Universal Charger Extension Control Module DC/DC Converter Resonant Inductor Temperature Sensor Circuit Temperature Out of Range Low
P1C83	Universal Charger Extension Control Module DC/DC Converter Resonant Inductor Temperature Sensor Circuit Temperature Out of Range High
P1C84	Universal Charger Extension Control Module DC/DC Converter Resonant Inductor Temperature Sensor Circuit Range/Performance
P1C85	Universal Charger Extension Control Module DC/DC Converter Resonant Inductor Temperature Sensor/Transformer Temperature Sensor Correlation
P1C86	Universal Charger Extension Control Module AC Charger Temperature Sensor Circuit Low
P1C87	Universal Charger Extension Control Module AC Charger Temperature Sensor Circuit High
P1C88	Universal Charger Extension Control Module AC Charger Temperature Sensor Circuit Temperature Out of Range Low
P1C89	Universal Charger Extension Control Module AC Charger Temperature Sensor Circuit Temperature Out of Range High
P1C8A	Universal Charger Extension Control Module DC/DC Converter Transformer Temperature Sensor Circuit Low
P1C8B	Universal Charger Extension Control Module DC/DC Converter Transformer Temperature Sensor Circuit High
P1C8C	Universal Charger Extension Control Module DC/DC Converter Transformer Temperature Sensor Circuit Temperature Out of Range Low
P1C8D	Universal Charger Extension Control Module DC/DC Converter Transformer Temperature Sensor Circuit Temperature Out of Range High
P1C8E	Universal Charger Extension Control Module DC/DC Converter Transformer Temperature Sensor Circuit Range/Performance
P1C8F	Hybrid/EV Electronics Coolant Pump Dry Run
P1C90	Loading Interface Module Charging Station Input Signal Circuit High
P1C91	Loading Interface Module Charging Station Charging Plug Circuit High
P1C92	Loading Interface Module Charging Station Input Signal Circuit Range/Performance
P1C93	Loading Interface Module Charge Enable Signal Circuit Low

P1C94	Loading Interface Module Charge Enable Signal Circuit High
P1C95	Loading Interface Module Charge Enable Signal Circuit/Open
P1C96	Battery Charger Coupler Lock Position Sensor Circuit/Open
P1C97	Universal Charger Extension Control Module DC/DC Converter Voltage Sensor/Hybrid/EV Battery Pack Voltage and Current Sensor Correlation
P1C98	Loading Interface Module Contactor Control Positive Contactor Driver Circuit Low
P1C99	Loading Interface Module Contactor Control Positive Contactor Driver Circuit High
P1C9A	Loading Interface Module Contactor Control Positive Contactor Driver Circuit/Open
P1C9B	Loading Interface Module Contactor Control Positive Contactor Driver
P1C9C	Loading Interface Module Contactor Control Negative Contactor Driver Circuit Low
P1C9D	Loading Interface Module Contactor Control Negative Contactor Driver Circuit High
P1C9E	Loading Interface Module Contactor Control Negative Contactor Driver Circuit/Open
P1C9F	Loading Interface Module Contactor Control Negative Contactor Driver
P1CA0	Loading Interface Module Contactor Control
P1CA1	AC/DC Converter Resonant Inductor Temperature Sensor Circuit Low
P1CA2	AC/DC Converter Resonant Inductor Temperature Sensor Circuit Temperature Out of Range High
P1CA3	AC/DC Converter Resonant Inductor Temperature Sensor Circuit Temperature Implausible Low
P1CA4	AC/DC Converter Resonant Inductor Temperature Sensor Circuit Temperature Implausible High
P1CA5	AC/DC Converter Resonant Inductor Temperature Sensor Circuit Range/Performance
P1CA6	AC/DC Converter Transformer Temperature Sensor Circuit Low
P1CA7	AC/DC Converter Transformer Temperature Sensor Circuit Temperature Out of Range High
P1CA8	AC/DC Converter Transformer Temperature Sensor Circuit Temperature Implausible Low
P1CA9	AC/DC Converter Transformer Temperature Sensor Circuit Temperature Implausible High
P1CAA	AC/DC Converter Transformer Temperature Sensor Circuit Range/Performance
P1CAB	Power Factor Correction Temperature Sensor 'A' Circuit Low
P1CAC	Power Factor Correction Temperature Sensor 'A' Circuit Temperature Out of Range High
P1CAD	Power Factor Correction Temperature Sensor 'A' Circuit Temperature Implausible Low
P1CAE	Power Factor Correction Temperature Sensor 'A' Circuit Temperature Implausible High
P1CAF	Power Factor Correction Temperature Sensor 'A' Circuit Range/Performance
P1CB0	Power Factor Correction Temperature Sensor 'B' Circuit Low
P1CB1	Power Factor Correction Temperature Sensor 'B' Circuit Temperature Out of Range High
P1CB2	Power Factor Correction Temperature Sensor 'B' Circuit Temperature Implausible Low
P1CB3	Power Factor Correction Temperature Sensor 'B' Circuit Temperature Implausible High
P1CB4	Power Factor Correction Temperature Sensor 'B' Circuit Range/Performance
P1CB5	Power Factor Correction Temperature Sensor 'C' Circuit Low
P1CB6	Power Factor Correction Temperature Sensor 'C' Circuit Temperature Out of Range High
P1CB7	Power Factor Correction Temperature Sensor 'C' Circuit Temperature Implausible Low
P1CB8	Power Factor Correction Temperature Sensor 'C' Circuit Temperature Implausible High
P1CB9	Power Factor Correction Temperature Sensor 'C' Circuit Range/Performance
P1CBA	Power Factor Correction Voltage Sensor Circuit High
P1CBB	Power Factor Correction Voltage Sensor Circuit Voltage Out of Range High
P1CBC	Power Factor Correction Voltage Sensor Circuit Voltage Implausible Low
P1CBD	Power Factor Correction Voltage Sensor Circuit Voltage Implausible High
P1CBE	Battery Charger Control Module Temperature Sensor 'A' Circuit Low
P1CBF	Battery Charger Control Module Temperature Sensor 'A' Circuit Temperature Out of Range High
P1CC0	Battery Charger Control Module Temperature Sensor 'A' Circuit Temperature Implausible Low
P1CC1	Battery Charger Control Module Temperature Sensor 'A' Circuit Temperature Implausible High
P1CC2	Battery Charger Control Module Temperature Sensor 'A' Circuit Range/Performance
P1CC3	Battery Charger Control Module Temperature Sensor 'A' Circuit High
P1CC4	Battery Charger Control Module Temperature Sensor 'B' Circuit Intermittent/Erratic
P1CC5	Battery Charger Control Module Temperature Sensor 'B' Circuit Low
P1CC6	Battery Charger Control Module Temperature Sensor 'B' Circuit High
P1CC7	Battery Charger Control Module Temperature Sensor 'C' Circuit Intermittent/Erratic
P1CC8	Battery Charger Control Module Temperature Sensor 'C' Circuit Low

P1CC9	Battery Charger Control Module Temperature Sensor 'C' Circuit High
P1CCA	Battery Charger Control Module Watchdog Error
P1CCB	DC/DC Converter Current Sensor Signal 'B' Circuit Current Out of Range High
P1CCC	DC/DC Converter Current Sensor Signal 'B' Circuit Range/Performance
P1CCD	DC/DC Converter High Voltage Current Sensor Circuit Current Out of Range Low
P1CCE	DC/DC Converter High Voltage Current Sensor Circuit Current Out of Range High
P1CCF	DC/DC Converter High Voltage Current Sensor Circuit Current Implausible Low
P1CD0	DC/DC Converter High Voltage Current Sensor Circuit Current Implausible High
P1CD1	DC/DC Converter High Voltage Current Sensor 'B' Circuit Low
P1CD2	DC/DC Converter High Voltage Current Sensor 'B' Circuit High
P1CD3	DC/DC Converter High Voltage Current Sensor 'B' Circuit Current Out of Range Low
P1CD4	DC/DC Converter High Voltage Current Sensor 'B' Circuit Current Out of Range High
P1CD5	DC/DC Converter High Voltage Current Sensor 'B' Circuit Current Implausible Low
P1CD6	DC/DC Converter High Voltage Current Sensor 'B' Circuit Current Implausible High
P1CD7	DC/DC Converter Voltage Sensor 'A' Voltage Out of Range Low
P1CD8	DC/DC Converter Voltage Sensor 'A' Voltage Out of Range High
P1CD9	Drive Motor 'A' Inverter Transistor Gate Driver Temperature Sensor Range/Performance
P1CDA	DC/DC Converter Voltage Sensor 'A' Voltage Implausible High
P1CDB	DC/DC Converter Voltage Sensor 'B' Circuit Voltage Out of Range Low
P1CDC	DC/DC Converter Voltage Sensor 'B' Circuit Voltage Out of Range High
P1CDD	DC/DC Converter High Voltage Side Diode 'A' Temperature Range/Performance
P1CDE	DC/DC Converter High Voltage Side Diode 'B' Temperature Range/Performance
P1CDF	DC/DC Converter High Voltage Side Transistor 'A' Temperature Range/Performance
P1CE0	DC/DC Converter Temperature Sensor 'A' Temperature Out of Range Low
P1CE1	DC/DC Converter Temperature Sensor 'A' Temperature Out of Range High
P1CE2	DC/DC Converter Temperature Sensor 'A' Temperature Implausible Low
P1CE3	DC/DC Converter Temperature Sensor 'A' Circuit Temperature Implausible High
P1CE4	DC/DC Converter Temperature Sensor 'B' Temperature Out of Range Low
P1CE5	DC/DC Converter Temperature Sensor 'B' Temperature Out of Range High
P1CE6	DC/DC Converter Temperature Sensor 'B' Temperature Implausible Low
P1CE7	DC/DC Converter Temperature Sensor 'B' Temperature Implausible High
P1CE8	DC/DC Converter Temperature Sensor 'C' Circuit Temperature Out of Range Low
P1CE9	DC/DC Converter Temperature Sensor 'C' Circuit Temperature Out of Range High
P1CEA	DC/DC Converter Temperature Sensor 'C' Circuit Temperature Implausible Low
P1CEB	DC/DC Converter Temperature Sensor 'C' Circuit Temperature Implausible High
P1CEC	DC/DC Converter Temperature Sensor 'D' Circuit Intermittent/Erratic
P1CED	DC/DC Converter Temperature Sensor 'D' Circuit Low
P1CEE	DC/DC Converter Temperature Sensor 'D' Circuit High
P1CEF	DC/DC Converter Temperature Sensor 'D' Circuit Temperature Out of Range Low
P1CF0	DC/DC Converter Temperature Sensor 'D' Circuit Temperature Out of Range High
P1CF1	DC/DC Converter Temperature Sensor 'D' Circuit Temperature Implausible Low
P1CF2	DC/DC Converter Temperature Sensor 'D' Circuit Temperature Implausible High
P1CF3	DC/DC Converter Temperature Sensor 'D' Circuit Range/Performance
P1CF4	DC/DC Converter High Voltage Side Transistor 'B' Temperature Range/Performance
P1CF5	DC/DC Converter DC Link Transistor 'A' Temperature Range/Performance
P1CF6	DC/DC Converter DC Link Transistor 'B' Temperature Range/Performance
P1CF7	DC/DC Converter DC Link Transistor 'C' Temperature Range/Performance
P1CF8	DC/DC Converter DC Link Transistor 'D' Temperature Range/Performance
P1CF9	DC/DC Converter Low Voltage Side Transistor 'A' Temperature Range/Performance
P1CFA	DC/DC Converter Low Voltage Side Transistor 'B' Temperature Range/Performance
P1CFB	Hybrid/EV Electronics Coolant Pump Blocked
P1CFC	Hybrid/EV Electronics Coolant Pump RPM Low
P1CFD	Hybrid/EV Electronics Coolant Pump Over Temperature

P1CFE	Drive Motor 'A' Control Module Performance
P1CFF	Battery Charger Electronics Hardware Error
P1D00	Hybrid/EV Battery System Current Implausible
P1D01	DC/DC Converter Diagnostic Line 1 Circuit Low
P1D02	DC/DC Converter Diagnostic Line 1 Circuit High
P1D03	DC/DC Converter Diagnostic Line 2 Circuit Low
P1D04	DC/DC Converter Diagnostic Line 2 Circuit High
P1D05	DC/DC Converter Efficiency Implausible
P1D06	DC/DC Converter High Voltage Voltage Sensor Circuit Low
P1D07	DC/DC Converter High Voltage Voltage Sensor Circuit High
P1D08	DC/DC Converter High Voltage Voltage Sensor Circuit Range/Performance - Voltage Too Low
P1D09	DC/DC Converter High Voltage Voltage Sensor Circuit Range/Performance - Voltage Too High
P1D0A	DC/DC Converter High Voltage Voltage Sensor Circuit Voltage Implausible
P1D0B	DC/DC Converter Low Voltage Voltage Sensor Circuit Low
P1D0C	DC/DC Converter Low Voltage Voltage Sensor Circuit High
P1D0D	DC/DC Converter Low Voltage Voltage Sensor Circuit Range/Performance - Voltage Too Low
P1D0E	DC/DC Converter Low Voltage Voltage Sensor Circuit Range/Performance - Voltage Too High
P1D0F	DC/DC Converter Low Voltage Voltage Sensor Circuit Voltage Implausible
P1D10	DC/DC Converter Internal DC Link Voltage Sensor Circuit Low
P1D11	DC/DC Converter Internal DC Link Voltage Sensor Circuit High
P1D12	DC/DC Converter Internal DC Link Voltage Sensor Circuit Range/Performance - Voltage Too Low
P1D13	DC/DC Converter Internal DC Link Voltage Sensor Circuit Range/Performance - Voltage Too High
P1D14	DC/DC Converter Internal DC Link Voltage Sensor Circuit Voltage Implausible
P1D15	DC/DC Converter Reset Error
P1D16	DC/DC Converter Performance Monitoring Failed
P1D17	Electric A/C Compressor Control Module Internal Temperature Sensor Temperature Out of Range High
P1D18	Electric A/C Compressor Control Module Internal Temperature Sensor Temperature Out of Range Low
P1D19	Electric A/C Compressor Control Module Internal Temperature Sensor 'A'/'B' Correlation
P1D1A	DC/DC Converter High Voltage Voltage Low
P1D1B	DC/DC Converter Internal DC Link Voltage Out of Range
P1D1C	Internal DC/DC Converter Low Voltage Error
P1D1D	DC/DC Converter Supply Voltage Circuit
P1D1E	Electric A/C Compressor Control Module Internal Temperature Sensor 'B' Circuit Low
P1D1F	Electric A/C Compressor Control Module Internal Temperature Sensor 'B' Circuit High
P1D20	Electric A/C Compressor Control Module Internal Temperature Sensor 'B' Temperature Out of Range High
P1D21	Electric A/C Compressor Control Module Internal Temperature Sensor 'B' Temperature Out of Range Low
P1D22	A/C Compressor Motor Driver Voltage Sensor Circuit Low
P1D23	A/C Compressor Motor Driver Voltage Sensor Circuit High
P1D24	A/C Compressor Motor Driver Voltage Sensor Voltage Out of Range High
P1D25	A/C Compressor Motor Driver Voltage Sensor Voltage Out of Range Low
P1D26	A/C Compressor Motor Voltage Sensor 'B' Circuit Low
P1D27	A/C Compressor Motor Voltage Sensor 'B' Circuit High
P1D28	A/C Compressor Motor Voltage Sensor 'B' Voltage Out of Range High
P1D29	A/C Compressor Motor Voltage Sensor 'B' Voltage Out of Range Low
P1D2A	A/C Compressor Motor Voltage/ System Voltage Correlation
P1D2B	A/C Compressor Motor Voltage Sensor 'A'/'B' Correlation
P1D2C	A/C Compressor Motor Phase U Current Sensor Circuit Low
P1D2D	A/C Compressor Motor Phase U Current Sensor Circuit High
P1D2E	A/C Compressor Motor Current Sensor Phase U Deviation to Phase V/W Too High
P1D2F	A/C Compressor Motor Phase U Current Sensor Circuit Range/Performance
P1D30	A/C Compressor Motor Phase V Current Sensor Circuit Low
P1D31	A/C Compressor Motor Phase V Current Sensor Circuit High
P1D32	A/C Compressor Motor Current Sensor Phase W Deviation to Phase U/V Too High

P1D33	A/C Refrigerant Pressure Sensor 'A' Pressure Out of Range Low
P1D34	A/C Compressor Motor Current Sensor Phase V Deviation to Phase U/W Too High
P1D35	A/C Compressor Motor Phase V Current Sensor Circuit Range/Performance
P1D36	A/C Compressor Motor Phase W Current Sensor Circuit Low
P1D37	A/C Compressor Motor Phase W Current Sensor Circuit High
P1D38	A/C Refrigerant Pressure Sensor 'A' Pressure Out of Range High
P1D39	A/C Refrigerant Pressure/Ambient Temperature Correlation
P1D3A	A/C Evaporator Temperature Sensor Circuit Range/Performance
P1D3B	A/C Evaporator Temperature Sensor Temperature Too Low
P1D3C	A/C Evaporator Temperature Sensor Temperature Too High
P1D3D	A/C Compressor Motor Input Current Sensor Circuit Low
P1D3E	A/C Compressor Motor Input Current Sensor Circuit High
P1D3F	A/C Compressor Motor Input Current Sensor Current Out of Range Low
P1D40	A/C Compressor Motor Input Current Sensor Current Out of Range High
P1D41	A/C Compressor Motor Input Current Sensor Deviation to Phase U/V Too High
P1D42	Electric A/C Compressor Control Module Temperature/Engine Coolant Temperature Correlation
P1D43	A/C Coolant Heater Voltage Sensor Circuit Low
P1D44	A/C Coolant Heater Voltage Sensor Circuit High
P1D45	A/C Coolant Heater Voltage Sensor Voltage Out of Range Low
P1D46	A/C Coolant Heater Voltage Sensor Voltage Out of Range High
P1D47	A/C Coolant Heater Voltage/System Voltage Correlation
P1D48	A/C Coolant Heater Phase U Current Sensor Circuit Low
P1D49	A/C Coolant Heater Phase U Current Sensor Circuit High
P1D4A	A/C Coolant Heater Phase U Current Sensor Range/Performance
P1D4B	A/C Coolant Heater Phase V Current Sensor Circuit Low
P1D4C	A/C Coolant Heater Phase V Current Sensor Circuit High
P1D4D	A/C Coolant Heater Phase V Current Sensor Range/Performance
P1D4E	A/C Coolant Heater Phase W Current Sensor Circuit Low
P1D4F	A/C Coolant Heater Phase W Current Sensor Circuit High
P1D50	A/C Coolant Heater Phase W Current Sensor Range/Performance
P1D51	A/C Coolant Heater Phase U Voltage Sensor 'A' Circuit Low
P1D52	A/C Coolant Heater Phase U Voltage Sensor 'A' Circuit High
P1D53	A/C Coolant Heater Phase U Voltage Sensor 'A' Range/Performance
P1D54	A/C Coolant Heater Phase V Voltage Sensor 'A' Circuit Low
P1D55	A/C Coolant Heater Phase V Voltage Sensor 'A' Circuit High
P1D56	A/C Coolant Heater Phase V Voltage Sensor 'A' Range/Performance
P1D57	A/C Coolant Heater Phase W Voltage Sensor 'A' Circuit Low
P1D58	A/C Coolant Heater Phase W Voltage Sensor 'A' Circuit High
P1D59	A/C Coolant Heater Phase W Voltage Sensor 'A' Range/Performance
P1D5A	A/C Coolant Heater Phase U Voltage Sensor 'B' Circuit Low
P1D5B	A/C Coolant Heater Phase U Voltage Sensor 'B' Circuit High
P1D5C	A/C Coolant Heater Phase U Voltage Sensor 'B' Range/Performance
P1D5D	A/C Coolant Heater Phase V Voltage Sensor 'B' Circuit Low
P1D5E	A/C Coolant Heater Phase V Voltage Sensor 'B' Circuit High
P1D5F	A/C Coolant Heater Phase V Voltage Sensor 'B' Range/Performance
P1D60	A/C Coolant Heater Phase W Voltage Sensor 'B' Circuit Low
P1D61	A/C Coolant Heater Phase W Voltage Sensor 'B' Circuit High
P1D62	A/C Coolant Heater Phase W Voltage Sensor 'B' Range/Performance
P1D63	A/C Coolant Heater Coolant Temperature Sensor Circuit Low
P1D64	A/C Coolant Heater Coolant Temperature Sensor Circuit High
P1D65	A/C Coolant Heater Coolant Temperature Sensor Temperature Out of Range High
P1D66	A/C Coolant Heater Coolant Temperature Sensor Range/Performance
P1D67	A/C Coolant Heater Control Module Temperature Sensor Circuit Low

P1D68	A/C Coolant Heater Control Module Temperature Sensor Circuit High
P1D69	A/C Coolant Heater Control Module Temperature Sensor Temperature Out of Range High
P1D6A	A/C Coolant Heater Control Module Temperature Sensor Range/Performance
P1D6B	A/C Coolant Heater
P1D6C	Heat Pump Temperature Sensor 'A' Circuit Low
P1D6D	Heat Pump Temperature Sensor 'A' Circuit High
P1D6E	Heat Pump Temperature Sensor 'A' Temperature Out of Range Low
P1D6F	Heat Pump Temperature Sensor 'A' Temperature Out of Range High
P1D70	Heat Pump Temperature Sensor 'A' Range/Performance
P1D71	Heat Pump Temperature Sensor 'B' Circuit Low
P1D72	Heat Pump Temperature Sensor 'B' Circuit High
P1D73	Heat Pump Temperature Sensor 'B' Temperature Out of Range Low
P1D74	Heat Pump Temperature Sensor 'B' Temperature Out of Range High
P1D75	Heat Pump Temperature Sensor 'B' Range/Performance
P1D76	Heat Pump Temperature Sensor 'C' Circuit Low
P1D77	Heat Pump Temperature Sensor 'C' Circuit High
P1D78	Heat Pump Temperature Sensor 'C' Temperature Out of Range Low
P1D79	Heat Pump Temperature Sensor 'C' Temperature Out of Range High
P1D7A	Heat Pump Temperature Sensor 'C' Range/Performance
P1D7B	Heat Pump Pressure/Temperature Sensor 'A' Circuit 'A' Low
P1D7C	Heat Pump Pressure/Temperature Sensor 'A' Circuit 'A' High
P1D7D	Heat Pump Pressure/Temperature Sensor 'A' Temperature Out of Range Low
P1D7E	Heat Pump Pressure/Temperature Sensor 'A' Temperature Out of Range High
P1D7F	Heat Pump Pressure/Temperature Sensor 'A' Temperature Implausible
P1D80	Heat Pump Pressure/Temperature Sensor 'A' Circuit 'B' Low
P1D81	Heat Pump Pressure/Temperature Sensor 'A' Circuit 'B' High
P1D82	Heat Pump Pressure/Temperature Sensor 'A' Pressure Out of Range Low
P1D83	Heat Pump Pressure/Temperature Sensor 'A' Pressure Out of Range High
P1D84	Heat Pump Pressure/Temperature Sensor 'A' Pressure Implausible
P1D85	Heat Pump Pressure/Temperature Sensor 'B' Circuit 'A' Low
P1D86	Heat Pump Pressure/Temperature Sensor 'B' Circuit 'A' High
P1D87	Heat Pump Pressure/Temperature Sensor 'B' Temperature Out of Range Low
P1D88	Heat Pump Pressure/Temperature Sensor 'B' Temperature Out of Range High
P1D89	Heat Pump Pressure/Temperature Sensor 'B' Temperature Implausible
P1D8A	Heat Pump Pressure/Temperature Sensor 'B' Circuit 'B' Low
P1D8B	Heat Pump Pressure/Temperature Sensor 'B' Circuit 'B' High
P1D8C	Heat Pump Pressure/Temperature Sensor 'B' Pressure Out of Range Low
P1D8D	Heat Pump Pressure/Temperature Sensor 'B' Pressure Out of Range High
P1D8E	Heat Pump Pressure/Temperature Sensor 'B' Pressure Implausible
P1D8F	Heat Pump Expansion Valve 'A' Control Circuit Low
P1D90	Heat Pump Expansion Valve 'A' Control Circuit High
P1D91	Heat Pump Expansion Valve 'A' Control Circuit/Open
P1D92	Heat Pump Expansion Valve 'A'
P1D93	Heat Pump Expansion Valve 'B' Control Circuit Low
P1D94	Heat Pump Expansion Valve 'B' Control Circuit High
P1D95	Heat Pump Expansion Valve 'B' Control Circuit/Open
P1D96	Heat Pump Expansion Valve 'B'
P1D97	Heat Pump Expansion Valve 'C' Control Circuit Low
P1D98	Heat Pump Expansion Valve 'C' Control Circuit High
P1D99	Heat Pump Expansion Valve 'C' Control Circuit/Open
P1D9A	Heat Pump Expansion Valve 'C'
P1D9B	Heat Pump Shut-off Valve 'A' Control Circuit Low
P1D9C	Heat Pump Shut-off Valve 'A' Control Circuit High

P1D9D	Heat Pump Shut-off Valve 'A' Control Circuit/Open
P1D9E	Heat Pump Shut-off Valve 'A'
P1D9F	Heat Pump Shut-off Valve 'B' Control Circuit Low
P1DA0	Heat Pump Shut-off Valve 'B' Control Circuit High
P1DA1	Heat Pump Shut-off Valve 'B' Control Circuit/Open
P1DA2	Heat Pump Shut-off Valve 'B'
P1DA3	Heat Pump Shut-off Valve 'C' Control Circuit Low
P1DA4	Heat Pump Shut-off Valve 'C' Control Circuit High
P1DA5	Heat Pump Shut-off Valve 'C' Control Circuit/Open
P1DA6	Heat Pump Shut-off Valve 'C'
P1DA7	Heat Pump Shut-off Valve 'D' Control Circuit Low
P1DA8	Heat Pump Shut-off Valve 'D' Control Circuit High
P1DA9	Heat Pump Shut-off Valve 'D' Control Circuit/Open
P1DAA	Heat Pump Shut-off Valve 'D'
P1DAB	A/C Compressor Motor Input Current Sensor Phase U/V Correlation
P1DAC	A/C Coolant Heater Control Module Temperature/Coolant Temperature Correlation
P1DAD	A/C Coolant Heater Coolant Temperature Sensor Temperature Out of Range Low
P1DAE	DC/DC Converter Limp Home Request Shutdown
P1DAF	DC/DC Converter High Voltage Side/Low Voltage Side Circuit Shorted
P1DB0	DC/DC Converter Limp Home Request Overcurrent
P1DB1	DC/DC Converter Limp Home Request Over Temperature
P1DB2	DC/DC Converter Limp Home Request Hardware Error
P1DB3	Drive Motor 'A' Inverter
P1DB4	Drive Motor 'A' Inverter Transistor Voltage Out of Range Low
P1DB5	Drive Motor 'A' Inverter Transistor Voltage Out of Range High
P1DB6	Drive Motor 'A' Inverter Voltage Sensor 'A' DC Link Voltage Too Low
P1DB7	Drive Motor 'A' Inverter Voltage Sensor 'A' DC Link Voltage Too High
P1DB8	Drive Motor 'A' Control Module Limp Home Request No Traction
P1DB9	Drive Motor 'A' Control Module 32V Power Supply Circuit Low
P1DBA	Drive Motor 'A' Control Module 32V Power Supply Circuit High
P1DBB	Drive Motor 'A' Control Module 32V Power Supply Circuit Voltage Out of Range Low
P1DBC	Drive Motor 'A' Control Module 32V Power Supply Circuit Voltage Out of Range High
P1DBD	Drive Motor 'A' Control Module 12V Power Supply Circuit Low
P1DBE	Drive Motor 'A' Control Module 12V Power Supply Circuit High
P1DBF	Drive Motor 'A' Control Module 12V Power Supply Circuit Voltage Out of Range Low
P1DC0	Drive Motor 'A' Control Module 12V Power Supply Circuit Voltage Out of Range High
P1DC1	Battery Charger Control Module Voltage Sensor 'A' Circuit Range/Performance
P1DC2	Battery Charger Control Module Voltage Sensor 'A' Circuit Low
P1DC3	Battery Charger Control Module Voltage Sensor 'A' Circuit High
P1DC4	Drive Motor 'A' Limp Home Request Torque Reduction
P1DC5	Drive Motor 'A' Operation Mode Implausible
P1DC6	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'A' Hardware Error
P1DC7	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'A' Circuit Low
P1DC8	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'A' Shorted
P1DC9	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'A' Voltage Out of Range Low
P1DCA	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'A' Voltage Out of Range High
P1DCB	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'B' Hardware Error
P1DCC	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'B' Circuit Low
P1DCD	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'B' Shorted
P1DCE	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'B' Voltage Out of Range Low
P1DCF	Drive Motor 'A' Control Module Transmission Range Select Motor Driver Circuit 'B' Voltage Out of Range High
P1DD0	Drive Motor 'A' Control Module 5V Power Supply Circuit Out of Range Low
P1DD1	Drive Motor 'A' Control Module 5V Power Supply Circuit Out of Range High

P1DD2	Drive Motor 'A' Inverter DC Link Current Too High
P1DD3	Start System Toothed Belt Starter Time Out
P1DD4	Start System Toothed Belt Starter Time Out in Second Start
P1DD8	Control Module Duty Cycle Incorrect
P1DD9	Torque and Cooling Control Module Status Torque Build Up Not Permitted
P1DDA	Battery Charger Electronics Charging Performance
P1DDB	Battery Charger Electronics Power Implausible High
P1DDC	Battery Charger Hybrid/EV System Precharge Voltage High
P1DDD	Internal Control Module Reference Voltage Error
P1DDE	Fan 2 Error Stage 1
P1DDF	Fan 2 Error Stage 2
P1DE0	Fan 1 Relay Control Circuit/Open
P1DE1	Fan 1 Relay Control Circuit Low
P1DE2	Fan 1 Relay Control Circuit High
P1DE3	Fan 1 Current Sensor Circuit High
P1DE4	Fan 1 Current Sensor Circuit High
P1DE5	Fan 2 Error Stage 3
P1DE6	Fan 2 Error Stage 4
P1DE7	Fan 2 Circuit Electrical
P1DE8	Fan 2 Error Stage 5
P1DE9	Fan 2 Error Stage 6
P1DEA	Fan 1 Temperature Sensor Circuit Low
P1DEB	Fan 1 Temperature Sensor Circuit High
P1DEC	Engine Coolant Temperature Sensor 1 Circuit Temperature Out of Range Low
P1DED	Engine Coolant Temperature Sensor 1 Circuit Temperature Out of Range High
P1DEE	Engine Coolant Temperature Sensor 2 Circuit Temperature Out of Range Low
P1DEF	Engine Coolant Temperature Sensor 2 Circuit Temperature Out of Range High
P1DF0	Engine Coolant Pump Dry Run
P1DF1	Range Extender Coolant Pump Blocked
P1DF2	Internal Control Module Reset Error
P1DF3	Internal Control Module Pedal Position Performance Test Error
P1DF4	Engine Coolant Pump
P1DF5	Torque and Cooling Control Module Voltage Regulator 'A' Out of Range
P1DF6	Torque and Cooling Control Module Voltage Regulator 'B' Out of Range
P1DF7	Body Control Module 'A' Starter Relay Circuit High
P1DF8	Pedal Position Sensor 'A' Circuit High
P1DF9	Pedal Position Sensor 'A' Voltage Out of Range Low
P1DFA	Body Control Module 'A' Starter Relay Defective
P1DFB	Body Control Module 'A' Processor
P1DFC	Pedal Position Sensor 'B' Circuit High
P1DFD	Pedal Position Sensor 'B' Voltage Out of Range Low
P1DFE	Pedal Position Sensor 'B' Voltage Out of Range High
P1DFF	Fan 1 Power Supply
P1E00	Drive Motor 'B' Inverter Hardware Error
P1E01	Drive Motor 'B' Torque Reduction
P1E02	Drive Motor 'B' Limp Home Request Torque Reduction
P1E03	Drive Motor 'B' Limp Home Request Free Wheel Detected
P1E04	Drive Motor 'B' Inverter Limp Home Request Temperature Error
P1E05	Drive Motor 'B' Over Temperature
P1E06	Drive Motor 'B' Position Sensor Current Error
P1E07	Drive Motor 'B' Inverter Phase U-V-W Circuit Current Signal Invalid
P1E08	High Voltage Starter Generator Temperature Sensor Circuit Temperature Out of Range Low
P1E09	High Voltage Starter Generator Temperature Sensor Circuit Temperature Out of Range High

P1E0A	Drive Motor 'B' Control Module Clamp 15
P1E0B	High Voltage Starter Generator Phase U Current Sensor Circuit High
P1E0C	Drive Motor 'B' Inverter Phase U Circuit/Open
P1E0D	Drive Motor 'B' Inverter Phase V Circuit/Open
P1E0E	Drive Motor 'B' Inverter Phase W Circuit/Open
P1E0F	Drive Motor 'B' Inverter Phase U-V-W Circuit/Open
P1E10	High Voltage Starter Generator Phase V Current Sensor Circuit Range/Performance
P1E11	High Voltage Starter Generator Phase V Current Sensor Circuit Phase Correlation
P1E12	High Voltage Starter Generator Phase W Current Sensor Circuit Low
P1E13	High Voltage Starter Generator Phase W Current Sensor Circuit High
P1E14	High Voltage Starter Generator Phase W Current Sensor Circuit Range/Performance
P1E15	High Voltage Starter Generator Phase W Current Sensor Circuit Phase Correlation
P1E16	Drive Motor 'B' Phase U-V-W Circuit
P1E17	High Voltage Starter Generator Phase U-V-W Circuit Range/Performance
P1E18	NOT DEFINED
P1E19	Drive Motor 'B' Inverter Transistor 'A'
P1E1A	Drive Motor 'B' Inverter Transistor 'B'
P1E1B	Drive Motor 'B' Inverter Temperature Sensor 'A' Circuit Low
P1E1C	Drive Motor 'B' Inverter Temperature Sensor 'A' Circuit High
P1E1D	Drive Motor 'B' Inverter Temperature Sensor 'A' Circuit Range/Performance
P1E1E	Drive Motor 'B' Inverter Temperature Sensor 'A' Circuit Temperature Implausible
P1E1F	Drive Motor 'B' Inverter Temperature Sensor 'B' Circuit Low
P1E20	Drive Motor 'B' Inverter Temperature Sensor 'B' Circuit High
P1E21	Drive Motor 'B' Inverter Temperature Sensor 'B' Circuit Range/Performance
P1E22	Drive Motor 'B' Inverter Temperature Sensor 'B' Circuit Temperature Implausible
P1E23	Drive Motor 'B' Inverter Temperature Sensor 'C' Circuit Low
P1E24	Drive Motor 'B' Inverter Temperature Sensor 'C' Circuit High
P1E25	Drive Motor 'B' Inverter Temperature Sensor 'C' Circuit Range/Performance
P1E26	Drive Motor 'B' Inverter Temperature Sensor 'C' Circuit Temperature Implausible
P1E27	Drive Motor 'B' Free Wheel Current Too High
P1E28	Drive Motor 'B' Overspeed
P1E29	Drive Motor 'B' Blocked
P1E2A	NOT DEFINED
P1E2B	Drive Motor 'B' Control Module Internal Temperature Too High
P1E2C	High Voltage Starter Generator Position Sensor Circuit Low
P1E2D	High Voltage Starter Generator Position Sensor Circuit High
P1E2E	High Voltage Starter Generator Position Sensor Circuit Range/Performance
P1E2F	High Voltage Starter Generator Position Sensor Circuit Signal Implausible
P1E30	High Voltage Starter Generator Position Sensor Phase Angle Implausible
P1E31	High Voltage Starter Generator Position Sensor Frequency Implausible
P1E32	Drive Motor 'B' Position Sensor Circuit
P1E33	Drive Motor 'B' Control Module Safety Function Forced Shutdown Request From ECM/PCM 'A'
P1E34	Drive Motor 'B' Control Module Safety Function Forced Shutdown Request From Drive Motor 'A' Control Module
P1E35	Drive Motor 'B' Control Module Safety Function Forced Shutdown Error
P1E36	Drive Motor 'B' Control Module Crash Circuit
P1E37	Drive Motor 'B' Control Module System Voltage Switch Voltage Sensor Circuit Low
P1E38	Drive Motor 'B' Internal DC Link Discharge Time Too Long
P1E39	Drive Motor 'B' Control Module System Voltage Switch Voltage Sensor Circuit Range/Performance
P1E3A	Drive Motor 'B' Control Module Supply Voltage Circuit 'A' Low
P1E3B	Drive Motor 'B' Control Module Supply Voltage Circuit 'A' High
P1E3C	Drive Motor 'B' Control Module Supply Voltage Circuit 'A'
P1E3D	Drive Motor 'B' Control Module Supply Voltage Circuit 'B' Low
P1E3E	Drive Motor 'B' Control Module Supply Voltage Circuit 'B' High

P1E3F	Drive Motor 'B' Crash Detected
P1E40	Drive Motor 'B' Control Module EEPROM Error
P1E41	Drive Motor 'B' Control Module Watchdog Error
P1E42	Drive Motor 'B' Control Module Hardware Error
P1E43	Drive Motor 'B' Control Module Timer/Clock Performance
P1E44	Drive Motor 'B' Control Module Calibration Error
P1E45	Drive Motor 'B' Control Module Signal Error
P1E46	Drive Motor 'B' Control Module Position Sensor Configuration Error
P1E47	Drive Motor 'B' Control Module Position Sensor Initialization Error
P1E48	Drive Motor 'B' Control Module Position Sensor Storage Error
P1E49	Drive Motor 'B' Internal DC Link Voltage Sensor Circuit High
P1E4A	Drive Motor 'B' Internal DC Link Voltage Sensor/Hybrid/EV Battery Pack Voltage and Current Sensor Correlation
P1E4B	Drive Motor 'B' Internal DC Link Overvoltage Protection
P1E4C	Drive Motor 'B' Inverter Transistor Power Supply Circuit
P1E4D	Drive Motor 'B' Inverter Transistor Power Supply Circuit Low
P1E4E	Drive Motor 'B' Inverter Transistor Power Supply Circuit High
P1E4F	Drive Motor 'B' Mechanical
P1E50	Drive Motor 'B' Internal DC Link Current Sensor Circuit Shorted
P1E51	Drive Motor 'B' Limp Home Request Engine Off
P1E52	Drive Motor 'B' Limp Home Request Engine On
P1E53	Drive Motor 'B' Limp Home Request Forced Shutdown
P1E54	Drive Motor 'B' Limp Home Request Temperature Too High Forced Shutdown
P1E55	Drive Motor 'B' Control Module System Voltage Circuit High
P1E56	Drive Motor 'B' Inverter Transistor Power Supply Timer/Clock Performance
P1E57	Drive Motor 'B' Control Module Safety Function Operation Mode
P1E58	Drive Motor 'B' Control Module Safety Function Error Reaction
P1E59	Drive Motor 'B' Control Module Operation Mode
P1E60	Drive Motor 'B' Control Module Safety Function Drive Motor Measured Torque / Calculated Torque Correlation
P1E61	Drive Motor 'B' Control Module Safety Function Drive Motor Actual Torque Error
P1E62	Drive Motor 'B' Control Module Safety Function Communication Error
P1E90	Drive Motor 'A' Position Sensor Angle
P1E91	Drive Motor 'A' Position Sensor RPM
P1E92	Drive Motor 'A' Position Sensor Safety Function Signal Error
P1E93	Drive Motor 'A' Limp Home Request Temperature Too High Forced Shutdown
P1E94	Drive Motor 'A' Limp Home Request Damping Controller Deactivation
P1E95	Drive Motor 'A' Limp Home Request Hybrid/EV Battery Pre-Charge Error
P1E96	Drive Motor 'A' Inverter Limp Home Request Hardware Error
P1E97	Drive Motor 'A' Position Sensor Limp Home Request Current Error
P1E98	Drive Motor 'A' Inverter Limp Home Request Temperature Error
P1E9A	Drive Motor 'A' Inverter Transistor Temperature Sensors
P1EA0	EWS (Electronic Immobilizer) Torque Request During Active Lock
P1EDA	Battery Energy Control Module 'B' Voltage Sensor 'A' Circuit Low
P1EDB	Battery Energy Control Module 'B' Voltage Sensor 'A' Circuit High
P1EDC	Battery Energy Control Module 'B' Voltage Sensor 'A' Circuit Range/Performance
P1EDD	Battery Energy Control Module 'B' Voltage Sensor 'A' Circuit Voltage Out of Range Low
P1EDE	Battery Energy Control Module 'B' Voltage Sensor 'A' Circuit Voltage Out of Range High
P1EDF	Battery Energy Control Module 'B' Voltage Sensor 'B' Circuit Low
P1EE0	Battery Energy Control Module 'B' Voltage Sensor 'B' Circuit High
P1EE1	Battery Energy Control Module 'B' Voltage Sensor 'B' Circuit Range/Performance
P1EE2	Battery Energy Control Module 'B' Voltage Sensor 'B' Circuit Voltage Out of Range Low
P1EE3	Battery Energy Control Module 'B' Voltage Sensor 'B' Circuit Voltage Out of Range High
P1EE4	Battery Energy Control Module 'B' Temperature Sensor 'A' Circuit High
P1EE5	Battery Energy Control Module 'B' Temperature Sensor 'A' Circuit Range/Performance

P1EE6	Battery Energy Control Module 'B' Temperature Sensor 'A' Circuit Temperature Out of Range High
P1EE7	Battery Energy Control Module 'B' Temperature Sensor 'B' Circuit High
P1EE8	Battery Energy Control Module 'B' Temperature Sensor 'B' Circuit Range/Performance
P1EE9	Battery Energy Control Module 'B' Temperature Sensor 'B' Circuit Temperature Out of Range High
P1EEA	Hybrid/EV Battery Module 'I' Over Temperature
P1EEB	Hybrid/EV Battery Module 'I' Over Temperature, Power Reduction
P1EEC	Hybrid/EV Battery Module 'J' Over Temperature
P1EED	Hybrid/EV Battery Module 'J' Over Temperature, Power Reduction
P1EEE	Hybrid/EV Battery Module 'K' Over Temperature
P1EEF	Hybrid/EV Battery Module 'K' Over Temperature, Power Reduction
P1EF0	Hybrid/EV Battery Module 'L' Over Temperature
P1EF1	Hybrid/EV Battery Module 'L' Over Temperature, Power Reduction
P1EF2	Hybrid/EV Battery Temperature Sensor 'A' Circuit/Open
P1EF3	Hybrid/EV Battery Temperature Sensor 'B' Circuit/Open
P1EF4	Hybrid/EV Battery Temperature Sensor 'C' Circuit/Open
P1EF5	Hybrid/EV Battery Temperature Sensor 'D' Circuit/Open
P1EF6	Hybrid/EV Battery Temperature Sensor 'E' Circuit/Open
P1EF7	Hybrid/EV Battery Temperature Sensor 'F' Circuit/Open
P1EF8	Hybrid/EV Battery Temperature Sensor 'G' Circuit/Open
P1EF9	Hybrid/EV Battery Temperature Sensor 'H' Circuit/Open
P1EFA	Hybrid/EV Battery Temperature Sensor 'I' Circuit/Open
P1EFB	Hybrid/EV Battery Temperature Sensor 'J' Circuit/Open
P1EFC	Hybrid/EV Battery Temperature Sensor 'K' Circuit/Open
P1EFD	Hybrid/EV Battery Temperature Sensor 'L' Circuit/Open
P1EFE	Battery Energy Control Module 'A'/Instrument Panel Control Module Timer/Clock Correlation
P1EFF	Battery Energy Control Module 'B' Current Sensor Circuit Range/Performance
P2000	NOx Adsorber Efficiency Below Threshold (Bank 1)
P2001	NOx Adsorber Efficiency Below Threshold (Bank 2)
P2002	Particulate Filter Efficiency Below Threshold (Bank 1)
P2003	Particulate Filter Efficiency Below Threshold (Bank 2)
P2004	Intake Manifold Runner Control Stuck Open (Bank 1)
P2005	Intake Manifold Runner Control Stuck Open (Bank 2)
P2006	Intake Manifold Runner Control Stuck Closed (Bank 1)
P2007	Intake Manifold Runner Control Stuck Closed (Bank 2)
P2008	Intake Manifold Runner Control Circuit/Open (Bank 1)
P2009	Intake Manifold Runner Control Circuit Low (Bank 1)
P200A	Intake Manifold Runner Performance (Bank 1)
P200B	Intake Manifold Runner Performance (Bank 2)
P200C	Particulate Filter Over Temperature (Bank 1)
P200D	Particulate Filter Over Temperature (Bank 2)
P200E	Catalyst System Over Temperature (Bank 1)
P200F	Catalyst System Over Temperature (Bank 2)
P2010	Intake Manifold Runner Control Circuit High (Bank 1)
P2011	Intake Manifold Runner Control Circuit/Open (Bank 2)
P2012	Intake Manifold Runner Control Circuit Low (Bank 2)
P2013	Intake Manifold Runner Control Circuit High (Bank 2)
P2014	Intake Manifold Runner Position Sensor/Switch Circuit (Bank 1)
P2015	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance (Bank 1)
P2016	Intake Manifold Runner Position Sensor/Switch Circuit Low (Bank 1)
P2017	Intake Manifold Runner Position Sensor/Switch Circuit High (Bank 1)
P2018	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent (Bank 1)
P2019	Intake Manifold Runner Position Sensor/Switch Circuit (Bank 2)
P201A	Reductant Injection Valve Circuit Range/Performance (Bank 2 Unit 1)

P201B	Intake Manifold Runner Control Actuator Supply Voltage Low (Bank 1)
P201C	Intake Manifold Runner Control Actuator Supply Voltage Low (Bank 2)
P201D	Intake Manifold Runner Control Actuator Internal Performance (Bank 1)
P201E	Intake Manifold Runner Control Actuator Internal Performance (Bank 2)
P201F	Reductant Pump 'A' Stuck On
P2020	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance (Bank 2)
P2021	Intake Manifold Runner Position Sensor/Switch Circuit Low (Bank 2)
P2022	Intake Manifold Runner Position Sensor/Switch Circuit High (Bank 2)
P2023	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent (Bank 2)
P2024	EVAP Fuel Vapor Temperature Sensor Circuit
P2025	EVAP Fuel Vapor Temperature Sensor Performance
P2026	EVAP Fuel Vapor Temperature Sensor Circuit Low Voltage
P2027	EVAP Fuel Vapor Temperature Sensor Circuit High Voltage
P2028	EVAP Fuel Vapor Temperature Sensor Circuit Intermittent
P2029	Fuel Fired Heater Disabled
P202A	Reductant Tank Heater Control Circuit/Open
P202B	Reductant Tank Heater Control Circuit Low
P202C	Reductant Tank Heater Control Circuit High
P202D	Reductant Leakage
P202E	Reductant Injection Valve Circuit Range/Performance (Bank 1 Unit 1)
P202F	Reductant/Regeneration Supply Control Circuit Range/Performance
P2030	Fuel Fired Heater Performance
P2031	Exhaust Gas Temperature Sensor Circuit (Bank 1 Sensor 2)
P2032	Exhaust Gas Temperature Sensor Circuit Low (Bank 1 Sensor 2)
P2033	Exhaust Gas Temperature Sensor Circuit High (Bank 1 Sensor 2)
P2034	Exhaust Gas Temperature Sensor Circuit (Bank 2 Sensor 2)
P2035	Exhaust Gas Temperature Sensor Circuit Low (Bank 2 Sensor 2)
P2036	Exhaust Gas Temperature Sensor Circuit High (Bank 2 Sensor 2)
P2037	Reductant Injection Air Pressure Sensor 'A' Circuit
P2038	Reductant Injection Air Pressure Sensor 'A' Circuit Range/Performance
P2039	Reductant Injection Air Pressure Sensor 'A' Circuit Low
P203A	Reductant Level Sensor 'A' Circuit
P203B	Reductant Level Sensor 'A' Circuit Range/Performance
P203C	Reductant Level Sensor 'A' Circuit Low
P203D	Reductant Level Sensor 'A' Circuit High
P203E	Reductant Level Sensor 'A' Circuit Intermittent/Erratic
P203F	Reductant Level Too Low
P2040	Reductant Injection Air Pressure Sensor 'A' Circuit High
P2041	Reductant Injection Air Pressure Sensor 'A' Circuit Intermittent
P2042	Reductant Temperature Sensor 'A' Circuit
P2043	Reductant Temperature Sensor 'A' Circuit Range/Performance
P2044	Reductant Temperature Sensor 'A' Circuit Low
P2045	Reductant Temperature Sensor 'A' Circuit High
P2046	Reductant Temperature Sensor 'A' Circuit Intermittent
P2047	Reductant Injection Valve Circuit/Open (Bank 1 Unit 1)
P2048	Reductant Injection Valve Circuit Low (Bank 1 Unit 1)
P2049	Reductant Injection Valve Circuit High (Bank 1 Unit 1)
P204A	Reductant Pressure Sensor Circuit
P204B	Reductant Pressure Sensor Circuit Range/Performance
P204C	Reductant Pressure Sensor Circuit Low
P204D	Reductant Pressure Sensor Circuit High
P204E	Reductant Pressure Sensor Circuit Intermittent/Erratic
P204F	Reductant System Performance (Bank 1)

P2050	Reductant Injection Valve Circuit/Open (Bank 2 Unit 1)
P2051	Reductant Injection Valve Circuit Low (Bank 2 Unit 1)
P2052	Reductant Injection Valve Circuit High (Bank 2 Unit 1)
P2053	Reductant Injection Valve Circuit/Open (Bank 1 Unit 2)
P2054	Reductant Injection Valve Circuit Low (Bank 1 Unit 2)
P2055	Reductant Injection Valve Circuit High (Bank 1 Unit 2)
P2056	Reductant Injection Valve Circuit/Open (Bank 2 Unit 2)
P2057	Reductant Injection Valve Circuit Low (Bank 2 Unit 2)
P2058	Reductant Injection Valve Circuit High (Bank 2 Unit 2)
P2059	Reductant Injection Air Pump Control Circuit/Open
P205A	Reductant Tank Temperature Sensor 'A' Circuit
P205B	Reductant Tank Temperature Sensor 'A' Circuit Range/Performance
P205C	Reductant Tank Temperature Sensor 'A' Circuit low
P205D	Reductant Tank Temperature Sensor 'A' Circuit High
P205E	Reductant Tank Temperature Sensor 'A' Circuit Intermittent/Erratic
P205F	Reductant System Performance (Bank 2)
P2060	Reductant Injection Air Pump Control Circuit Low
P2061	Reductant Injection Air Pump Control Circuit High
P2062	Reductant/Regeneration Supply Control Circuit/Open
P2063	Reductant/Regeneration Supply Control Circuit Low
P2064	Reductant/Regeneration Supply Control Circuit High
P2065	Fuel Level Sensor 'B' Circuit
P2066	Fuel Level Sensor 'B' Performance
P2067	Fuel Level Sensor 'B' Circuit Low
P2068	Fuel Level Sensor 'B' Circuit High
P2069	Fuel Level Sensor 'B' Circuit Intermittent
P206A	Reductant Quality Sensor Circuit
P206B	Reductant Quality Sensor Circuit Range/Performance
P206C	Reductant Quality Sensor Circuit Low
P206D	Reductant Quality Sensor Circuit High
P206E	Intake Manifold Tuning (IMT) Valve Stuck Open (Bank 2)
P206F	Intake Manifold Tuning (IMT) Valve Stuck Closed (Bank 2)
P2070	Intake Manifold Tuning (IMT) Valve Stuck Open (Bank 1)
P2071	Intake Manifold Tuning (IMT) Valve Stuck Closed (Bank 1)
P2072	Throttle Actuator Control System - Ice Blockage Bank 1
P2073	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at Idle
P2074	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at Higher Load
P2075	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit (Bank 1)
P2076	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Range/Performance (Bank 1)
P2077	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low (Bank 1)
P2078	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High (Bank 1)
P2079	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent (Bank 1)
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	Reductant Quality Performance
P2080	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 1 Sensor 1)
P2081	Exhaust Gas Temperature Sensor Circuit Intermittent (Bank 1 Sensor 1)
P2082	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 2 Sensor 1)
P2083	Exhaust Gas Temperature Sensor Circuit Intermittent (Bank 2 Sensor 1)
P2084	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 1 Sensor 2)

P2085	Exhaust Gas Temperature Sensor Circuit Intermittent (Bank 1 Sensor 2)
P2086	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 2 Sensor 2)
P2087	Exhaust Gas Temperature Sensor Circuit Intermittent (Bank 2 Sensor 2)
P2088	'A' Camshaft Position Actuator Control Circuit Low (Bank 1)
P2089	'A' Camshaft Position Actuator Control Circuit High (Bank 1)
P208A	Reductant Pump 'A' Control Circuit/Open
P208B	Reductant Pump 'A' Performance/Stuck Off
P208C	Reductant Pump 'A' Control Circuit Low
P208D	Reductant Pump 'A' Control Circuit High
P208E	Reductant Injection Valve Stuck Closed (Bank 1 Unit 1)
P208F	Reductant Injection Valve Stuck Closed (Bank 2 Unit 1)
P2090	'B' Camshaft Position Actuator Control Circuit Low (Bank 1)
P2091	'B' Camshaft Position Actuator Control Circuit High (Bank 1)
P2092	'A' Camshaft Position Actuator Control Circuit Low (Bank 2)
P2093	'A' Camshaft Position Actuator Control Circuit High (Bank 2)
P2094	'B' Camshaft Position Actuator Control Circuit Low (Bank 2)
P2095	'B' Camshaft Position Actuator Control Circuit High (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)
P209A	Reductant Injection Air Pressure Sensor 'B' Circuit
P209B	Reductant Injection Air Pressure Sensor 'B' Circuit Range/Performance
P209C	Reductant Injection Air Pressure Sensor 'B' Circuit Low
P209D	Reductant Injection Air Pressure Sensor 'B' Circuit High
P209E	Reductant Injection Air Pressure Sensor 'A'/'B' Correlation
P209F	Reductant Tank Heater Control Circuit Performance
P20A0	Reductant Purge Control Valve 'A' Circuit/Open
P20A1	Reductant Purge Control Valve 'A' Performance
P20A2	Reductant Purge Control Valve 'A' Circuit Low
P20A3	Reductant Purge Control Valve 'A' Circuit High
P20A4	Reductant Purge Control Valve 'A' Stuck Open
P20A5	Reductant Purge Control Valve 'A' Stuck Closed
P20A6	Reductant Injection Air Pressure Control Valve Circuit/Open
P20A7	Reductant Injection Air Pressure Control Valve Performance
P20A8	Reductant Injection Air Pressure Control Valve Circuit Low
P20A9	Reductant Injection Air Pressure Control Valve Circuit High
P20AA	Reductant Injection Air Pressure Control Valve Stuck Open
P20AB	Reductant Injection Air Pressure Control Valve Stuck Closed
P20AC	Reductant Metering Unit Temperature Sensor Circuit
P20AD	Reductant Metering Unit Temperature Sensor Circuit Range/Performance
P20AE	Reductant Metering Unit Temperature Sensor Circuit Low
P20AF	Reductant Metering Unit Temperature Sensor Circuit High
P20B0	Reductant Metering Unit Temperature Sensor Circuit Intermittent/Erratic
P20B1	Reductant Heater Coolant Control Valve Circuit/Open
P20B2	Reductant Heater Coolant Control Valve Performance/Stuck Open
P20B3	Reductant Heater Coolant Control Valve Circuit Low
P20B4	Reductant Heater Coolant Control Valve Circuit High
P20B5	Reductant Metering Unit Heater Control Circuit/Open
P20B6	Reductant Metering Unit Heater Control Circuit Performance
P20B7	Reductant Metering Unit Heater Control Circuit Low
P20B8	Reductant Metering Unit Heater Control Circuit High
P20B9	Reductant Heater 'A' Control Circuit/Open

P20BA	Reductant Heater 'A' Control Circuit Performance
P20BB	Reductant Heater 'A' Control Circuit Low
P20BC	Reductant Heater 'A' Control Circuit High
P20BD	Reductant Heater 'B' Control Circuit/Open
P20BE	Reductant Heater 'B' Control Circuit Performance
P20BF	Reductant Heater 'B' Control Circuit Low
P20C0	Reductant Heater 'B' Control Circuit High
P20C1	Reductant Heater 'C' Control Circuit/Open
P20C2	Reductant Heater 'C' Control Circuit Performance
P20C3	Reductant Heater 'C' Control Circuit Low
P20C4	Reductant Heater 'C' Control Circuit High
P20C5	Reductant Heater 'D' Control Circuit/Open
P20C6	Reductant Heater 'D' Control Circuit Performance
P20C7	Reductant Heater 'D' Control Circuit Low
P20C8	Reductant Heater 'D' Control Circuit High
P20C9	Reductant Control Module Requested MIL Illumination
P20CA	Reductant Injection Air Pressure Leakage
P20CB	Exhaust Aftertreatment Fuel Injector 'A' Control Circuit/Open
P20CC	Exhaust Aftertreatment Fuel Injector 'A' Control Performance
P20CD	Exhaust Aftertreatment Fuel Injector 'A' Control Circuit Low
P20CE	Exhaust Aftertreatment Fuel Injector 'A' Control Circuit High
P20CF	Exhaust Aftertreatment Fuel Injector 'A' Stuck Open
P20D0	Exhaust Aftertreatment Fuel Injector 'A' Stuck Closed
P20D1	Exhaust Aftertreatment Fuel Injector 'B' Control Circuit/Open
P20D2	Exhaust Aftertreatment Fuel Injector 'B' Control Performance
P20D3	Exhaust Aftertreatment Fuel Injector 'B' Control Circuit Low
P20D4	Exhaust Aftertreatment Fuel Injector 'B' Control Circuit High
P20D5	Exhaust Aftertreatment Fuel Injector 'B' Stuck Open
P20D6	Exhaust Aftertreatment Fuel Injector 'B' Stuck Closed
P20D7	Exhaust Aftertreatment Fuel Supply Control Circuit/Open
P20D8	Exhaust Aftertreatment Fuel Supply Control Performance
P20D9	Exhaust Aftertreatment Fuel Supply Control Circuit Low
P20DA	Exhaust Aftertreatment Fuel Supply Control Circuit High
P20DB	Exhaust Aftertreatment Fuel Supply Control Stuck Open
P20DC	Exhaust Aftertreatment Fuel Supply Control Stuck Closed
P20DD	Exhaust Aftertreatment Fuel Pressure Sensor Circuit
P20DE	Exhaust Aftertreatment Fuel Pressure Sensor Circuit Range/Performance
P20DF	Exhaust Aftertreatment Fuel Pressure Sensor Circuit Low
P20E0	Exhaust Aftertreatment Fuel Pressure Sensor Circuit High
P20E1	Exhaust Aftertreatment Fuel Pressure Sensor Circuit Intermittent/Erratic
P20E2	Exhaust Gas Temperature Sensor 1/2 Correlation (Bank 1)
P20E3	Exhaust Gas Temperature Sensor 1/3 Correlation (Bank 1)
P20E4	Exhaust Gas Temperature Sensor 2/3 Correlation (Bank 1)
P20E5	Exhaust Gas Temperature Sensor 1/2 Correlation (Bank 2)
P20E6	Reductant Injection Air Pressure Too Low
P20E7	Reductant Injection Air Pressure Too High
P20E8	Reductant Pressure Too Low
P20E9	Reductant Pressure Too High
P20EA	Reductant Control Module Power Relay De-Energized Performance - Too Early
P20EB	Reductant Control Module Power Relay De-Energized Performance - Too Late
P20EC	SCR NOx Catalyst - Over Temperature (Bank 1)
P20ED	SCR NOx Pre-Catalyst - Over Temperature (Bank 1)
P20EE	SCR NOx Catalyst Efficiency Below Threshold (Bank 1)

P20EF	SCR NOx Pre-Catalyst Efficiency Below Threshold (Bank 1)
P20F0	SCR NOx Catalyst - Over Temperature (Bank 2)
P20F1	SCR NOx Pre-Catalyst - Over Temperature (Bank 2)
P20F2	SCR NOx Catalyst Efficiency Below Threshold (Bank 2)
P20F3	SCR NOx Pre-Catalyst Efficiency Below Threshold (Bank 2)
P20F4	Reductant Consumption Too Low
P20F5	Reductant Consumption Too High
P20F6	Reductant Injection Valve Stuck Open (Bank 1 Unit 1)
P20F7	Reductant Injection Valve Stuck Open (Bank 2 Unit 1)
P20F8	Intake Manifold Runner Control Circuit Performance (Bank 1)
P20F9	Intake Manifold Runner Control Circuit Performance (Bank 2)
P20FA	Reductant Pump 'B' Control Circuit/Open
P20FB	Reductant Pump 'B' Performance/Stuck Off
P20FC	Reductant Pump 'B' Control Circuit Low
P20FD	Reductant Pump 'B' Control Circuit High
P20FE	Reductant Metering Unit Performance
P20FF	Reductant Control Module Performance
P2100	Throttle Actuator 'A' Control Motor Circuit/Open
P2101	Throttle Actuator 'A' Control Motor Circuit Range/Performance
P2102	Throttle Actuator 'A' Control Motor Circuit Low
P2103	Throttle Actuator 'A' Control Motor Circuit High
P2104	Throttle Actuator Control System - Forced Idle
P2105	Throttle Actuator Control System - Forced Engine Shutdown
P2106	Throttle Actuator Control System - Forced Limited Power
P2107	Throttle Actuator 'A' Control Module Processor
P2108	Throttle Actuator 'A' Control Module Performance
P2109	Throttle/Pedal Position Sensor 'A' Minimum Stop Performance
P210A	Throttle Actuator 'B' Control Motor Circuit/Open
P210B	Throttle Actuator 'B' Control Motor Circuit Range/Performance
P210C	Throttle Actuator 'B' Control Motor Circuit Low
P210D	Throttle Actuator 'B' Control Motor Circuit High
P210E	Throttle/Pedal Position Sensor/Switch 'C' / 'F' Voltage Correlation
P210F	Throttle Actuator 'B' Control System - Forced Limited RPM
P2110	Throttle Actuator 'A' Control System - Forced Limited RPM
P2111	Throttle Actuator 'A' Control System - Stuck Open
P2112	Throttle Actuator 'A' 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 'A' Control Motor Current Range/Performance
P2119	Throttle Actuator 'A' Control Throttle Body Range/Performance
P211A	Throttle Actuator 'B' Control System - Stuck Open
P211B	Throttle Actuator 'B' Control System - Stuck Close
P211C	Throttle Actuator 'B' Control Motor Current Range/Performance
P211D	Throttle Actuator 'B' Control Throttle Body Range/Performance
P211E	Throttle Actuator 'B' Control Module Processor
P211F	Throttle Actuator 'B' Control Module 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
P2123	Throttle/Pedal Position Sensor/Switch 'D' Circuit High

P2124	Throttle/Pedal Position Sensor/Switch 'D' Circuit Intermittent
P2125	Throttle/Pedal Position Sensor/Switch 'E' Circuit
P2126	Throttle/Pedal Position Sensor/Switch 'E' Circuit Range/Performance
P2127	Throttle/Pedal Position Sensor/Switch 'E' Circuit Low
P2128	Throttle/Pedal Position Sensor/Switch 'E' Circuit High
P2129	Throttle/Pedal Position Sensor/Switch 'E' Circuit Intermittent
P212A	Throttle Position Sensor/Switch 'G' Circuit
P212B	Throttle Position Sensor/Switch 'G' Circuit Range/Performance
P212C	Throttle Position Sensor/Switch 'G' Circuit Low
P212D	Throttle Position Sensor/Switch 'G' Circuit High
P212E	Throttle Position Sensor/Switch 'G' Circuit Intermittent
P212F	Throttle/Pedal Position Sensor/Switch 'F' / 'G' Voltage Correlation
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
P2133	Throttle/Pedal Position Sensor/Switch 'F' Circuit High
P2134	Throttle/Pedal Position Sensor/Switch 'F' Circuit Intermittent
P2135	Throttle/Pedal Position Sensor/Switch 'A' / 'B' Voltage Correlation
P2136	Throttle/Pedal Position Sensor/Switch 'A' / 'C' Voltage Correlation
P2137	Throttle/Pedal Position Sensor/Switch 'B' / 'C' Voltage Correlation
P2138	Throttle/Pedal Position Sensor/Switch 'D' / 'E' Voltage Correlation
P2139	Throttle/Pedal Position Sensor/Switch 'D' / 'F' Voltage Correlation
P213A	EGR Throttle Control Circuit 'B' /Open
P213B	EGR Throttle Control Circuit 'B' Range/Performance
P213C	EGR Throttle Control Circuit 'B' Low
P213D	EGR Throttle Control Circuit 'B' High
P213E	Fuel Injection System Fault - Forced Engine Shutdown
P213F	Fuel Pump System Fault - Forced Engine Shutdown
P2140	Throttle/Pedal Position Sensor/Switch 'E' / 'F' Voltage Correlation
P2141	EGR Throttle Control Circuit 'A' Low
P2142	EGR Throttle Control Circuit 'A' High
P2143	EGR Vent Control Circuit/Open
P2144	EGR Vent Control Circuit Low
P2145	EGR 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
P214A	SCR NOx Catalyst Inlet Temperature Too High
P214B	SCR NOx Catalyst Inlet Temperature Too High During Particulate Filter Regeneration
P214C	SCR NOx Catalyst Outlet Temperature Too High
P214D	SCR NOx Catalyst Outlet Temperature Too High During Particulate Filter Regeneration
P214E	Reductant Pump 'A' Current Too High
P214F	Reductant Heater 'A' Current Too High
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' Circuit

P2159	Vehicle Speed Sensor 'B' Circuit Range/Performance
P215A	Vehicle Speed - Wheel Speed Correlation
P215B	Vehicle Speed - Output Shaft Speed Correlation
P215C	Output Shaft Speed - Wheel Speed Correlation
P215D	Reductant Pump 'B' Stuck On
P215E	Reductant Heater 'D' Current Too Low
P215F	Reductant Heater 'D' Current Too High
P2160	Vehicle Speed Sensor 'B' Circuit Low
P2161	Vehicle Speed Sensor 'B' Circuit Intermittent/Erratic/High
P2162	Vehicle Speed Sensor 'A' / 'B' Correlation
P2163	Throttle/Pedal Position Sensor 'A' Maximum Stop Performance
P2164	Throttle/Pedal Position Sensor 'B' Maximum Stop Performance
P2165	Throttle/Pedal Position Sensor 'C' Maximum Stop Performance
P2166	Throttle/Pedal Position Sensor 'D' Maximum Stop Performance
P2167	Throttle/Pedal Position Sensor 'E' Maximum Stop Performance
P2168	Throttle/Pedal Position Sensor 'F' Maximum Stop Performance
P2169	Exhaust Pressure Regulator Vent Solenoid Control Circuit/Open
P216A	Fuel Injector Group 'E' Supply Voltage Circuit/Open
P216B	Fuel Injector Group 'E' Supply Voltage Circuit Low
P216C	Fuel Injector Group 'E' Supply Voltage Circuit High
P216D	Fuel Injector Group 'F' Supply Voltage Circuit/Open
P216E	Fuel Injector Group 'F' Supply Voltage Circuit Low
P216F	Fuel Injector Group 'F' Supply Voltage Circuit High
P2170	Exhaust Pressure Regulator Vent Solenoid Control Circuit Low
P2171	Exhaust Pressure Regulator Vent Solenoid Control Circuit High
P2172	Throttle Actuator Control System - Sudden High Air Flow Detected
P2173	Throttle Actuator Control System - High Air Flow Detected
P2174	Throttle Actuator Control System - Sudden Low Air Flow Detected
P2175	Throttle Actuator Control System - Low Air Flow Detected
P2176	Throttle Actuator 'A' Control System - Idle Position Not Learned
P2177	Fuel Control System 'A' Too Lean Off Idle (Bank 1)
P2178	Fuel Control System 'A' Too Rich Off Idle (Bank 1)
P2179	Fuel Control System 'A' Too Lean Off Idle (Bank 2)
P217A	Fuel Injector Group 'G' Supply Voltage Circuit/Open
P217B	Fuel Injector Group 'G' Supply Voltage Circuit Low
P217C	Fuel Injector Group 'G' Supply Voltage Circuit High
P217D	Fuel Injector Group 'H' Supply Voltage Circuit/Open
P217E	Fuel Injector Group 'H' Supply Voltage Circuit Low
P217F	Fuel Injector Group 'H' Supply Voltage Circuit High
P2180	Fuel Control System 'A' Too Rich Off Idle (Bank 2)
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	Fuel Control System 'A' Too Lean at Idle (Bank 1)
P2188	Fuel Control System 'A' Too Rich at Idle (Bank 1)
P2189	Fuel Control System 'A' Too Lean at Idle (Bank 2)
P218A	Throttle Actuator 'B' Control System - Idle Position Not Learned
P218B	Throttle/Fuel Inhibit 'B' Circuit
P218C	Throttle/Fuel Inhibit 'B' Circuit Range/Performance
P218D	Throttle/Fuel Inhibit 'B' Circuit Low

P218E	Throttle/Fuel Inhibit 'B' Circuit High
P218F	Reductant No Flow Detected
P2190	Fuel Control System 'A' Too Rich at Idle (Bank 2)
P2191	Fuel Control System 'A' Too Lean at Higher Load (Bank 1)
P2192	Fuel Control System 'A' Too Rich at Higher Load (Bank 1)
P2193	Fuel Control System 'A' Too Lean at Higher Load (Bank 2)
P2194	Fuel Control System 'A' Too Rich at Higher Load (Bank 2)
P2195	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 1)
P2196	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 1)
P2197	O2 Sensor Signal Biased/Stuck Lean (Bank 2 Sensor 1)
P2198	O2 Sensor Signal Biased/Stuck Rich (Bank 2 Sensor 1)
P2199	Intake Air Temperature Sensor 1 / 2 Correlation
P219A	Bank 1 Air-Fuel Ratio Imbalance
P219B	Bank 2 Air-Fuel Ratio Imbalance
P219C	Cylinder 1 Air-Fuel Ratio Imbalance
P219D	Cylinder 2 Air-Fuel Ratio Imbalance
P219E	Cylinder 3 Air-Fuel Ratio Imbalance
P219F	Cylinder 4 Air-Fuel Ratio Imbalance
P21A0	Cylinder 5 Air-Fuel Ratio Imbalance
P21A1	Cylinder 6 Air-Fuel Ratio Imbalance
P21A2	Cylinder 7 Air-Fuel Ratio Imbalance
P21A3	Cylinder 8 Air-Fuel Ratio Imbalance
P21A4	Cylinder 9 Air-Fuel Ratio Imbalance
P21A5	Cylinder 10 Air-Fuel Ratio Imbalance
P21A6	Cylinder 11 Air-Fuel Ratio Imbalance
P21A7	Cylinder 12 Air-Fuel Ratio Imbalance
P21A8	Reductant Level Sensor 'B' Circuit
P21A9	Reductant Level Sensor 'B' Circuit Range/Performance
P21AA	Reductant Level Sensor 'B' Circuit Low
P21AB	Reductant Level Sensor 'B' Circuit High
P21AC	Reductant Level Sensor 'B' Circuit Intermittent/Erratic
P21AD	Reductant Level Sensor 'C' Circuit
P21AE	Reductant Level Sensor 'C' Circuit Range/Performance
P21AF	Reductant Level Sensor 'C' Circuit Low
P21B0	Reductant Level Sensor 'C' Circuit High
P21B1	Reductant Level Sensor 'C' Circuit Intermittent/Erratic
P21B2	Excessive Time To Enter Closed Loop NOx Adsorber Control
P21B3	Closed Loop NOx Adsorber Control At Limit - Too High
P21B4	NOx Adsorber - Over Temperature, Bank 1
P21B5	NOx Adsorber - Over Temperature, Bank 2
P21B6	Cold Start Cylinder 1 Injection Timing
P21B7	Cold Start Cylinder 2 Injection Timing
P21B8	Cold Start Cylinder 3 Injection Timing
P21B9	Cold Start Cylinder 4 Injection Timing
P21BA	Cold Start Cylinder 5 Injection Timing
P21BB	Cold Start Cylinder 6 Injection Timing
P21BC	Cold Start Cylinder 7 Injection Timing
P21BD	Cold Start Cylinder 8 Injection Timing
P21BE	Cold Start Cylinder 9 Injection Timing
P21BF	Cold Start Cylinder 10 Injection Timing
P21C0	Cold Start Cylinder 11 Injection Timing
P21C1	Cold Start Cylinder 12 Injection Timing
P21C2	Reductant Heater Relay Control Circuit/Open

P21C3	Reductant Heater Relay Control Circuit Low
P21C4	Reductant Heater Relay Control Circuit High
P21C5	Reductant Level Sensor 'A' Stuck
P21C6	Reductant Level Sensor 'B' Stuck
P21C7	Reductant Control Module Power Relay/Relays Control Circuit/Open
P21C8	Reductant Control Module Power Relay/Relays Control Circuit Low
P21C9	Reductant Control Module Power Relay/Relays Control Circuit High
P21CA	Reductant Control Module Supply Voltage Circuit
P21CB	Reductant Control Module Supply Voltage Low
P21CC	Reductant Control Module Supply Voltage High
P21CD	Reductant Quality Module Supply Voltage Low
P21CE	Reductant Quality Module Performance
P21CF	Cylinder 1 Injector 'B' Circuit/Open
P21D0	Cylinder 2 Injector 'B' Circuit/Open
P21D1	Cylinder 3 Injector 'B' Circuit/Open
P21D2	Cylinder 4 Injector 'B' Circuit/Open
P21D3	Cylinder 5 Injector 'B' Circuit/Open
P21D4	Cylinder 6 Injector 'B' Circuit/Open
P21D5	Cylinder 7 Injector 'B' Circuit/Open
P21D6	Cylinder 8 Injector 'B' Circuit/Open
P21D7	Cylinder 9 Injector 'B' Circuit/Open
P21D8	Cylinder 10 Injector 'B' Circuit/Open
P21D9	Cylinder 11 Injector 'B' Circuit/Open
P21DA	Cylinder 12 Injector 'B' Circuit/Open
P21DB	Cylinder 1 Injector 'B' Circuit Low
P21DC	Cylinder 1 Injector 'B' Circuit High
P21DD	Reductant Heater 'A' Current Too Low
P21DE	Cylinder 2 Injector 'B' Circuit Low
P21DF	Cylinder 2 Injector 'B' Circuit High
P21E0	Cylinder 3 Injector 'B' Circuit Low
P21E1	Cylinder 3 Injector 'B' Circuit High
P21E2	Cylinder 4 Injector 'B' Circuit Low
P21E3	Cylinder 4 Injector 'B' Circuit High
P21E4	Cylinder 5 Injector 'B' Circuit Low
P21E5	Cylinder 5 Injector 'B' Circuit High
P21E6	Cylinder 6 Injector 'B' Circuit Low
P21E7	Cylinder 6 Injector 'B' Circuit High
P21E8	Cylinder 7 Injector 'B' Circuit Low
P21E9	Cylinder 7 Injector 'B' Circuit High
P21EA	Cylinder 8 Injector 'B' Circuit Low
P21EB	Cylinder 8 Injector 'B' Circuit High
P21EC	Cylinder 9 Injector 'B' Circuit Low
P21ED	Cylinder 9 Injector 'B' Circuit High
P21EE	Cylinder 10 Injector 'B' Circuit Low
P21EF	Cylinder 10 Injector 'B' Circuit High
P21F0	Cylinder 11 Injector 'B' Circuit Low
P21F1	Cylinder 11 Injector 'B' Circuit High
P21F2	Cylinder 12 Injector 'B' Circuit Low
P21F3	Cylinder 12 Injector 'B' Circuit High
P21F4	Fuel Control System 'B' Too Lean Off Idle (Bank 1)
P21F5	Fuel Control System 'B' Too Rich Off Idle (Bank 1)
P21F6	Fuel Control System 'B' Too Lean Off Idle (Bank 2)
P21F7	Fuel Control System 'B' Too Rich Off Idle (Bank 2)

P21F8	Fuel Control System 'B' Too Lean at Idle (Bank 1)
P21F9	Fuel Control System 'B' Too Rich at Idle (Bank 1)
P21FA	Fuel Control System 'B' Too Lean at Idle (Bank 2)
P21FB	Fuel Control System 'B' Too Rich at Idle (Bank 2)
P21FC	Fuel Control System 'B' Too Lean at Higher Load (Bank 1)
P21FD	Fuel Control System 'B' Too Rich at Higher Load (Bank 1)
P21FE	Fuel Control System 'B' Too Lean at Higher Load (Bank 2)
P21FF	Fuel Control System 'B' Too Rich at Higher Load (Bank 2)
P2200	NOx Sensor Circuit (Bank 1 Sensor 1)
P2201	NOx Sensor Circuit Range/Performance (Bank 1 Sensor 1)
P2202	NOx Sensor Circuit Low (Bank 1 Sensor 1)
P2203	NOx Sensor Circuit High (Bank 1 Sensor 1)
P2204	NOx Sensor Circuit Intermittent (Bank 1 Sensor 1)
P2205	NOx Sensor Heater Control Circuit/Open (Bank 1 Sensor 1)
P2206	NOx Sensor Heater Control Circuit Low (Bank 1 Sensor 1)
P2207	NOx Sensor Heater Control Circuit High (Bank 1 Sensor 1)
P2208	NOx Sensor Heater Sense Circuit (Bank 1 Sensor 1)
P2209	NOx Sensor Heater Sense Circuit Range/Performance (Bank 1 Sensor 1)
P220A	NOx Sensor Supply Voltage Circuit (Bank 1 Sensor 1)
P220B	NOx Sensor Supply Voltage Circuit (Bank 1 Sensor 2)
P220C	NOx Sensor Supply Voltage Circuit (Bank 2 Sensor 1)
P220D	NOx Sensor Supply Voltage Circuit (Bank 2 Sensor 2)
P220E	NOx Sensor Heater Control Circuit Range/Performance, Bank 1 Sensor 1
P220F	NOx Sensor Heater Control Circuit Range/Performance, Bank 1 Sensor 2
P2210	NOx Sensor Heater Sense Circuit Low (Bank 1 Sensor 1)
P2211	NOx Sensor Heater Sense Circuit High (Bank 1 Sensor1)
P2212	NOx Sensor Heater Sense Circuit Intermittent (Bank 1 Sensor 1)
P2213	NOx Sensor Circuit (Bank 2)
P2214	NOx Sensor Circuit Range/Performance (Bank 2)
P2215	NOx Sensor Circuit Low (Bank 2)
P2216	NOx Sensor Circuit High (Bank 2)
P2217	NOx Sensor Circuit Intermittent (Bank 2)
P2218	NOx Sensor Heater Control Circuit/Open (Bank 2)
P2219	NOx Sensor Heater Control Circuit Low (Bank 2)
P221A	NOx Sensor 1/2 Correlation (Bank 1)
P221B	NOx Sensor 1/2 Correlation (Bank 2)
P221C	Reductant Heater 'B' Current Too Low
P221D	Reductant Heater 'B' Current Too High
P221E	Reductant Heater 'C' Current Too Low
P221F	Reductant Heater 'C' Current Too High
P2220	NOx Sensor Heater Control Circuit High (Bank 2)
P2221	NOx Sensor Heater Sense Circuit (Bank 2)
P2222	NOx Sensor Heater Sense Circuit Range/Performance (Bank 2)
P2223	NOx Sensor Heater Sense Circuit Low (Bank 2)
P2224	NOx Sensor Heater Sense Circuit High (Bank 2)
P2225	NOx Sensor Heater Sense Circuit Intermittent (Bank 2)
P2226	Barometric Pressure Sensor 'A' Circuit
P2227	Barometric Pressure Sensor 'A' Circuit Range/Performance
P2228	Barometric Pressure Sensor 'A' Circuit Low
P2229	Barometric Pressure Sensor 'A' Circuit High
P222A	Barometric Pressure Sensor 'B' Circuit
P222B	Barometric Pressure Sensor 'B' Circuit Range/Performance
P222C	Barometric Pressure Sensor 'B' Circuit Low

P222D	Barometric Pressure Sensor 'B' Circuit High
P222E	Barometric Pressure Sensor 'B' Circuit Intermittent/Erratic
P222F	Barometric Pressure Sensor 'A'/'B' Correlation
P2230	Barometric Pressure Sensor 'A' Circuit Intermittent/Erratic
P2231	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank 1 Sensor 1)
P2232	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank 1 Sensor 2)
P2233	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank 1 Sensor 3)
P2234	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank 2 Sensor 1)
P2235	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank 2 Sensor 2)
P2236	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank 2 Sensor 3)
P2237	O2 Sensor Positive Current Control Circuit/Open (Bank 1 Sensor 1)
P2238	O2 Sensor Positive Current Control Circuit Low (Bank 1 Sensor 1)
P2239	O2 Sensor Positive Current Control Circuit High (Bank 1 Sensor 1)
P223A	Reductant Heater 'E' Control Circuit
P223B	Reductant Heater 'F' Control Circuit
P223C	O2 Sensor Pumping Current Range/Performance Bank 1
P223D	O2 Sensor Pumping Current Range/Performance Bank 2
P223E	O2 Sensor Reference Resistance Out Of Range Bank 1
P223F	O2 Sensor Reference Resistance Out Of Range Bank 2
P2240	O2 Sensor Positive Current Control Circuit/Open (Bank 2 Sensor 1)
P2241	O2 Sensor Positive Current Control Circuit Low (Bank 2 Sensor 1)
P2242	O2 Sensor Positive Current Control Circuit High (Bank 2 Sensor 1)
P2243	O2 Sensor Reference Voltage Circuit/Open (Bank 1 Sensor 1)
P2244	O2 Sensor Reference Voltage Performance (Bank 1 Sensor 1)
P2245	O2 Sensor Reference Voltage Circuit Low (Bank 1 Sensor 1)
P2246	O2 Sensor Reference Voltage Circuit High (Bank 1 Sensor 1)
P2247	O2 Sensor Reference Voltage Circuit/Open (Bank 2 Sensor 1)
P2248	O2 Sensor Reference Voltage Performance (Bank 2 Sensor 1)
P2249	O2 Sensor Reference Voltage Circuit Low (Bank 2 Sensor 1)
P224A	NOx Sensor Heater Resistance, Bank 1 Sensor 1
P224B	NOx Sensor Heater Resistance, Bank 1 Sensor 2
P224C	Alternative Fuel Tank Shutoff Valve 'A' Control Circuit/Open
P224D	Alternative Fuel Tank Shutoff Valve 'A' Control Circuit Range/Performance
P224E	Alternative Fuel Tank Shutoff Valve 'A' Control Circuit Low
P224F	Alternative Fuel Tank Shutoff Valve 'A' Control Circuit High
P2250	O2 Sensor Reference Voltage Circuit High (Bank 2 Sensor 1)
P2251	O2 Sensor Negative Current Control Circuit/Open (Bank 1 Sensor 1)
P2252	O2 Sensor Negative Current Control Circuit Low (Bank 1 Sensor 1)
P2253	O2 Sensor Negative Current Control Circuit High (Bank 1 Sensor 1)
P2254	O2 Sensor Negative Current Control Circuit/Open (Bank 2 Sensor 1)
P2255	O2 Sensor Negative Current Control Circuit Low (Bank 2 Sensor 1)
P2256	O2 Sensor Negative Current Control Circuit High (Bank 2 Sensor 1)
P2257	AIR System Control 'A' Circuit Low
P2258	AIR System Control 'A' Circuit High
P2259	AIR System Control 'B' Circuit Low
P225A	NOx Sensor Calibration Memory, Bank 1 Sensor 1
P225B	NOx Sensor Calibration Memory, Bank 1 Sensor 2
P225C	NOx Sensor Performance - Signal Biased/Stuck High Bank 1 Sensor 1
P225D	NOx Sensor Performance - Signal Biased/Stuck Low Bank 1 Sensor 1
P225E	NOx Sensor Performance - Signal Biased/Stuck High Bank 1 Sensor 2
P225F	NOx Sensor Performance - Signal Biased/Stuck Low Bank 1 Sensor 2
P2260	AIR System Control 'B' Circuit High
P2261	Turbocharger/Supercharger Bypass Valve 'A' - Mechanical

P2262	Turbocharger/Supercharger Boost Pressure Not Detected - Mechanical
P2263	Turbocharger/Supercharger Boost System Performance
P2264	Water in Fuel Sensor 'A' Circuit
P2265	Water in Fuel Sensor 'A' Circuit Range/Performance
P2266	Water in Fuel Sensor 'A' Circuit Low
P2267	Water in Fuel Sensor 'A' Circuit High
P2268	Water in Fuel Sensor 'A' Circuit Intermittent
P2269	Water in Fuel Condition - Sensor 'A'
P226A	Water in Fuel Lamp Control Circuit
P226B	Turbocharger/Supercharger Boost Pressure Too High - Mechanical
P226C	Turbocharger Boost Control 'A' Slow Response
P226D	Particulate Filter Deteriorated/Missing Substrate Bank 1
P226E	Particulate Filter Deteriorated/Missing Substrate Bank 2
P226F	Turbocharger Boost Control 'B' Slow Response
P2270	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 2)
P2271	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 2)
P2272	O2 Sensor Signal Biased/Stuck Lean (Bank 2 Sensor 2)
P2273	O2 Sensor Signal Biased/Stuck Rich (Bank 2 Sensor 2)
P2274	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 3)
P2275	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 3)
P2276	O2 Sensor Signal Biased/Stuck Lean (Bank 2 Sensor 3)
P2277	O2 Sensor Signal Biased/Stuck Rich (Bank 2 Sensor 3)
P2278	O2 Sensor Signals Swapped Bank 1 Sensor 3 / Bank 2 Sensor 3
P2279	Intake Air System Leak
P227A	Barometric Pressure Sensor 'C' Circuit
P227B	Barometric Pressure Sensor 'C' Circuit Range/Performance
P227C	Barometric Pressure Sensor 'C' Circuit Low
P227D	Barometric Pressure Sensor 'C' Circuit High
P227E	Barometric Pressure Sensor 'C' Circuit Intermittent/Erratic
P227F	Air Flow Restriction/Air Leak Between Air Filter and MAF Bank 2
P2280	Air Flow Restriction/Air Leak Between Air Filter and MAF Bank 1
P2281	Air Leak Between MAF and Throttle Body
P2282	Air Leak Between Throttle Body and Intake Valves
P2283	Injector Control Pressure Sensor Circuit
P2284	Injector Control Pressure Sensor Circuit Range/Performance
P2285	Injector Control Pressure Sensor Circuit Low
P2286	Injector Control Pressure Sensor Circuit High
P2287	Injector Control Pressure Sensor Circuit Intermittent
P2288	Injector Control Pressure Too High
P2289	Injector Control Pressure Too High - Engine Off
P228A	Fuel Pressure Regulator 1 - Forced Engine Shutdown
P228B	Fuel Pressure Regulator 2 - Forced Engine Shutdown
P228C	Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too Low
P228D	Fuel Pressure Regulator 1 Exceeded Control Limits - Pressure Too High
P228E	Fuel Pressure Regulator 1 Exceeded Learning Limits - Too Low
P228F	Fuel Pressure Regulator 1 Exceeded Learning Limits - Too High
P2290	Injector Control Pressure Too Low
P2291	Injector Control Pressure Too Low - Engine Cranking
P2292	Injector Control Pressure Erratic
P2293	Fuel Pressure Regulator 2 Performance
P2294	Fuel Pressure Regulator 2 Control Circuit/Open
P2295	Fuel Pressure Regulator 2 Control Circuit Low
P2296	Fuel Pressure Regulator 2 Control Circuit High

P2297	O2 Sensor Out of Range During Deceleration (Bank 1 Sensor 1)
P2298	O2 Sensor Out of Range During Deceleration (Bank 2 Sensor 1)
P2299	Brake Pedal Position / Accelerator Pedal Position Incompatible
P229A	Fuel Pressure Regulator 2 Exceeded Control Limits - Pressure Too Low
P229B	Fuel Pressure Regulator 2 Exceeded Control Limits - Pressure Too High
P229C	Fuel Pressure Regulator 2 Exceeded Learning Limits - Too Low
P229D	Fuel Pressure Regulator 2 Exceeded Learning Limits - Too High
P229E	NOx Sensor Circuit (Bank 1 Sensor 2)
P229F	NOx Sensor Circuit Range/Performance (Bank 1 Sensor 2)
P22A0	NOx Sensor Circuit Low (Bank 1 Sensor 2)
P22A1	NOx Sensor Circuit High (Bank 1 Sensor 2)
P22A2	NOx Sensor Circuit Intermittent (Bank 1 Sensor 2)
P22A3	NOx Sensor Heater Control Circuit/Open (Bank 1 Sensor 2)
P22A4	NOx Sensor Heater Control Circuit Low (Bank 1 Sensor 2)
P22A5	NOx Sensor Heater Control Circuit High (Bank 1 Sensor 2)
P22A6	NOx Sensor Heater Sense Circuit (Bank 1 Sensor 2)
P22A7	NOx Sensor Heater Sense Circuit Range/Performance (Bank 1 Sensor 2)
P22A8	NOx Sensor Heater Sense Circuit Low (Bank 1 Sensor 2)
P22A9	NOx Sensor Heater Sense Circuit High (Bank 1 Sensor 2)
P22AA	NOx Sensor Heater Sense Circuit Intermittent (Bank 1 Sensor 2)
P22AB	O2 Sensor Positive Current Control Circuit/Open (Bank 1 Sensor 2)
P22AC	O2 Sensor Positive Current Control Circuit Low (Bank 1 Sensor 2)
P22AD	O2 Sensor Positive Current Control Circuit High (Bank 1 Sensor 2)
P22AE	O2 Sensor Reference Voltage Circuit/Open (Bank 1 Sensor 2)
P22AF	O2 Sensor Reference Voltage Performance (Bank 1 Sensor 2)
P22B0	O2 Sensor Reference Voltage Circuit Low (Bank 1 Sensor 2)
P22B1	O2 Sensor Reference Voltage Circuit High (Bank 1 Sensor 2)
P22B2	O2 Sensor Negative Current Control Circuit/Open (Bank 1 Sensor 2)
P22B3	O2 Sensor Negative Current Control Circuit Low (Bank 1 Sensor 2)
P22B4	O2 Sensor Negative Current Control Circuit High (Bank 1 Sensor 2)
P22B5	O2 Sensor Pumping Current Trim Circuit/Open (Bank 1 Sensor 2)
P22B6	O2 Sensor Pumping Current Trim Circuit Low (Bank 1 Sensor 2)
P22B7	O2 Sensor Pumping Current Trim Circuit High (Bank 1 Sensor 2)
P22B8	O2 Sensor Positive Current Control Circuit/Open (Bank 2 Sensor 2)
P22B9	O2 Sensor Positive Current Control Circuit Low (Bank 2 Sensor 2)
P22BA	O2 Sensor Positive Current Control Circuit High (Bank 2 Sensor 2)
P22BB	O2 Sensor Reference Voltage Circuit/Open (Bank 2 Sensor 2)
P22BC	O2 Sensor Reference Voltage Performance (Bank 2 Sensor 2)
P22BD	O2 Sensor Reference Voltage Circuit Low (Bank 2 Sensor 2)
P22BE	O2 Sensor Reference Voltage Circuit High (Bank 2 Sensor 2)
P22BF	O2 Sensor Negative Current Control Circuit/Open (Bank 2 Sensor 2)
P22C0	O2 Sensor Negative Current Control Circuit Low (Bank 2 Sensor 2)
P22C1	O2 Sensor Negative Current Control Circuit High (Bank 2 Sensor 2)
P22C2	O2 Sensor Pumping Current Trim Circuit/Open (Bank 2 Sensor 2)
P22C3	O2 Sensor Pumping Current Trim Circuit Low (Bank 2 Sensor 2)
P22C4	O2 Sensor Pumping Current Trim Circuit High (Bank 2 Sensor 2)
P22C5	Turbocharger Compressor Outlet Valve Control Circuit/Open
P22C6	Turbocharger Compressor Outlet Valve Control Circuit Low
P22C7	Turbocharger Compressor Outlet Valve Control Circuit High
P22C8	Turbocharger Compressor Outlet Valve Stuck Open
P22C9	Turbocharger Compressor Outlet Valve Stuck Closed
P22CA	Turbocharger Compressor Outlet Switching Valve Control Circuit/Open
P22CB	Turbocharger Compressor Outlet Switching Valve Control Circuit Low

P22CC	Turbocharger Compressor Outlet Switching Valve Control Circuit High
P22CD	Turbocharger Compressor Outlet Switching Valve Stuck Open
P22CE	Turbocharger Compressor Outlet Switching Valve Stuck Closed
P22CF	Turbocharger Turbine Inlet Valve Control Circuit/Open
P22D0	Turbocharger Turbine Inlet Valve Control Circuit Low
P22D1	Turbocharger Turbine Inlet Valve Control Circuit High
P22D2	Turbocharger Turbine Inlet Valve Stuck Open
P22D3	Turbocharger Turbine Inlet Valve Stuck Closed
P22D4	Turbocharger Turbine Inlet Valve Position Sensor Circuit
P22D5	Turbocharger Turbine Inlet Valve Position Sensor Circuit Range/Performance
P22D6	Turbocharger Turbine Inlet Valve Position Sensor Circuit Low
P22D7	Turbocharger Turbine Inlet Valve Position Sensor Circuit High
P22D8	Turbocharger Turbine Inlet Valve Position Sensor Circuit Intermittent/Erratic
P22D9	Cylinder 1 Alternative Fuel Injector Control Circuit/Open
P22DA	Cylinder 1 Alternative Fuel Injector Control Circuit Low
P22DB	Cylinder 1 Alternative Fuel Injector Control Circuit High
P22DC	Cylinder 1 Alternative Fuel Injector Control Circuit Range/Performance
P22DD	Cylinder 2 Alternative Fuel Injector Control Circuit/Open
P22DE	Cylinder 2 Alternative Fuel Injector Control Circuit Low
P22DF	Cylinder 2 Alternative Fuel Injector Control Circuit High
P22E0	Cylinder 2 Alternative Fuel Injector Control Circuit Range/Performance
P22E1	Cylinder 3 Alternative Fuel Injector Control Circuit/Open
P22E2	Cylinder 3 Alternative Fuel Injector Control Circuit Low
P22E3	Cylinder 3 Alternative Fuel Injector Control Circuit High
P22E4	Cylinder 3 Alternative Fuel Injector Control Circuit Range/Performance
P22E5	Cylinder 4 Alternative Fuel Injector Control Circuit/Open
P22E6	Cylinder 4 Alternative Fuel Injector Control Circuit Low
P22E7	Cylinder 4 Alternative Fuel Injector Control Circuit High
P22E8	Cylinder 4 Alternative Fuel Injector Control Circuit Range/Performance
P22E9	Cylinder 5 Alternative Fuel Injector Control Circuit/Open
P22EA	Cylinder 5 Alternative Fuel Injector Control Circuit Low
P22EB	Cylinder 5 Alternative Fuel Injector Control Circuit High
P22EC	Cylinder 5 Alternative Fuel Injector Control Circuit Range/Performance
P22ED	Cylinder 6 Alternative Fuel Injector Control Circuit/Open
P22EE	Cylinder 6 Alternative Fuel Injector Control Circuit Low
P22EF	Cylinder 6 Alternative Fuel Injector Control Circuit High
P22F0	Cylinder 6 Alternative Fuel Injector Control Circuit Range/Performance
P22F1	Cylinder 7 Alternative Fuel Injector Control Circuit/Open
P22F2	Cylinder 7 Alternative Fuel Injector Control Circuit Low
P22F3	Cylinder 7 Alternative Fuel Injector Control Circuit High
P22F4	Cylinder 7 Alternative Fuel Injector Control Circuit Range/Performance
P22F5	Cylinder 8 Alternative Fuel Injector Control Circuit/Open
P22F6	Cylinder 8 Alternative Fuel Injector Control Circuit Low
P22F7	Cylinder 8 Alternative Fuel Injector Control Circuit High
P22F8	Cylinder 8 Alternative Fuel Injector Control Circuit Range/Performance
P22F9	NOx Sensor Performance - Slow Response Low to High Bank 1 Sensor 1
P22FA	NOx Sensor Performance - Slow Response High to Low Bank 1 Sensor 1
P22FB	NOx Sensor Performance - Sensing Element Bank 1 Sensor 1
P22FC	NOx Sensor Performance - Slow Response Low to High Bank 1 Sensor 2
P22FD	NOx Sensor Performance - Slow Response High to Low Bank 1 Sensor 2
P22FE	NOx Sensor Performance - Sensing Element Bank 1 Sensor 2
P22FF	SCR NOx Catalyst Inlet Temperature Too Low
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
P230A	Cylinder 1 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P230B	Cylinder 2 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P230C	Cylinder 3 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P230D	Cylinder 4 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P230E	Cylinder 5 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P230F	Cylinder 6 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
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
P231A	Cylinder 7 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P231B	Cylinder 8 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P231C	Cylinder 9 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P231D	Cylinder 10 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P231E	Cylinder 11 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
P231F	Cylinder 12 Air-Fuel Ratio Imbalance - Adjustment At Limit During Balance
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
P232A	TCM Request - Forced Engine Shutdown
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/Combustion Vibration Sensor Threshold
P2337	Cylinder 2 Above Knock/Combustion Vibration Sensor Threshold
P2338	Cylinder 3 Above Knock/Combustion Vibration Sensor Threshold
P2339	Cylinder 4 Above Knock/Combustion Vibration Sensor Threshold
P2340	Cylinder 5 Above Knock/Combustion Vibration Sensor Threshold

P2341	Cylinder 6 Above Knock/Combustion Vibration Sensor Threshold
P2342	Cylinder 7 Above Knock/Combustion Vibration Sensor Threshold
P2343	Cylinder 8 Above Knock/Combustion Vibration Sensor Threshold
P2344	Cylinder 9 Above Knock/Combustion Vibration Sensor Threshold
P2345	Cylinder 10 Above Knock/Combustion Vibration Sensor Threshold
P2346	Cylinder 11 Above Knock/Combustion Vibration Sensor Threshold
P2347	Cylinder 12 Above Knock/Combustion Vibration Sensor Threshold
P2348	Cylinder 9 Pressure Sensor Circuit
P2349	Cylinder 9 Pressure Sensor Circuit Range/Performance
P234A	Cylinder 9 Pressure Sensor Circuit Low
P234B	Cylinder 9 Pressure Sensor Circuit High
P234C	Cylinder 9 Pressure Sensor Circuit Intermittent/Erratic
P234D	Cylinder 9 Pressure Too Low
P234E	Cylinder 9 Pressure Too High
P234F	Cylinder 9 Pressure Variation Low
P2350	Cylinder 9 Pressure Variation High
P2351	Cylinder 9 Combustion Performance
P2352	Cylinder 10 Pressure Sensor Circuit
P2353	Cylinder 10 Pressure Sensor Circuit Range/Performance
P2354	Cylinder 10 Pressure Sensor Circuit Low
P2355	Cylinder 10 Pressure Sensor Circuit High
P2356	Cylinder 10 Pressure Sensor Circuit Intermittent/Erratic
P2357	Cylinder 10 Pressure Too Low
P2358	Cylinder 10 Pressure Too High
P2359	Cylinder 10 Pressure Variation Low
P235A	Cylinder 10 Pressure Variation High
P235B	Cylinder 10 Combustion Performance
P235C	Cylinder 11 Pressure Sensor Circuit
P235D	Cylinder 11 Pressure Sensor Circuit Range/Performance
P235E	Cylinder 11 Pressure Sensor Circuit Low
P235F	Cylinder 11 Pressure Sensor Circuit High
P2360	Cylinder 11 Pressure Sensor Circuit Intermittent/Erratic
P2361	Cylinder 11 Pressure Too Low
P2362	Cylinder 11 Pressure Too High
P2363	Cylinder 11 Pressure Variation Low
P2364	Cylinder 11 Pressure Variation High
P2365	Cylinder 11 Combustion Performance
P2366	Cylinder 12 Pressure Sensor Circuit
P2367	Cylinder 12 Pressure Sensor Circuit Range/Performance
P2368	Cylinder 12 Pressure Sensor Circuit Low
P2369	Cylinder 12 Pressure Sensor Circuit High
P236A	Cylinder 12 Pressure Sensor Circuit Intermittent/Erratic
P236B	Cylinder 12 Pressure Too Low
P236C	Cylinder 12 Pressure Too High
P236D	Cylinder 12 Pressure Variation Low
P236E	Cylinder 12 Pressure Variation High
P236F	Cylinder 12 Combustion Performance
P2370	Fuel Volume Regulator 'B' Control Circuit/Open
P2371	Fuel Volume Regulator 'B' Control Circuit Performance
P2372	Fuel Volume Regulator 'B' Control Circuit Low
P2373	Fuel Volume Regulator 'B' Control Circuit High
P23F2	Cylinder 1 Injector 'B' Air-Fuel Ratio Imbalance
P23F3	Cylinder 2 Injector 'B' Air-Fuel Ratio Imbalance

P23F4	Cylinder 3 Injector 'B' Air-Fuel Ratio Imbalance
P23F5	Cylinder 4 Injector 'B' Air-Fuel Ratio Imbalance
P23F6	Cylinder 5 Injector 'B' Air-Fuel Ratio Imbalance
P23F7	Cylinder 6 Injector 'B' Air-Fuel Ratio Imbalance
P23F8	Cylinder 7 Injector 'B' Air-Fuel Ratio Imbalance
P23F9	Cylinder 8 Injector 'B' Air-Fuel Ratio Imbalance
P23FA	Cylinder 9 Injector 'B' Air-Fuel Ratio Imbalance
P23FB	Cylinder 10 Injector 'B' Air-Fuel Ratio Imbalance
P23FC	Cylinder 11 Injector 'B' Air-Fuel Ratio Imbalance
P23FD	Cylinder 12 Injector 'B' Air-Fuel Ratio Imbalance
P23FE	Bank 1 System 'B' Air-Fuel Ratio Imbalance
P23FF	Bank 2 System 'B' Air-Fuel Ratio Imbalance
P2400	EVAP System Leak Detection Pump Control Circuit/Open
P2401	EVAP System Leak Detection Pump Control Circuit Low
P2402	EVAP System Leak Detection Pump Control Circuit High
P2403	EVAP System Leak Detection Pump Sense Circuit/Open
P2404	EVAP System Leak Detection Pump Sense Circuit Range/Performance
P2405	EVAP System Leak Detection Pump Sense Circuit Low
P2406	EVAP System Leak Detection Pump Sense Circuit High
P2407	EVAP System Leak Detection Pump Sense Circuit Intermittent/Erratic
P2408	Fuel Cap Sensor/Switch Circuit
P2409	Fuel Cap Sensor/Switch Circuit Range/Performance
P240A	EVAP System Leak Detection Pump Heater Control Circuit/Open
P240B	EVAP System Leak Detection Pump Heater Control Circuit Low
P240C	EVAP System Leak Detection Pump Heater Control Circuit High
P240D	Alternative Fuel Low Pressure System Leak
P240E	Alternative Fuel High Pressure System Leak
P240F	EGR Slow Response
P2410	Fuel Cap Sensor/Switch Circuit Low
P2411	Fuel Cap Sensor/Switch Circuit High
P2412	Fuel Cap Sensor/Switch Circuit Intermittent/Erratic
P2413	EGR System Performance
P2414	O2 Sensor Exhaust Sample Error (Bank 1 Sensor 1)
P2415	O2 Sensor Exhaust Sample Error (Bank 2 Sensor 1)
P2416	O2 Sensor Signals Swapped Bank 1 Sensor 2 / Bank 1 Sensor 3
P2417	O2 Sensor Signals Swapped Bank 2 Sensor 2 / Bank 2 Sensor 3
P2418	EVAP System Switching Valve Control Circuit/Open
P2419	EVAP System Switching Valve Control Circuit Low
P241A	O2 Sensor Signals Swapped Bank 1 Sensor 1 / Bank 1 Sensor 2
P241B	O2 Sensor Signals Swapped Bank 2 Sensor 1 / Bank 2 Sensor 2
P241C	Throttle Actuator Control System - Ice Blockage Bank 2
P241D	SCR Inducement - Forced Engine Shutdown
P241E	Reductant Heater Coolant Control Valve Stuck Closed
P241F	EGR Cooler 'B' Efficiency Below Threshold
P2420	EVAP System Switching Valve Control Circuit High
P2421	EVAP System Vent Valve Stuck Open
P2422	EVAP System Vent Valve Stuck Closed
P2423	HC Adsorption Catalyst Efficiency Below Threshold (Bank 1)
P2424	HC Adsorption Catalyst Efficiency Below Threshold (Bank 2)
P2425	EGR Cooling Valve Control Circuit/Open
P2426	EGR Cooling Valve Control Circuit Low
P2427	EGR Cooling Valve Control Circuit High
P2428	Exhaust Gas Temperature Too High (Bank 1)

P2429	Exhaust Gas Temperature Too High (Bank 2)
P242A	Exhaust Gas Temperature Sensor Circuit (Bank 1 Sensor 3)
P242B	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 1 Sensor 3)
P242C	Exhaust Gas Temperature Sensor Circuit Low (Bank 1 Sensor 3)
P242D	Exhaust Gas Temperature Sensor Circuit High (Bank 1 Sensor 3)
P242E	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic (Bank 1 Sensor 3)
P242F	Particulate Filter Restriction - Ash Accumulation (Bank 1)
P2430	AIR System Air Flow/Pressure Sensor Circuit (Bank 1)
P2431	AIR System Air Flow/Pressure Sensor Circuit Range/Performance (Bank 1)
P2432	AIR System Air Flow/Pressure Sensor Circuit Low (Bank 1)
P2433	AIR System Air Flow/Pressure Sensor Circuit High (Bank 1)
P2434	AIR System Air Flow/Pressure Sensor Circuit Intermittent/Erratic (Bank 1)
P2435	AIR System Air Flow/Pressure Sensor Circuit (Bank 2)
P2436	AIR System Air Flow/Pressure Sensor Circuit Range/Performance (Bank 2)
P2437	AIR System Air Flow/Pressure Sensor Circuit Low (Bank 2)
P2438	AIR System Air Flow/Pressure Sensor Circuit High (Bank 2)
P2439	AIR System Air Flow/Pressure Sensor Circuit Intermittent/Erratic (Bank 2)
P243A	Particulate Filter Restriction - Ash Accumulation, Bank 2
P243B	Particulate Filter Restriction - Forced Limited Power (Bank 2)
P243C	Particulate Filter Regeneration Frequency, Bank 2
P243D	Particulate Filter Regeneration Duration, Bank 2
P243E	Particulate Filter Regeneration Incomplete, Bank 2
P243F	Particulate Filter Restriction - Soot Accumulation Too High, Bank 2
P2440	AIR System Switching Valve Stuck Open (Bank 1)
P2441	AIR System Switching Valve Stuck Closed (Bank 1)
P2442	AIR System Switching Valve Stuck Open (Bank 2)
P2443	AIR System Switching Valve Stuck Closed (Bank 2)
P2444	AIR System Pump Stuck On (Bank 1)
P2445	AIR System Pump Stuck Off (Bank 1)
P2446	AIR System Pump Stuck On (Bank 2)
P2447	AIR System Pump Stuck Off (Bank 2)
P2448	AIR System High Air Flow (Bank 1)
P2449	AIR System High Air Flow (Bank 2)
P244A	Particulate Filter Differential Pressure Too Low (Bank 1)
P244B	Particulate Filter Differential Pressure Too High (Bank 1)
P244C	Exhaust Temperature Too Low For Particulate Filter Regeneration (Bank 1)
P244D	Exhaust Temperature Too High For Particulate Filter Regeneration (Bank 1)
P244E	Exhaust Temperature Too Low For Particulate Filter Regeneration (Bank 2)
P244F	Exhaust Temperature Too High For Particulate Filter Regeneration (Bank 2)
P2450	EVAP System Switching Valve Performance/Stuck Open
P2451	EVAP System Switching Valve Stuck Closed
P2452	Particulate Filter Pressure Sensor 'A' Circuit
P2453	Particulate Filter Pressure Sensor 'A' Circuit Range/Performance
P2454	Particulate Filter Pressure Sensor 'A' Circuit Low
P2455	Particulate Filter Pressure Sensor 'A' Circuit High
P2456	Particulate Filter Pressure Sensor 'A' Circuit Intermittent/Erratic
P2457	EGR Cooler 'A' Efficiency Below Threshold
P2458	Particulate Filter Regeneration Duration (Bank 1)
P2459	Particulate Filter Regeneration Frequency (Bank 1)
P245A	EGR Cooler Bypass Control Circuit/Open (Bank 1)
P245B	EGR Cooler Bypass Control Circuit Range/Performance (Bank 1)
P245C	EGR Cooler Bypass Control Circuit Low (Bank 1)
P245D	EGR Cooler Bypass Control Circuit High (Bank 1)

P245E	Particulate Filter Pressure Sensor 'B' Circuit
P245F	Particulate Filter Pressure Sensor 'B' Circuit Range/Performance
P2460	Particulate Filter Pressure Sensor 'B' Circuit Low
P2461	Particulate Filter Pressure Sensor 'B' Circuit High
P2462	Particulate Filter Pressure Sensor 'B' Circuit Intermittent/Erratic
P2463	Particulate Filter Restriction - Soot Accumulation (Bank 1)
P2464	Particulate Filter Differential Pressure Too Low (Bank 2)
P2465	Particulate Filter Differential Pressure Too High (Bank 2)
P2466	Exhaust Gas Temperature Sensor Circuit (Bank 2 Sensor 3)
P2467	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 2 Sensor 3)
P2468	Exhaust Gas Temperature Sensor Circuit Low (Bank 2 Sensor 3)
P2469	Exhaust Gas Temperature Sensor Circuit High (Bank 2 Sensor 3)
P246A	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic (Bank 2 Sensor 3)
P246B	Vehicle Conditions Incorrect for Particulate Filter Regeneration
P246C	Particulate Filter Restriction - Forced Limited Power (Bank 1)
P246D	Particulate Filter Pressure Sensor 'A'/'B' Correlation
P246E	Exhaust Gas Temperature Sensor Circuit (Bank 1 Sensor 4)
P246F	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 1 Sensor 4)
P2470	Exhaust Gas Temperature Sensor Circuit Low (Bank 1 Sensor 4)
P2471	Exhaust Gas Temperature Sensor Circuit High (Bank 1 Sensor 4)
P2472	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic (Bank 1 Sensor 4)
P2473	Exhaust Gas Temperature Sensor Circuit (Bank 2 Sensor 4)
P2474	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 2 Sensor 4)
P2475	Exhaust Gas Temperature Sensor Circuit Low (Bank 2 Sensor 4)
P2476	Exhaust Gas Temperature Sensor Circuit High (Bank 2 Sensor 4)
P2477	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic (Bank 2 Sensor 4)
P2478	Exhaust Gas Temperature Out of Range (Bank 1 Sensor 1)
P2479	Exhaust Gas Temperature Out of Range (Bank 1 Sensor 2)
P247A	Exhaust Gas Temperature Out of Range (Bank 1 Sensor 3)
P247B	Exhaust Gas Temperature Out of Range (Bank 1 Sensor 4)
P247C	Exhaust Gas Temperature Out of Range (Bank 2 Sensor 1)
P247D	Exhaust Gas Temperature Out of Range (Bank 2 Sensor 2)
P247E	Exhaust Gas Temperature Out of Range (Bank 2 Sensor 3)
P247F	Exhaust Gas Temperature Out of Range (Bank 2 Sensor 4)
P2480	Exhaust Gas Temperature Sensor Circuit/Open (Bank 1 Sensor 5)
P2481	Exhaust Gas Temperature Sensor Circuit Low (Bank 1 Sensor 5)
P2482	Exhaust Gas Temperature Sensor Circuit High (Bank 1 Sensor 5)
P2483	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 1 Sensor 5)
P2484	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic (Bank 1 Sensor 5)
P2485	Exhaust Gas Temperature Sensor Circuit/Open (Bank 2 Sensor 5)
P2486	Exhaust Gas Temperature Sensor Circuit Low (Bank 2 Sensor 5)
P2487	Exhaust Gas Temperature Sensor Circuit High (Bank 2 Sensor 5)
P2488	Exhaust Gas Temperature Sensor Circuit Range/Performance (Bank 2 Sensor 5)
P2489	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic (Bank 2 Sensor 5)
P248A	Reductant Heater 'A' Sense Circuit Low
P248B	Reductant Heater 'A' Sense Circuit High
P248C	Reductant Heater 'B' Sense Circuit Low
P248D	Reductant Heater 'B' Sense Circuit High
P248E	EGR Cooler Bypass Control Circuit/Open (Bank 2)
P248F	EGR Cooler Bypass Control Circuit Range/Performance (Bank 2)
P2490	EGR Cooler Bypass Control Circuit Low (Bank 2)
P2491	EGR Cooler Bypass Control Circuit High (Bank 2)
P2492	EGR Cooler Bypass Position Sensor Circuit (Bank 1)

P2493	EGR Cooler Bypass Position Sensor Range/Performance (Bank 1)
P2494	EGR Cooler Bypass Position Sensor Circuit Low (Bank 1)
P2495	EGR Cooler Bypass Position Sensor Circuit High (Bank 1)
P2496	EGR Cooler Bypass Position Sensor Circuit Intermittent/Erratic (Bank 1)
P2497	EGR Cooler Bypass Position Sensor Circuit (Bank 2)
P2498	EGR Cooler Bypass Position Sensor Range/Performance (Bank 2)
P2499	EGR Cooler Bypass Position Sensor Circuit Low (Bank 2)
P249A	EGR Cooler Bypass Position Sensor Circuit High (Bank 2)
P249B	EGR Cooler Bypass Position Sensor Circuit Intermittent/Erratic (Bank 2)
P249C	Excessive Time To Enter Closed Loop Reductant Injection Control
P249D	Closed Loop Reductant Injection Control At Limit - Flow Too Low
P249E	Closed Loop Reductant Injection Control At Limit - Flow Too High
P249F	Excessive Time To Enter Closed Loop Particulate Filter Regeneration Control
P24A0	Closed Loop Particulate Filter Regeneration Control At Limit - Temperature Too Low
P24A1	Closed Loop Particulate Filter Regeneration Control At Limit - Temperature Too High
P24A2	Particulate Filter Regeneration Incomplete (Bank 1)
P24A3	Particulate Filter Restriction - Soot Accumulation Bank 2
P24A4	Particulate Filter Restriction - Soot Accumulation Too High, Bank 1
P24A5	EGR Cooler Bypass Control Stuck/Open Bank 1
P24A6	EGR Cooler Bypass Control Stuck/Open Bank 2
P24A7	EGR Cooler Coolant Pump Control Circuit/Open
P24A8	EGR Cooler Coolant Pump Performance/Stuck Off
P24A9	EGR Cooler Coolant Pump Control Circuit Low
P24AA	EGR Cooler Coolant Pump Control Circuit High
P24AB	EGR Cooler Coolant Pump Stuck On
P24AC	EGR Cooler Coolant Pump Feedback Circuit Low
P24AD	EGR Cooler Coolant Pump Feedback Circuit High
P24AE	Particulate Matter Sensor Circuit
P24AF	Particulate Matter Sensor Circuit Range/Performance
P24B0	Particulate Matter Sensor Circuit Low
P24B1	Particulate Matter Sensor Circuit High
P24B2	Particulate Matter Sensor Circuit Intermittent
P24B3	Particulate Matter Sensor Heater Control Circuit/Open
P24B4	Particulate Matter Sensor Heater Control Circuit Range/Performance
P24B5	Particulate Matter Sensor Heater Control Circuit Low
P24B6	Particulate Matter Sensor Heater Control Circuit High
P24B7	Particulate Matter Sensor Heater Resistance
P24B8	EVAP System Leak Detection Pump Pressure Sensor Circuit
P24B9	EVAP System Leak Detection Pump Pressure Sensor Circuit Range/Performance
P24BA	EVAP System Leak Detection Pump Pressure Sensor Circuit Low
P24BB	EVAP System Leak Detection Pump Pressure Sensor Circuit High
P24BC	EVAP System Leak Detection Pump Pressure Sensor Circuit Intermittent
P24BD	EVAP System Leak Detection Pump Switching Valve Control Circuit/Open
P24BE	EVAP System Leak Detection Pump Switching Valve Control Circuit Low
P24BF	EVAP System Leak Detection Pump Switching Valve Control Circuit High
P24C0	EVAP System Leak Detection Pump Switching Valve Stuck On
P24C1	EVAP System Leak Detection Pump Switching Valve Performance/Stuck Off
P24C2	Exhaust Gas Temperature Measurement System - Multiple Sensor Correlation Bank 1
P24C3	Exhaust Gas Temperature Measurement System - Multiple Sensor Correlation Bank 2
P24C4	EGR Cooler Bypass Position Sensor Exceeded Learning Limit Bank 1
P24C5	EGR Cooler Bypass Position Sensor Exceeded Learning Limit Bank 2
P24C6	Particulate Matter Sensor Temperature Circuit
P24C7	Particulate Matter Sensor Temperature Circuit Range/Performance

P24C8	Particulate Matter Sensor Temperature Circuit Low
P24C9	Particulate Matter Sensor Temperature Circuit High
P24CA	Particulate Matter Sensor Temperature Circuit Intermittent
P24CB	Reductant Tank Cap Switch Circuit
P24CC	Reductant Tank Cap Switch Circuit Range/Performance
P24CD	Reductant Tank Cap Switch Circuit Low
P24CE	Reductant Tank Cap Switch Circuit High
P24CF	Reductant Tank Cap Switch Circuit Intermittent/Erratic
P24D0	Particulate Matter Sensor Supply Voltage Circuit Low
P24D1	Particulate Matter Sensor Regeneration Incomplete
P24D2	Reductant Heater 'A' Sense Circuit
P24D3	Reductant Heater 'B' Sense Circuit
P24D4	EGR Cooler Coolant Pump Feedback Circuit
P24D5	EVAP System Pressure Sensor/Switch 'B' Circuit
P24D6	EVAP System Pressure Sensor/Switch 'B' Circuit Range/Performance
P24D7	EVAP System Pressure Sensor/Switch 'B' Circuit Low
P24D8	EVAP System Pressure Sensor/Switch 'B' Circuit High
P24D9	EVAP System Pressure Sensor/Switch 'B' Circuit Intermittent
P24DA	Particulate Matter Sensor Exhaust Sample Error Bank 1
P24DB	Reductant Purge Control Valve 'B' Circuit /Open
P24DC	Reductant Purge Control Valve 'B' Performance
P24DD	Reductant Purge Control Valve 'B' Circuit Low
P24DE	Reductant Purge Control Valve 'B' Circuit High
P24DF	Reductant Purge Control Valve 'B' Stuck Open
P24E0	Reductant Purge Control Valve 'B' Stuck Closed
P24E1	NH3 Sensor Circuit
P24E2	NH3 Sensor Circuit Range/Performance
P24E3	NH3 Sensor Circuit Low
P24E4	NH3 Sensor Circuit High
P24E5	NH3 Sensor Circuit Intermittent/Erratic
P24E6	NH3 Sensor Heater Circuit/Open
P24E7	NH3 Sensor Heater Circuit Low
P24E8	NH3 Sensor Heater Circuit High
P24E9	NH3 Sensor Heater Circuit Performance
P24EA	NH3 Sensor Supply Voltage Circuit
P24EB	NH3 Sensor Supply Voltage Circuit Low
P24EC	NH3 Sensor Supply Voltage Circuit High
P24ED	NH3 Sensor Calibration Memory
P24EE	NH3 Sensor Processor Performance
P24EF	Control Module Wake-up Circuit/Open
P24F0	Control Module Wake-up Circuit Low
P24F1	Control Module Wake-up Circuit High
P24F2	EGR Temperature/Charge Air Cooler Temperature Correlation
P24F3	Reductant Tank Temperature/Fuel Temperature Correlation
P24F4	NOx Sensor Delayed Response - High to Low Bank 1 Sensor 1
P24F5	NOx Sensor Delayed Response - High to Low Bank 1 Sensor 2
P24F6	Exhaust Aftertreatment Fuel Air Purge Valve Stuck Open
P24F7	Exhaust Aftertreatment Fuel Air Purge Valve Stuck Closed
P24F8	Exhaust Aftertreatment Fuel Air Purge Valve Control Circuit
P24F9	Exhaust Aftertreatment Fuel Air Purge Valve Control Circuit Range/Performance
P24FA	Exhaust Aftertreatment Fuel Air Purge Valve Control Circuit Low
P24FB	Exhaust Aftertreatment Fuel Air Purge Valve Control Circuit High
P24FC	Particulate Matter Sensor Heater Control Circuit Driver Current/Temperature Too High

P24FD	Particulate Filter Incorrect
P24FE	SCR Catalyst Incorrect
P24FF	Reductant Temperature Too High
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 Sensor 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 'A' Circuit
P2553	Throttle/Fuel Inhibit 'A' Circuit Range/Performance
P2554	Throttle/Fuel Inhibit 'A' Circuit Low
P2555	Throttle/Fuel Inhibit 'A' Circuit High
P2556	Engine Coolant Level Sensor/Switch Circuit
P2557	Engine Coolant Level Sensor/Switch Circuit Range/Performance
P2558	Engine Coolant Level Sensor/Switch Circuit Low
P2559	Engine Coolant Level Sensor/Switch Circuit High
P255A	PTO Speed Selector Sensor/Switch 2 Circuit/Open
P255B	PTO Speed Selector Sensor/Switch 2 Range/Performance
P255C	PTO Speed Selector Sensor/Switch 2 Circuit Low
P255D	PTO Speed Selector Sensor/Switch 2 Circuit High
P255E	PTO Speed Selector Sensor/Switch 2 Circuit Intermittent/Erratic
P255F	A/C Request 'A' Circuit Range/Performance
P2560	Engine Coolant Level Low
P2561	A/C Control Module Requested MIL Illumination
P2562	Turbocharger Boost Control Position Sensor 'A' Circuit
P2563	Turbocharger Boost Control Position Sensor 'A' Circuit Range/Performance
P2564	Turbocharger Boost Control Position Sensor 'A' Circuit Low
P2565	Turbocharger Boost Control Position Sensor 'A' Circuit High
P2566	Turbocharger Boost Control Position Sensor 'A' Circuit Intermittent

P2567	Direct Ozone Reduction Catalyst Temperature Sensor Circuit
P2568	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Range/Performance
P2569	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Low
P256A	Engine Idle Speed Selector Sensor/Switch Circuit/Open
P256B	Engine Idle Speed Selector Sensor/Switch Range/Performance
P256C	Engine Idle Speed Selector Sensor/Switch Circuit Low
P256D	Engine Idle Speed Selector Sensor/Switch Circuit High
P256E	Engine Idle Speed Selector Sensor/Switch Circuit Intermittent/Erratic
P256F	A/C Request 'B' Circuit Range/Performance
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/Supercharger Speed Sensor 'A' Circuit
P2579	Turbocharger/Supercharger Speed Sensor 'A' Circuit Range/Performance
P257A	Vacuum Reservoir Control Circuit/Open
P257B	Vacuum Reservoir Control Circuit Low
P257C	Vacuum Reservoir Control Circuit High
P257D	Engine Hood Switch Circuit Range/Performance
P257E	Engine Hood Switch Circuit Low
P257F	Engine Hood Switch Circuit High
P2580	Turbocharger/Supercharger Speed Sensor 'A' Circuit Low
P2581	Turbocharger/Supercharger Speed Sensor 'A' Circuit High
P2582	Turbocharger/Supercharger Speed Sensor 'A' Circuit Intermittent
P2583	Cruise Control Front Distance Range Sensor Single Sensor or Center
P2584	Fuel Additive Control Module Requested MIL Illumination
P2585	Fuel Additive Control Module Warning Lamp Request
P2586	Turbocharger Boost Control Position Sensor 'B' Circuit
P2587	Turbocharger Boost Control Position Sensor 'B' Circuit Range/Performance
P2588	Turbocharger Boost Control Position Sensor 'B' Circuit Low
P2589	Turbocharger Boost Control Position Sensor 'B' Circuit High
P258A	Vacuum Pump Control Circuit 'A'/Open
P258B	Vacuum Pump Control Circuit 'A' Range/Performance
P258C	Vacuum Pump Control Circuit 'A' Low
P258D	Vacuum Pump Control Circuit 'A' High
P258E	PTO Enable Switch Performance
P258F	Torque Management Request Output Signal
P2590	Turbocharger Boost Control Position Sensor 'B' Circuit Intermittent/Erratic
P2591	Cruise Control Front Distance Range Sensor (Left)
P2592	Cruise Control Front Distance Range Sensor (Right)
P2593	Turbocharger Speed Sensor 'B' Circuit
P2594	Turbocharger Speed Sensor 'B' Circuit Range/Performance
P2595	Turbocharger Speed Sensor 'B' Circuit Low
P2596	Turbocharger Speed Sensor 'B' Circuit High
P2597	Turbocharger Speed Sensor 'B' Circuit Intermittent
P2598	Turbocharger Boost Control Position Sensor 'A' Performance - Stuck Low
P2599	Turbocharger Boost Control Position Sensor 'A' Performance - Stuck High
P259A	Turbocharger Boost Control Position Sensor 'B' Performance - Stuck Low
P259B	Turbocharger Boost Control Position Sensor 'B' Performance - Stuck High

P259C	Excessive Time To Enter Closed Loop Turbocharger 'A' Boost Control
P259D	Excessive Time To Enter Closed Loop Turbocharger 'B' Boost Control
P259E	Turbocharger 'A' Boost Control Position At Low Limit
P259F	Turbocharger 'A' Boost Control Position At High Limit
P25A0	Turbocharger 'B' Boost Control Position At Low Limit
P25A1	Turbocharger 'B' Boost Control Position At High Limit
P25A2	Brake System Control Module 'A' Requested MIL Illumination
P25A3	Engine Hood Open
P25A4	Fuel Mode Select Switch Circuit
P25A5	Fuel Mode Select Switch Performance
P25A6	Fuel Mode Select Switch Circuit Low
P25A7	Fuel Mode Select Switch Circuit High
P25A8	Fuel Mode Select Switch Circuit Intermittent/Erratic
P25A9	Piston Cooling Oil Control Circuit/Open
P25AA	Piston Cooling Oil Control Circuit Low
P25AB	Piston Cooling Oil Control Circuit High
P25AC	Piston Cooling Oil Control Circuit Performance/Stuck Off
P25AD	Piston Cooling Oil Control Circuit Stuck On
P25AE	Piston Cooling Oil Pressure Too Low
P25AF	Coolant Temperature Control Module Requested MIL Illumination
P25B0	Fuel Level Sensor 'A' Stuck
P25B1	Fuel Level Sensor 'B' Stuck
P25B2	Fuel Level Sensor 'A' or 'B' Stuck
P25B3	Turbocharger/Supercharger Wastegate 'A' Stuck Open
P25B4	Turbocharger/Supercharger Wastegate 'A' Stuck Closed
P25B5	Turbocharger/Supercharger Wastegate 'B' Stuck Open
P25B6	Turbocharger/Supercharger Wastegate 'B' Stuck Closed
P25B7	Auxiliary Ignition Switch Run/Start Position Circuit
P25B8	Auxiliary Ignition Switch Run/Start Position Circuit Low
P25B9	Auxiliary Ignition Switch Run/Start Position Circuit High
P25BA	Regeneration Control Switch Circuit/Open
P25BB	Regeneration Control Switch Circuit Low
P25BC	Regeneration Control Switch Circuit High
P25BD	Unmetered Fuel - Forced Engine Shutdown
P25BE	Alternative Fuel Disable Control Circuit/Open
P25BF	Alternative Fuel Disable Control Circuit High
P25C0	Alternative Fuel Disable Control Circuit Low
P25C1	Alternative Fuel Disable Signal Circuit/Open
P25C2	Alternative Fuel Disable Signal Circuit High
P25C3	Alternative Fuel Disable Signal Circuit Low
P25C4	Brake Booster Temperature Sensor 'A' Circuit
P25C5	Brake Booster Temperature Sensor 'A' Circuit Range/Performance
P25C6	Brake Booster Temperature Sensor 'A' Circuit Low
P25C7	Brake Booster Temperature Sensor 'A' Circuit High
P25C8	Brake Booster Temperature Sensor 'A' Circuit Intermittent/Erratic
P25C9	Brake System Control Module 'B' Requested MIL Illumination
P25CA	Intake Camshaft Actuator Park Lock Control Circuit/Open Bank 1
P25CB	Intake Camshaft Actuator Park Lock Control Circuit Low Bank 1
P25CC	Intake Camshaft Actuator Park Lock Control Circuit High Bank 1
P25CD	Intake Camshaft Actuator Park Lock Control Circuit/Open Bank 2
P25CE	Intake Camshaft Actuator Park Lock Control Circuit Low Bank 2
P25CF	Intake Camshaft Actuator Park Lock Control Circuit High Bank 2
P25D0	Exhaust Camshaft Actuator Park Lock Control Circuit/Open Bank 1

P25D1	Exhaust Camshaft Actuator Park Lock Control Circuit Low Bank 1
P25D2	Exhaust Camshaft Actuator Park Lock Control Circuit High Bank 1
P25D3	Exhaust Camshaft Actuator Park Lock Control Circuit/Open Bank 2
P25D4	Exhaust Camshaft Actuator Park Lock Control Circuit Low Bank 2
P25D5	Exhaust Camshaft Actuator Park Lock Control Circuit High Bank 2
P25D6	Exhaust Heat Exchanger Exhaust Bypass Valve Position Sensor Stop Performance
P25D7	Fuel Level Sensor 'C' Circuit
P25D8	Fuel Level Sensor 'C' Performance
P25D9	Fuel Level Sensor 'C' Circuit Low
P25DA	Fuel Level Sensor 'C' Circuit High
P25DB	Fuel Level Sensor 'C' Circuit Intermittent
P25DC	Fuel Level Sensor 'C' Stuck
P25DD	'A' Camshaft Position - Stuck In Locked Position Bank 1
P25DE	'A' Camshaft Position - Unable to Achieve Locked Position Bank 1
P25DF	'A' Camshaft Position Control Performance Bank 1
P25E0	'A' Camshaft Position - Stuck In Locked Position Bank 2
P25E1	'A' Camshaft Position - Unable to Achieve Locked Position Bank 2
P25E2	'A' Camshaft Position Control Performance Bank 2
P25E3	'B' Camshaft Position - Stuck In Locked Position Bank 1
P25E4	'B' Camshaft Position - Unable to Achieve Locked Position Bank 1
P25E5	'B' Camshaft Position Control Performance Bank 1
P25E6	'B' Camshaft Position - Stuck In Locked Position Bank 2
P25E7	'B' Camshaft Position - Unable to Achieve Locked Position Bank 2
P25E8	'B' Camshaft Position Control Performance Bank 2
P25E9	Supercharger Disconnect Clutch Stuck Open
P25EA	Supercharger Disconnect Clutch Stuck Closed
P25EB	Supercharger Disconnect Clutch Circuit Range/Performance
P25EC	Supercharger Disconnect Clutch Circuit Low
P25ED	Supercharger Disconnect Clutch Circuit High
P25EE	Vacuum Pump Control Circuit 'B'/Open
P25EF	Vacuum Pump Control Circuit 'B' Range/Performance
P25F0	Vacuum Pump Control Circuit 'B' Low
P25F1	Vacuum Pump Control Circuit 'B' High
P25F2	Turbocharger/Supercharger Boost Sensor 'C' Circuit
P25F3	Turbocharger/Supercharger Boost Sensor 'C' Circuit Range/Performance
P25F4	Turbocharger/Supercharger Boost Sensor 'C' Circuit Low
P25F5	Turbocharger/Supercharger Boost Sensor 'C' Circuit High
P25F6	AIR System 'B'
P25F7	AIR System 'B' Incorrect Flow Detected
P25F8	Turbocharger/Supercharger Bypass Valve 'C' Control Circuit
P25F9	Turbocharger/Supercharger Bypass Valve 'C' Control Circuit Low
P25FA	Turbocharger/Supercharger Bypass Valve 'C' Control Circuit High
P25FB	Turbocharger/Supercharger Bypass Valve 'C' Control Circuit Range/Performance
P25FC	Turbocharger/Supercharger Bypass Valve 'C' Mechanical
P25FD	Turbocharger/Supercharger Bypass Valve 'C' Temperature Too High
P2600	Coolant Pump 'A' Control Circuit/Open
P2601	Coolant Pump 'A' Control Circuit Performance/Stuck Off
P2602	Coolant Pump 'A' Control Circuit Low
P2603	Coolant Pump 'A' Control Circuit High
P2604	Intake Air Heater 'A' Circuit Range/Performance
P2605	Intake Air Heater 'B' 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	Particulate Filter Regeneration Lamp Control Circuit
P260F	EVAP System Monitoring Processor Performance
P2610	ECM/PCM 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
P261A	Coolant Pump 'B' Control Circuit/Open
P261B	Coolant Pump 'B' Control Circuit Performance/Stuck Off
P261C	Coolant Pump 'B' Control Circuit Low
P261D	Coolant Pump 'B' Control Circuit High
P261E	Coolant Pump 'B' Control Circuit Stuck On
P261F	Coolant Pump 'A' Control Circuit Stuck On
P2620	Throttle Position Output Circuit/Open
P2621	Throttle Position Output Circuit Low
P2622	Throttle Position Output Circuit High
P2623	Injector Control Pressure Regulator Circuit/Open
P2624	Injector Control Pressure Regulator Circuit Low
P2625	Injector Control Pressure Regulator Circuit High
P2626	O2 Sensor Pumping Current Trim Circuit/Open (Bank 1 Sensor 1)
P2627	O2 Sensor Pumping Current Trim Circuit Low (Bank 1 Sensor 1)
P2628	O2 Sensor Pumping Current Trim Circuit High (Bank 1 Sensor 1)
P2629	O2 Sensor Pumping Current Trim Circuit/Open (Bank 2 Sensor 1)
P262A	Fuel Injector - Pilot Injection Not Learned
P262B	Control Module Power Off Timer Performance
P262C	Sensor Reference Voltage 'G' Circuit/Open
P262D	Sensor Reference Voltage 'G' Circuit Low
P262E	Sensor Reference Voltage 'G' Circuit High
P262F	Sensor Reference Voltage 'G' Circuit Range/Performance
P2630	O2 Sensor Pumping Current Trim Circuit Low (Bank 2 Sensor 1)
P2631	O2 Sensor Pumping Current Trim Circuit High (Bank 2 Sensor 1)
P2632	Fuel Pump 'B' Control Circuit/Open
P2633	Fuel Pump 'B' Control Circuit Low
P2634	Fuel Pump 'B' Control Circuit High
P2635	Fuel Pump 'A' Low Flow / Performance
P2636	Fuel Pump 'B' Low Flow / Performance
P2637	Torque Management Feedback Signal 'A'
P2638	Torque Management Feedback Signal 'A' Range/Performance
P2639	Torque Management Feedback Signal 'A' Low
P263A	MIL Control Circuit Low
P263B	MIL Control Circuit High
P263C	Glow Plug Control Driver Performance

P263D	Reductant Heater Driver Performance
P263E	Glow Plug Control Module 1 Over Temperature
P263F	Glow Plug Control Module 2 Over Temperature
P2640	Torque Management Feedback Signal 'A' High
P2641	Torque Management Feedback Signal 'B'
P2642	Torque Management Feedback Signal 'B' Range/Performance
P2643	Torque Management Feedback Signal 'B' Low
P2644	Torque Management Feedback Signal 'B' High
P2645	'A' Rocker Arm Actuator Control Circuit/Open (Bank 1)
P2646	'A' Rocker Arm Actuator System Performance/Stuck Off (Bank 1)
P2647	'A' Rocker Arm Actuator System Stuck On (Bank 1)
P2648	'A' Rocker Arm Actuator Control Circuit Low (Bank 1)
P2649	'A' Rocker Arm Actuator Control Circuit High (Bank 1)
P264A	'A' Rocker Arm Actuator Position Sensor Circuit (Bank 1)
P264B	'A' Rocker Arm Actuator Position Sensor Circuit Range/Performance (Bank 1)
P264C	'A' Rocker Arm Actuator Position Sensor Circuit Low (Bank 1)
P264D	'A' Rocker Arm Actuator Position Sensor Circuit High (Bank 1)
P264E	'A' Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic (Bank 1)
P264F	Engine Serial Number Not Programmed or Incompatible
P2650	'B' Rocker Arm Actuator Control Circuit/Open (Bank 1)
P2651	'B' Rocker Arm Actuator System Performance/Stuck Off (Bank 1)
P2652	'B' Rocker Arm Actuator System Stuck On (Bank 1)
P2653	'B' Rocker Arm Actuator Control Circuit Low (Bank 1)
P2654	'B' Rocker Arm Actuator Control Circuit High (Bank 1)
P2655	'A' Rocker Arm Actuator Control Circuit/Open (Bank 2)
P2656	'A' Rocker Arm Actuator System Performance/Stuck Off (Bank 2)
P2657	'A' Rocker Arm Actuator System Stuck On (Bank 2)
P2658	'A' Rocker Arm Actuator Control Circuit Low (Bank 2)
P2659	'A' Rocker Arm Actuator Control Circuit High (Bank 2)
P265A	'B' Rocker Arm Actuator Position Sensor Circuit (Bank 1)
P265B	'B' Rocker Arm Actuator Position Sensor Circuit Range/Performance (Bank 1)
P265C	'B' Rocker Arm Actuator Position Sensor Circuit Low (Bank 1)
P265D	'B' Rocker Arm Actuator Position Sensor Circuit High (Bank 1)
P265E	'B' Rocker Arm Actuator Position Sensor Circuit Intermittent/Erratic (Bank 1)
P265F	Variable A/C Compressor Control Circuit Range/Performance
P2660	'B' Rocker Arm Actuator Control Circuit/Open (Bank 2)
P2661	'B' Rocker Arm Actuator System Performance/Stuck Off (Bank 2)
P2662	'B' Rocker Arm Actuator System Stuck On (Bank 2)
P2663	'B' Rocker Arm Actuator Control Circuit Low (Bank 2)
P2664	'B' Rocker Arm Actuator Control Circuit High (Bank 2)
P2665	Fuel Shutoff Valve 'B' Control Circuit/Open
P2666	Fuel Shutoff Valve 'B' Control Circuit Low
P2667	Fuel Shutoff Valve 'B' Control Circuit High
P2668	Fuel Mode Indicator Lamp Control Circuit/Open
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	A/C Refrigerant Distribution Valve Control Circuit Driver Current/Temperature Too High
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	Control Module Internal Temperature Sensor 'A' Circuit Intermittent/Erratic
P2680	Coolant Degassing Valve Control Circuit High
P2681	Engine Coolant Bypass Valve 'A' Control Circuit/Open
P2682	Engine Coolant Bypass Valve 'A' Control Circuit Low
P2683	Engine Coolant Bypass Valve 'A' Control Circuit High
P2684	Actuator Supply Voltage 'C' Circuit/Open
P2685	Actuator Supply Voltage 'C' Circuit Low
P2686	Actuator Supply Voltage 'C' Circuit High
P2687	Fuel Supply Heater Control Circuit/Open
P2688	Fuel Supply Heater Control Circuit Low
P2689	Fuel Supply Heater Control Circuit High
P268A	Fuel Injector Calibration Not Learned/Programmed
P268B	High Pressure Fuel Pump Calibration Not Learned/Programmed
P268C	Cylinder 1 Injector Data Incompatible
P268D	Cylinder 2 Injector Data Incompatible
P268E	Cylinder 3 Injector Data Incompatible
P268F	Cylinder 4 Injector Data Incompatible
P2690	Cylinder 5 Injector Data Incompatible
P2691	Cylinder 6 Injector Data Incompatible
P2692	Cylinder 7 Injector Data Incompatible
P2693	Cylinder 8 Injector Data Incompatible
P2694	Cylinder 9 Injector Data Incompatible
P2695	Cylinder 10 Injector Data Incompatible
P2696	Injector Data Incompatible
P2697	Exhaust Aftertreatment Fuel Injector 'A' Circuit/Open
P2698	Exhaust Aftertreatment Fuel Injector 'A' Performance
P2699	Exhaust Aftertreatment Fuel Injector 'A' Circuit Low
P269A	Exhaust Aftertreatment Fuel Injector 'A' Circuit High
P269B	Exhaust Aftertreatment Glow Plug Control Circuit/Open
P269C	Exhaust Aftertreatment Glow Plug Control Performance
P269D	Exhaust Aftertreatment Glow Plug Control Circuit Low
P269E	Exhaust Aftertreatment Glow Plug Control Circuit High
P269F	Exhaust Aftertreatment Glow Plug Circuit/Open
P26A0	Exhaust Aftertreatment Glow Plug Performance
P26A1	Exhaust Aftertreatment Glow Plug Circuit Low
P26A2	Exhaust Aftertreatment Glow Plug Circuit High
P26A3	Engine Coolant Bypass Valve 'A' Range/Performance
P26A4	Engine Coolant Bypass Valve 'A' Position Sensor Circuit
P26A5	Engine Coolant Bypass Valve 'A' Position Sensor Circuit Range/Performance
P26A6	Engine Coolant Bypass Valve 'A' Position Sensor Circuit Low

P26A7	Engine Coolant Bypass Valve 'A' Position Sensor Circuit High
P26A8	Engine Coolant Bypass Valve 'A' Position Sensor Circuit Intermittent/Erratic
P26A9	Engine Coolant Bypass Valve 'A' Position Sensor Minimum Stop Performance
P26AA	Engine Coolant Bypass Valve 'A' Position Sensor Maximum Stop Performance
P26AB	Engine Coolant Bypass Valve 'A' Stuck/Open
P26AC	Engine Coolant Bypass Valve 'B' Control Circuit/Open
P26AD	Engine Coolant Bypass Valve 'B' Control Circuit Low
P26AE	Engine Coolant Bypass Valve 'B' Control Circuit High
P26AF	Engine Coolant Bypass Valve 'B' Stuck/Open
P26B0	Engine Coolant Bypass Valve 'B' Range/Performance
P26B1	Engine Coolant Bypass Valve 'A' Stuck Closed
P26B2	Engine Coolant Bypass Valve 'B' Stuck Closed
P26B3	Fuel Shutoff Valve 'A' Control Circuit Performance/Stuck Off
P26B4	Fuel Shutoff Valve 'A' Control Circuit Stuck On
P26B5	Fuel Shutoff Valve 'B' Control Circuit Performance/Stuck Off
P26B6	Fuel Shutoff Valve 'B' Control Circuit Stuck On
P26B7	Engine Coolant Bypass Valve 'C' Control Circuit/Open
P26B8	Engine Coolant Bypass Valve 'C' Control Circuit Low
P26B9	Engine Coolant Bypass Valve 'C' Control Circuit High
P26BA	Engine Coolant Bypass Valve 'C' Stuck/Open
P26BB	Engine Coolant Bypass Valve 'C' Range/Performance
P26BC	Engine Coolant Bypass Valve 'C' Control Stuck Closed
P26BD	Engine Coolant Bypass Valve 'D' Control Circuit/Open
P26BE	Engine Coolant Bypass Valve 'D' Control Circuit Low
P26BF	Engine Coolant Bypass Valve 'D' Control Circuit High
P26C0	Engine Coolant Bypass Valve 'D' Stuck/Open
P26C1	Engine Coolant Bypass Valve 'D' Range/Performance
P26C2	Engine Coolant Bypass Valve 'D' Stuck Closed
P26C3	Internal Control Module Transmission Range Sensor Performance
P26C4	Internal Control Module Clutch Pedal Performance
P26C5	Exhaust Flow Control Valve 'A' Control Circuit/Open
P26C6	Exhaust Flow Control Valve 'A' Control Circuit Low
P26C7	Exhaust Flow Control Valve 'A' Control Circuit High
P26C8	Chassis Control Module 1 Requested MIL Illumination
P26C9	Chassis Control Module 2 Requested MIL Illumination
P26CA	Engine Coolant Pump Control Circuit/Open
P26CB	Engine Coolant Pump Performance/Stuck Off
P26CC	Engine Coolant Pump Control Circuit Low
P26CD	Engine Coolant Pump Control Circuit High
P26CE	Engine Coolant Pump Overspeed
P26CF	Engine Coolant Pump Control Module System Voltage
P26D0	Engine Coolant Pump Control Module System Voltage Low
P26D1	Engine Coolant Pump Control Module System Voltage High
P26D2	Engine Coolant Pump Control Module Over Temperature
P26D3	Engine Coolant Pump Supply Voltage Circuit
P26D4	Engine Coolant Pump Supply Voltage Circuit Low
P26D5	Engine Coolant Pump Supply Voltage Circuit High
P26D6	Engine Coolant Pump Clutch Control Circuit/Open
P26D7	Engine Coolant Pump Clutch Performance/Stuck Off
P26D8	Engine Coolant Pump Clutch Stuck On
P26D9	Engine Coolant Pump Clutch Control Circuit Low
P26DA	Engine Coolant Pump Clutch Control Circuit High
P26DB	Engine Sound Control 'A' Circuit/Open

P26DC	Engine Sound Control 'A' Circuit Low
P26DD	Engine Sound Control 'A' Circuit High
P26DE	Engine Sound Control 'A' Circuit Performance
P26DF	Sensor Power Supply 'D' Circuit/Open
P26E0	Sensor Power Supply 'D' Circuit Low
P26E1	Sensor Power Supply 'D' Circuit High
P26E2	Fuel Mode Indicator Lamp Control Circuit Low
P26E3	Fuel Mode Indicator Lamp Control Circuit High
P26E4	Starter Relay 'B' Circuit
P26E5	Starter Relay 'B' Circuit Low
P26E6	Starter Relay 'B' Circuit High
P26E7	Actuator Supply Voltage 'D' Circuit/Open
P26E8	Actuator Supply Voltage 'D' Circuit Low
P26E9	Actuator Supply Voltage 'D' Circuit High
P26EA	Fuel Pump Control Module 'B'
P26EB	Alternative Fuel Control Module System Voltage
P26EC	Engine Sound Control 'B' Circuit/Open
P26ED	Engine Sound Control 'B' Circuit Low
P26EE	Engine Sound Control 'B' Circuit High
P26EF	Engine Sound Control 'B' Circuit Performance
P26F0	Starter Relay 'A' Stuck On
P26F1	Starter Relay 'A' Stuck Off
P26F2	Starter Relay 'B' Stuck On
P26F3	Starter Relay 'B' Stuck Off
P26F4	Coolant Pump 'C' Control Circuit/Open
P26F5	Coolant Pump 'C' Control Circuit Low
P26F6	Coolant Pump 'C' Control Circuit High
P26F7	Coolant Pump 'C' Supply Voltage Circuit
P26F8	Coolant Pump 'C' Stuck
P26F9	Coolant Pump 'C' Control Module Overtemperature
P26FA	Coolant Pump 'C' Air in System
P26FB	EGR Cooler Bypass Control Stuck Closed Bank 1
P26FC	EGR Cooler Bypass Control Stuck Closed Bank 2
P26FD	A/C Compressor Internal Control Module Performance
P26FF	Auto Configuration Throttle Input Not Present Bank 2
P2700	Transmission Friction Element 'A' Apply Time Range/Performance
P2701	Transmission Friction Element 'B' Apply Time Range/Performance
P2702	Transmission Friction Element 'C' Apply Time Range/Performance
P2703	Transmission Friction Element 'D' Apply Time Range/Performance
P2704	Transmission Friction Element 'E' Apply Time Range/Performance
P2705	Transmission Friction Element 'F' Apply Time Range/Performance
P2706	Shift Solenoid 'F'
P2707	Shift Solenoid 'F' Performance/Stuck Off
P2708	Shift Solenoid 'F' Stuck On
P2709	Shift Solenoid 'F' Electrical
P270A	Transmission Friction Element 'A' Temperature Too High
P270B	Transmission Friction Element 'B' Temperature Too High
P270C	Transmission Friction Element 'C' Temperature Too High
P270D	Transmission Friction Element 'D' Temperature Too High
P270E	Transmission Friction Element 'E' Temperature Too High
P270F	Transmission Friction Element 'F' Temperature Too High
P2710	Shift Solenoid 'F' Intermittent
P2711	Unexpected Mechanical Gear Disengagement

P2712	Hydraulic Power Unit Leakage
P2713	Pressure Control Solenoid 'D'
P2714	Pressure Control Solenoid 'D' Performance/Stuck Off
P2715	Pressure Control Solenoid 'D' Stuck On
P2716	Pressure Control Solenoid 'D' Electrical
P2717	Pressure Control Solenoid 'D' Intermittent
P2718	Pressure Control Solenoid 'D' Control Circuit/Open
P2719	Pressure Control Solenoid 'D' Control Circuit Range/Performance
P271A	Park Pawl Position Sensor 'A' Circuit Low
P271B	Park Pawl Position Sensor 'A' Circuit High
P271C	Park Pawl Position Sensor 'B' Circuit Low
P271D	Park Pawl Position Sensor 'B' Circuit High
P2720	Pressure Control Solenoid 'D' Control Circuit Low
P2721	Pressure Control Solenoid 'D' Control Circuit High
P2722	Pressure Control Solenoid 'E'
P2723	Pressure Control Solenoid 'E' Performance/Stuck Off
P2724	Pressure Control Solenoid 'E' Stuck On
P2725	Pressure Control Solenoid 'E' Electrical
P2726	Pressure Control Solenoid 'E' Intermittent
P2727	Pressure Control Solenoid 'E' Control Circuit/Open
P2728	Pressure Control Solenoid 'E' Control Circuit Range/Performance
P2729	Pressure Control Solenoid 'E' Control Circuit Low
P272A	Transmission Range Select Motor Control Circuit
P272B	Transmission Range Select Motor Control Circuit Current Too High
P272C	Park Pawl Motor Control Circuit
P272D	Park Pawl Motor Control Circuit Current Too High
P2730	Pressure Control Solenoid 'E' Control Circuit High
P2731	Pressure Control Solenoid 'F'
P2732	Pressure Control Solenoid 'F' Performance/Stuck Off
P2733	Pressure Control Solenoid 'F' Stuck On
P2734	Pressure Control Solenoid 'F' Electrical
P2735	Pressure Control Solenoid 'F' Intermittent
P2736	Pressure Control Solenoid 'F' Control Circuit/Open
P2737	Pressure Control Solenoid 'F' Control Circuit Range/Performance
P2738	Pressure Control Solenoid 'F' Control Circuit Low
P2739	Pressure Control Solenoid 'F' Control Circuit High
P273A	Transmission Friction Element 'G' Apply Time Range/Performance
P273B	Transmission Friction Element 'H' Apply Time Range/Performance
P273F	Transmission Fluid Temperature Sensor 'B' Over Temperature Condition
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
P274A	Transmission Fluid Temperature Sensor 'C' Circuit
P274B	Transmission Fluid Temperature Sensor 'C' Circuit Range/Performance
P274C	Transmission Fluid Temperature Sensor 'C' Circuit Low
P274D	Transmission Fluid Temperature Sensor 'C' Circuit High

P274E	Transmission Fluid Temperature Sensor 'C' Circuit Intermittent
P274F	Transmission Fluid Temperature Sensor 'C' Over Temperature Condition
P2750	Intermediate Shaft Speed Sensor 'C' Circuit Range/Performance
P2751	Intermediate Shaft Speed Sensor 'C' Circuit No Signal
P2752	Intermediate Shaft Speed Sensor 'C' Circuit Intermittent
P2753	Transmission Fluid Cooler Control Circuit/Open
P2754	Transmission Fluid Cooler Control Circuit Low
P2755	Transmission Fluid Cooler Control Circuit High
P2756	Torque Converter Clutch Pressure Control Solenoid
P2757	Torque Converter Clutch Pressure Control Solenoid Control Circuit Performance/Stuck Off
P2758	Torque Converter Clutch Pressure Control Solenoid Control Circuit Stuck On
P2759	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical
P275A	Transmission Fluid Temperature Sensor 'D' Circuit
P275B	Transmission Fluid Temperature Sensor 'D' Circuit Range/Performance
P275C	Transmission Fluid Temperature Sensor 'D' Circuit Low
P275D	Transmission Fluid Temperature Sensor 'D' Circuit High
P275E	Transmission Fluid Temperature Sensor 'D' Circuit Intermittent
P275F	Transmission Fluid Temperature Sensor 'D' Over Temperature Condition
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 Shaft Speed Sensor 'B' Circuit
P2766	Input/Turbine Shaft Speed Sensor 'B' Circuit Range/Performance
P2767	Input/Turbine Shaft Speed Sensor 'B' Circuit No Signal
P2768	Input/Turbine Shaft Speed Sensor 'B' Circuit Intermittent
P2769	Torque Converter Clutch Circuit Low
P276A	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Supply Voltage Circuit/Open
P276B	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Supply Voltage Circuit Low
P276C	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Supply Voltage Circuit High
P276D	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Current
P276E	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Current Low
P276F	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Current High
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
P277A	Electric/Auxiliary Transmission Fluid Pump 'B' Hydraulic Leakage
P277B	Electric/Auxiliary Transmission Fluid Pump 'B' Driver Circuit Performance
P277C	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Stalled
P277D	Electric/Auxiliary Transmission Fluid Pump 'B' Motor Over Temperature
P2780	Downshift Switch Circuit Low
P2781	Downshift Switch Circuit High
P2782	Downshift Switch Circuit Intermittent/Erratic
P2783	Torque Converter Temperature Too High
P2784	Input/Turbine Speed Sensor 'A'/'B' Correlation

P2785	Clutch Actuator Temperature Too High
P2786	Gear Shift Actuator Temperature Too High
P2787	Clutch Temperature Too High
P2788	Auto Shift Manual Adaptive Learning at Limit
P2789	Clutch 'A' Adaptive Learning at Limit
P278A	Kick Down Switch Circuit
P278B	Kick Down Switch Circuit Range/Performance
P278C	Kick Down Switch Circuit Low
P278D	Kick Down Switch Circuit High
P278E	Kick Down Switch Circuit Intermittent/Erratic
P278F	Clutch 'B' Adaptive Learning at Limit
P2790	Gate Select Direction Circuit
P2791	Gate Select Direction Circuit Low
P2792	Gate Select Direction Circuit High
P2793	Gear Shift Direction Circuit
P2794	Gear Shift Direction Circuit Low
P2795	Gear Shift Direction Circuit High
P2796	Electric/Auxiliary Transmission Fluid Pump Control Circuit/Open
P2797	Electric/Auxiliary Transmission Fluid Pump 'A' Performance/Stuck Off
P2798	Electric/Auxiliary Transmission Fluid Pump Control Circuit Low
P2799	Electric/Auxiliary Transmission Fluid Pump Control Circuit High
P279A	Transfer Case Gear High Incorrect Ratio
P279B	Transfer Case Gear Low Incorrect Ratio
P279C	Transfer Case Gear Neutral Incorrect Ratio
P279D	Four Wheel Drive (4WD) Range Signal Circuit
P279E	Four Wheel Drive (4WD) Range Signal Circuit Range/Performance
P279F	Four Wheel Drive (4WD) Range Signal Circuit Low
P27A0	Four Wheel Drive (4WD) Range Signal Circuit High
P27A1	Electric/Auxiliary Transmission Fluid Pump 'A' Stuck On
P27A2	Electric/Auxiliary Transmission Fluid Pump 'B' Control Circuit/Open
P27A3	Electric/Auxiliary Transmission Fluid Pump 'B' Performance/Stuck Off
P27A4	Electric/Auxiliary Transmission Fluid Pump 'B' Control Circuit Low
P27A5	Electric/Auxiliary Transmission Fluid Pump 'B' Control Circuit High
P27A6	Electric/Auxiliary Transmission Fluid Pump 'B' Stuck On
P27A7	Pressure Control Solenoid 'A' Data Incompatible
P27A8	Pressure Control Solenoid 'B' Data Incompatible
P27A9	Pressure Control Solenoid 'C' Data Incompatible
P27AA	Pressure Control Solenoid 'D' Data Incompatible
P27AB	Pressure Control Solenoid 'E' Data Incompatible
P27AC	Pressure Control Solenoid 'F' Data Incompatible
P27AD	Pressure Control Solenoid 'G' Data Incompatible
P27AE	Pressure Control Solenoid 'H' Data Incompatible
P27AF	Pressure Control Solenoid 'J' Data Incompatible
P27B0	Pressure Control Solenoid 'K' Data Incompatible
P27B1	Pressure Control Solenoid 'M' Performance/Stuck Off
P27B2	Pressure Control Solenoid 'M' Stuck On
P27B3	Pressure Control Solenoid 'M' Electrical
P27B4	Pressure Control Solenoid 'M' Intermittent
P27B5	Pressure Control Solenoid $\zeta M \zeta$ Control Circuit/Open
P27B6	Pressure Control Solenoid 'M' Control Circuit Range/Performance
P27B7	Pressure Control Solenoid $\zeta M \zeta$ Control Circuit Low
P27B8	Pressure Control Solenoid $\zeta M \zeta$ Control Circuit High
P27B9	Pressure Control Solenoid 'N' Performance/Stuck Off

P27BA	Pressure Control Solenoid 'N' Stuck On
P27BB	Pressure Control Solenoid 'N' Electrical
P27BC	Pressure Control Solenoid 'N' Intermittent
P27BD	Pressure Control Solenoid ζ N ζ Control Circuit/Open
P27BE	Pressure Control Solenoid 'N' Control Circuit Range/Performance
P27BF	Pressure Control Solenoid ζ N ζ Control Circuit Low
P27C0	Pressure Control Solenoid ζ N ζ Control Circuit High
P27C1	Pressure Control Solenoid 'P' Performance/Stuck Off
P27C2	Pressure Control Solenoid 'P' Stuck On
P27C3	Pressure Control Solenoid 'P' Electrical
P27C4	Pressure Control Solenoid 'P' Intermittent
P27C5	Pressure Control Solenoid ζ P ζ Control Circuit/Open
P27C6	Pressure Control Solenoid 'P' Control Circuit Range/Performance
P27C7	Pressure Control Solenoid ζ P ζ Control Circuit Low
P27C8	Pressure Control Solenoid ζ P ζ Control Circuit High
P27C9	Pressure Control Solenoid 'R' Performance/Stuck Off
P27CA	Pressure Control Solenoid 'R' Stuck On
P27CB	Pressure Control Solenoid 'R' Electrical
P27CC	Pressure Control Solenoid 'R' Intermittent
P27CD	Pressure Control Solenoid ζ R ζ Control Circuit/Open
P27CE	Pressure Control Solenoid 'R' Control Circuit Range/Performance
P27CF	Pressure Control Solenoid ζ R ζ Control Circuit Low
P27D0	Pressure Control Solenoid ζ R ζ Control Circuit High
P27D1	Pressure Control Solenoid 'S' Performance/Stuck Off
P27D2	Pressure Control Solenoid 'S' Stuck On
P27D3	Pressure Control Solenoid 'S' Electrical
P27D4	Pressure Control Solenoid 'S' Intermittent
P27D5	Pressure Control Solenoid ζ S ζ Control Circuit/Open
P27D6	Pressure Control Solenoid 'S' Control Circuit Range/Performance
P27D7	Pressure Control Solenoid ζ S ζ Control Circuit Low
P27D8	Pressure Control Solenoid ζ S ζ Control Circuit High
P27D9	Pressure Control Solenoid 'T' Performance/Stuck Off
P27DA	Pressure Control Solenoid 'T' Stuck On
P27DB	Pressure Control Solenoid 'T' Electrical
P27DC	Pressure Control Solenoid 'T' Intermittent
P27DD	Pressure Control Solenoid ζ T ζ Control Circuit/Open
P27DE	Pressure Control Solenoid 'T' Control Circuit Range/Performance
P27DF	Pressure Control Solenoid ζ T ζ Control Circuit Low
P27E0	Pressure Control Solenoid ζ T ζ Control Circuit High
P27E1	Electric/Auxiliary Transmission Fluid Pump 'A' Pressure Too Low
P27E2	Electric/Auxiliary Transmission Fluid Pump 'B' Pressure Too Low
P27E3	Electric/Auxiliary Transmission Fluid Pump Control Valve Circuit/Open
P27E4	Electric/Auxiliary Transmission Fluid Pump Control Valve Circuit Range/Performance
P27E5	Electric/Auxiliary Transmission Fluid Pump Control Valve Circuit Low
P27E6	Electric/Auxiliary Transmission Fluid Pump Control Valve Circuit High
P2800	Transmission Range Sensor 'B' Circuit (PRNDL Input)
P2801	Transmission Range Sensor 'B' Circuit Range/Performance
P2802	Transmission Range Sensor 'B' Circuit Low
P2803	Transmission Range Sensor 'B' Circuit High
P2804	Transmission Range Sensor 'B' Circuit Intermittent
P2805	Transmission Range Sensor 'A'/'B' Correlation
P2806	Transmission Range Sensor Alignment
P2807	Pressure Control Solenoid 'G'

P2808	Pressure Control Solenoid 'G' Performance/Stuck Off
P2809	Pressure Control Solenoid 'G' Stuck On
P280A	Transmission Range Sensor 'A' Circuit Not Learned
P280B	Transmission Range Sensor 'B' Circuit Not Learned
P2810	Pressure Control Solenoid 'G' Electrical
P2811	Pressure Control Solenoid 'G' Intermittent
P2812	Pressure Control Solenoid 'G' Control Circuit/Open
P2813	Pressure Control Solenoid 'G' Control Circuit Range/Performance
P2814	Pressure Control Solenoid 'G' Control Circuit Low
P2815	Pressure Control Solenoid 'G' Control Circuit High
P2816	Pressure Control Solenoid 'H'
P2817	Pressure Control Solenoid 'H' Performance/Stuck Off
P2818	Pressure Control Solenoid 'H' Stuck On
P2819	Pressure Control Solenoid 'H' Electrical
P281A	Pressure Control Solenoid 'H' Intermittent
P281B	Pressure Control Solenoid 'H' Control Circuit/Open
P281C	Pressure Control Solenoid 'H' Control Circuit Range/Performance
P281D	Pressure Control Solenoid 'H' Control Circuit Low
P281E	Pressure Control Solenoid 'H' Control Circuit High
P281F	Pressure Control Solenoid 'J'
P2820	Pressure Control Solenoid 'J' Performance/Stuck Off
P2821	Pressure Control Solenoid 'J' Stuck On
P2822	Pressure Control Solenoid 'J' Electrical
P2823	Pressure Control Solenoid 'J' Intermittent
P2824	Pressure Control Solenoid 'J' Control Circuit/Open
P2825	Pressure Control Solenoid 'J' Control Circuit Range/Performance
P2826	Pressure Control Solenoid 'J' Control Circuit Low
P2827	Pressure Control Solenoid 'J' Control Circuit High
P2828	Pressure Control Solenoid 'K'
P2829	Pressure Control Solenoid 'K' Performance/Stuck Off
P282A	Pressure Control Solenoid 'K' Stuck On
P282B	Pressure Control Solenoid 'K' Electrical
P282C	Pressure Control Solenoid 'K' Intermittent
P282D	Pressure Control Solenoid 'K' Control Circuit/Open
P282E	Pressure Control Solenoid 'K' Control Circuit Range/Performance
P282F	Pressure Control Solenoid 'K' Control Circuit Low
P2830	Pressure Control Solenoid 'K' Control Circuit High
P2831	Shift Fork 'A' Position Circuit
P2832	Shift Fork 'A' Position Circuit Range/Performance
P2833	Shift Fork 'A' Position Circuit Low
P2834	Shift Fork 'A' Position Circuit High
P2835	Shift Fork 'A' Position Circuit Intermittent
P2836	Shift Fork 'B' Position Circuit
P2837	Shift Fork 'B' Position Circuit Range/Performance
P2838	Shift Fork 'B' Position Circuit Low
P2839	Shift Fork 'B' Position Circuit High
P283A	Shift Fork 'B' Position Circuit Intermittent
P283B	Shift Fork 'C' Position Circuit
P283C	Shift Fork 'C' Position Circuit Range/Performance
P283D	Shift Fork 'C' Position Circuit Low
P283E	Shift Fork 'C' Position Circuit High
P283F	Shift Fork 'C' Position Circuit Intermittent
P2840	Shift Fork 'D' Position Circuit

P2841	Shift Fork 'D' Position Circuit Range/Performance
P2842	Shift Fork 'D' Position Circuit Low
P2843	Shift Fork 'D' Position Circuit High
P2844	Shift Fork 'D' Position Circuit Intermittent
P2845	Shift Fork 'A' Position Sensor Incorrect Neutral Position Indicated
P2846	Shift Fork 'B' Position Sensor Incorrect Neutral Position Indicated
P2847	Shift Fork 'C' Position Sensor Incorrect Neutral Position Indicated
P2848	Shift Fork 'D' Position Sensor Incorrect Neutral Position Indicated
P2849	Shift Fork 'A' Stuck
P284A	Shift Fork 'B' Stuck
P284B	Shift Fork 'C' Stuck
P284C	Shift Fork 'D' Stuck
P284D	Shift Fork 'A' Unrequested Movement
P284E	Shift Fork 'B' Unrequested Movement
P284F	Shift Fork 'C' Unrequested Movement
P2850	Shift Fork 'D' Unrequested Movement
P2851	Shift Fork Position Sensor 'A'/'B' Correlation
P2852	Shift Fork Position Sensor 'C'/'D' Correlation
P2853	Clutch 'A' Pressure Discharge Performance
P2854	Clutch 'B' Pressure Discharge Performance
P2855	Clutch 'A' Pressure Charge Performance
P2856	Clutch 'B' Pressure Charge Performance
P2857	Clutch 'A' Pressure Engagement Performance/Too Low
P2858	Clutch 'B' Pressure Engagement Performance/Too Low
P2859	Clutch 'A' Pressure Disengagement Performance/Too Low
P285A	Clutch 'B' Pressure Disengagement Performance/Too Low
P285B	Shift Fork 'A' Actuator Circuit/Open
P285C	Shift Fork 'A' Actuator Circuit Performance
P285D	Shift Fork 'A' Actuator Circuit Low
P285E	Shift Fork 'A' Actuator Circuit High
P285F	Shift Fork 'B' Actuator Circuit/Open
P2860	Shift Fork 'B' Actuator Circuit Performance
P2861	Shift Fork 'B' Actuator Circuit Low
P2862	Shift Fork 'B' Actuator Circuit High
P2863	Shift Fork 'E' Position Circuit
P2864	Shift Fork 'E' Position Circuit Range/Performance
P2865	Shift Fork 'E' Position Circuit Low
P2866	Shift Fork 'E' Position Circuit High
P2867	Shift Fork 'E' Position Circuit Intermittent
P2868	Shift Fork 'E' Position Sensor Incorrect Neutral Position Indicated
P2869	Shift Fork 'E' Stuck
P286A	Shift Fork 'E' Unrequested Movement
P286B	Clutch 'A' Pressure Engagement Too High
P286C	Clutch 'A' Pressure Disengagement Too High
P286D	Clutch 'A' Engagement Time Performance/Too Slow
P286E	Clutch 'A' Engagement Time Too Fast
P286F	Clutch 'A' Disengagement Time Performance/Too Slow
P2870	Clutch 'A' Disengagement Time Too Fast
P2871	Clutch 'A' Performance/Stuck Disengaged
P2872	Clutch 'A' Stuck Engaged
P2873	Clutch 'B' Pressure Engagement Too High
P2874	Clutch 'B' Pressure Disengagement Too High
P2875	Clutch 'B' Engagement Time Performance/Too Slow

P2876	Clutch 'B' Engagement Time Too Fast
P2877	Clutch 'B' Disengagement Time Performance/Too Slow
P2878	Clutch 'B' Disengagement Time Too Fast
P2879	Clutch 'B' Performance/Stuck Disengaged
P287A	Clutch 'B' Stuck Engaged
P287B	Shift Fork Calibration Not Learned
P287C	Transmission Adaptive Values Not Learned
P287D	Electric/Auxiliary Transmission Fluid Pump Motor Torque Out Of Range
P287E	Engine Disconnect Clutch Actuator Circuit/Open
P287F	Engine Disconnect Clutch Actuator Circuit Range/Performance
P2880	Engine Disconnect Clutch Actuator Circuit Low
P2881	Engine Disconnect Clutch Actuator Circuit High
P2882	Engine Disconnect Clutch Excessive Slippage
P2883	Engine Disconnect Clutch Temperature Too High
P2884	Engine Disconnect Clutch Stuck Open
P2885	Engine Disconnect Clutch Engagement Fault
P2886	Engine Disconnect Clutch Stuck Closed
P2A00	O2 Sensor Circuit Range/Performance (Bank 1 Sensor 1)
P2A01	O2 Sensor Circuit Range/Performance (Bank 1 Sensor 2)
P2A02	O2 Sensor Circuit Range/Performance (Bank 1 Sensor 3)
P2A03	O2 Sensor Circuit Range/Performance (Bank 2 Sensor 1)
P2A04	O2 Sensor Circuit Range/Performance (Bank 2 Sensor 2)
P2A05	O2 Sensor Circuit Range/Performance (Bank 2 Sensor 3)
P2A06	O2 Sensor Negative Voltage (Bank 1 Sensor 1)
P2A07	O2 Sensor Negative Voltage (Bank 1 Sensor 2)
P2A08	O2 Sensor Negative Voltage (Bank 1 Sensor 3)
P2A09	O2 Sensor Negative Voltage (Bank 2 Sensor 1)
P2A0A	Manifold Absolute Pressure Sensor 'B' Circuit
P2A0B	Manifold Absolute Pressure Sensor 'B' Circuit Range/Performance
P2A0C	Manifold Absolute Pressure Sensor 'B' Circuit Low
P2A0D	Manifold Absolute Pressure Sensor 'B' Circuit High
P2A0E	Manifold Absolute Pressure Sensor 'B' Circuit Intermittent/Erratic
P2A10	O2 Sensor Negative Voltage (Bank 2 Sensor 2)
P2A11	O2 Sensor Negative Voltage (Bank 2 Sensor 3)
P2A12	Injection Pump Fuel Metering Control 'C' (Cam/Rotor/Injector)
P2A13	Injection Pump Fuel Metering Control 'C' Range/Performance (Cam/Rotor/Injector)
P2A14	Injection Pump Fuel Metering Control 'C' Low (Cam/Rotor/Injector)
P2A15	Injection Pump Fuel Metering Control 'C' High (Cam/Rotor/Injector)
P2A16	Injection Pump Fuel Metering Control 'D' (Cam/Rotor/Injector)
P2A17	Injection Pump Fuel Metering Control 'D' Range/Performance (Cam/Rotor/Injector)
P2A18	Injection Pump Fuel Metering Control 'D' Low (Cam/Rotor/Injector)
P2A19	Injection Pump Fuel Metering Control 'D' High (Cam/Rotor/Injector)
P2A1A	Injection Pump Fuel Metering Control 'E' (Cam/Rotor/Injector)
P2A1B	Injection Pump Fuel Metering Control 'E' Range/Performance (Cam/Rotor/Injector)
P2A1C	Injection Pump Fuel Metering Control 'E' Low (Cam/Rotor/Injector)
P2A1D	Injection Pump Fuel Metering Control 'E' High (Cam/Rotor/Injector)
P2A1E	Injection Pump Fuel Metering Control 'F' (Cam/Rotor/Injector)
P2A1F	Injection Pump Fuel Metering Control 'F' Range/Performance (Cam/Rotor/Injector)
P2A20	Injection Pump Fuel Metering Control 'F' Low (Cam/Rotor/Injector)
P2A21	Injection Pump Fuel Metering Control 'F' High (Cam/Rotor/Injector)
P2A22	Alternative Fuel Tank Shutoff Valve 'B' Control Circuit/Open
P2A23	Alternative Fuel Tank Shutoff Valve 'B' Control Circuit Range/Performance
P2A24	Alternative Fuel Tank Shutoff Valve 'B' Control Circuit Low

P2A25	Alternative Fuel Tank Shutoff Valve 'B' Control Circuit High
P2A26	Alternative Fuel Tank Shutoff Valve 'C' Control Circuit/Open
P2A27	Alternative Fuel Tank Shutoff Valve 'C' Control Circuit Range/Performance
P2A28	Alternative Fuel Tank Shutoff Valve 'C' Control Circuit Low
P2A29	Alternative Fuel Tank Shutoff Valve 'C' Control Circuit High
P2A2A	Alternative Fuel Tank Shutoff Valve 'D' Control Circuit/Open
P2A2B	Alternative Fuel Tank Shutoff Valve 'D' Control Circuit Range/Performance
P2A2C	Alternative Fuel Tank Shutoff Valve 'D' Control Circuit Low
P2A2D	Alternative Fuel Tank Shutoff Valve 'D' Control Circuit High
P2A2E	Alternative Fuel Tank Shutoff Valve 'E' Control Circuit/Open
P2A2F	Alternative Fuel Tank Shutoff Valve 'E' Control Circuit Range/Performance
P2A30	Alternative Fuel Tank Shutoff Valve 'E' Control Circuit Low
P2A31	Alternative Fuel Tank Shutoff Valve 'E' Control Circuit High
P2A32	AFCM Power Relay Control Circuit/Open
P2A33	AFCM Power Relay Control Circuit Low
P2A34	AFCM Power Relay Control Circuit High
P2A35	AFCM Power Relay Sense Circuit
P2A36	AFCM Power Relay Sense Circuit Low
P2A37	AFCM Power Relay Sense Circuit High
P2A38	O2 Sensor Positive Current Control Circuit/Open Bank 1 Sensor 3
P2A39	O2 Sensor Positive Current Control Circuit Low Bank 1 Sensor 3
P2A3A	O2 Sensor Positive Current Control Circuit High Bank 1 Sensor 3
P2A3B	O2 Sensor Negative Current Control Circuit/Open Bank 1 Sensor 3
P2A3C	O2 Sensor Negative Current Control Circuit Low Bank 1 Sensor 3
P2A3D	O2 Sensor Negative Current Control Circuit High Bank 1 Sensor 3
P2A3E	Alternative Fuel Delivery Error
P2A3F	Excessive Time to Enter Alternative Fuel Control
P2A40	Alternative Fuel System - Injector Leakage to Rail Detected
P2A41	Alternative Fuel Tank 'B' Pressure Sensor Circuit
P2A42	Alternative Fuel Tank 'B' Pressure Sensor Range/Performance
P2A43	Alternative Fuel Tank 'B' Pressure Sensor Circuit Low
P2A44	Alternative Fuel Tank 'B' Pressure Sensor Circuit High
P2A45	Alternative Fuel Tank 'B' Pressure Sensor Circuit Intermittent/Erratic
P2A46	Alternative Fuel Tank 'C' Pressure Sensor Circuit
P2A47	Alternative Fuel Tank 'C' Pressure Sensor Range/Performance
P2A48	Alternative Fuel Tank 'C' Pressure Sensor Circuit Low
P2A49	Alternative Fuel Tank 'C' Pressure Sensor Circuit High
P2A4A	Alternative Fuel Tank 'C' Pressure Sensor Circuit Intermittent/Erratic
P2A4B	Alternative Fuel Temperature Sensor Circuit
P2A4C	Alternative Fuel Temperature Sensor Range/Performance
P2A4D	Alternative Fuel Temperature Sensor Circuit Low
P2A4E	Alternative Fuel Temperature Sensor Circuit High
P2A4F	Alternative Fuel Temperature Sensor Circuit Intermittent/Erratic
P2A50	Alternative Fuel Vaporizer 'A' Outlet Temperature Sensor Circuit
P2A51	Alternative Fuel Vaporizer 'A' Outlet Temperature Sensor Range/Performance
P2A52	Alternative Fuel Vaporizer 'A' Outlet Temperature Sensor Circuit Low
P2A53	Alternative Fuel Vaporizer 'A' Outlet Temperature Sensor Circuit High
P2A54	Alternative Fuel Vaporizer 'A' Outlet Temperature Sensor Circuit Intermittent/Erratic
P2A55	Alternative Fuel Vaporizer 'B' Outlet Temperature Sensor Circuit
P2A56	Alternative Fuel Vaporizer 'B' Outlet Temperature Sensor Range/Performance
P2A57	Alternative Fuel Vaporizer 'B' Outlet Temperature Sensor Circuit Low
P2A58	Alternative Fuel Vaporizer 'B' Outlet Temperature Sensor Circuit High
P2A59	Alternative Fuel Vaporizer 'B' Outlet Temperature Sensor Circuit Intermittent/Erratic

P2A5A	Alternative Fuel Vaporizer 'C' Outlet Temperature Sensor Circuit
P2A5B	Alternative Fuel Vaporizer 'C' Outlet Temperature Sensor Range/Performance
P2A5C	Alternative Fuel Vaporizer 'C' Outlet Temperature Sensor Circuit Low
P2A5D	Alternative Fuel Vaporizer 'C' Outlet Temperature Sensor Circuit High
P2A5E	Alternative Fuel Vaporizer 'C' Outlet Temperature Sensor Circuit Intermittent/Erratic
P2A5F	Alternative Fuel Tank 'B' Level Sensor Circuit
P2A60	Alternative Fuel Tank 'B' Level Sensor Range/Performance
P2A61	Alternative Fuel Tank 'B' Level Sensor Circuit Low
P2A62	Alternative Fuel Tank 'B' Level Sensor Circuit High
P2A63	Alternative Fuel Tank 'B' Level Sensor Circuit Intermittent/Erratic
P2A64	Alternative Fuel Tank 'C' Level Sensor Circuit
P2A65	Alternative Fuel Tank 'C' Level Sensor Range/Performance
P2A66	Alternative Fuel Tank 'C' Level Sensor Circuit Low
P2A67	Alternative Fuel Tank 'C' Level Sensor Circuit High
P2A68	Alternative Fuel Tank 'C' Level Sensor Circuit Intermittent/Erratic
P2A69	Alternative Fuel Rail Pressure Regulator Inlet Pressure Sensor Circuit
P2A6A	Alternative Fuel Rail Pressure Regulator Inlet Pressure Sensor Range/Performance
P2A6B	Alternative Fuel Rail Pressure Regulator Inlet Pressure Sensor Circuit Low
P2A6C	Alternative Fuel Rail Pressure Regulator Inlet Pressure Sensor Circuit High
P2A6D	Alternative Fuel Rail Pressure Regulator Inlet Pressure Sensor Circuit Intermittent/Erratic
P2A6E	Alternative Fuel Rail Pressure Regulator Inlet Pressure Too Low
P2A6F	Alternative Fuel Rail Pressure Regulator Inlet Pressure Too High
P2A70	Alternative Fuel Hydraulic Fuel Pump Select Valve Control Circuit
P2A71	Alternative Fuel Hydraulic Fuel Pump Select Valve Control Range/Performance
P2A72	Alternative Fuel Hydraulic Fuel Pump Select Valve Control Circuit Low
P2A73	Alternative Fuel Hydraulic Fuel Pump Select Valve Control Circuit High
P2A74	Alternative Fuel Hydraulic Fuel Pump Select Valve Control Circuit Intermittent/Erratic
P2A75	Alternative Fuel Hydraulic Pump Pressure Sensor Circuit
P2A76	Alternative Fuel Hydraulic Pump Pressure Sensor Range/Performance
P2A77	Alternative Fuel Hydraulic Pump Pressure Sensor Circuit Low
P2A78	Alternative Fuel Hydraulic Pump Pressure Sensor Circuit High
P2A79	Alternative Fuel Hydraulic Pump Pressure Sensor Circuit Intermittent/Erratic
P2A7A	Alternative Fuel Hydraulic Pressure Sensor Circuit
P2A7B	Alternative Fuel Hydraulic Pressure Sensor Range/Performance
P2A7C	Alternative Fuel Hydraulic Pressure Sensor Circuit Low
P2A7D	Alternative Fuel Hydraulic Pressure Sensor Circuit High
P2A7E	Alternative Fuel Hydraulic Pressure Sensor Circuit Intermittent/Erratic
P2A7F	Alternative Fuel Pump 'A' Compression Stroke Valve Control Circuit/Open
P2A80	Alternative Fuel Pump 'A' Compression Stroke Valve Control Circuit Range/Performance
P2A81	Alternative Fuel Pump 'A' Compression Stroke Valve Control Circuit Low
P2A82	Alternative Fuel Pump 'A' Compression Stroke Valve Control Circuit High
P2A83	Alternative Fuel Pump 'B' Compression Stroke Valve Control Circuit/Open
P2A84	Alternative Fuel Pump 'B' Compression Stroke Valve Control Circuit Range/Performance
P2A85	Alternative Fuel Pump 'B' Compression Stroke Valve Control Circuit Low
P2A86	Alternative Fuel Pump 'B' Compression Stroke Valve Control Circuit High
P2A87	Alternative Fuel Pump 'C' Compression Stroke Valve Control Circuit/Open
P2A88	Alternative Fuel Pump 'C' Compression Stroke Valve Control Circuit Range/Performance
P2A89	Alternative Fuel Pump 'C' Compression Stroke Valve Control Circuit Low
P2A8A	Alternative Fuel Pump 'C' Compression Stroke Valve Control Circuit High
P2A8B	Alternative Fuel Vaporizer 'A' Performance
P2A8C	Alternative Fuel Vaporizer 'B' Performance
P2A8D	Alternative Fuel Vaporizer 'C' Performance
P2A8E	Alternative Fuel Pump 'A' Performance

P2A8F	Alternative Fuel Pump 'B' Performance
P2A90	Alternative Fuel Pump 'C' Performance
P2A91	Alternative Fuel Tank Select Valve 'A' Control Circuit/Open
P2A92	Alternative Fuel Tank Select Valve 'A' Control Performance
P2A93	Alternative Fuel Tank Select Valve 'A' Control Circuit Low
P2A94	Alternative Fuel Tank Select Valve 'A' Control Circuit High
P2A95	Alternative Fuel Tank Select Valve 'B' Control Circuit/Open
P2A96	Alternative Fuel Tank Select Valve 'B' Control Circuit Performance
P2A97	Alternative Fuel Tank Select Valve 'B' Control Circuit Low
P2A98	Alternative Fuel Tank Select Valve 'B' Control Circuit High
P2A99	Alternative Fuel Tank Select Valve 'C' Control Circuit/Open
P2A9A	Alternative Fuel Tank Select Valve 'C' Control Circuit Performance
P2A9B	Alternative Fuel Tank Select Valve 'C' Control Circuit Low
P2A9C	Alternative Fuel Tank Select Valve 'C' Control Circuit High
P2A9D	Alternative Fuel High Pressure System Small Leak
P2A9E	Alternative Fuel Return Line Valve Control Circuit/Open
P2A9F	Alternative Fuel Return Line Valve Control Circuit Range/Performance
P2AA0	Alternative Fuel Return Line Valve Control Circuit Low
P2AA1	Alternative Fuel Return Line Valve Control Circuit High
P2AA2	Alternative Fuel Return Line Insufficient Flow
P2AA3	Cold Start EGR 'B' Flow Insufficient Detected
P2AA4	Cold Start EGR 'B' Flow Excessive Detected
P2AA5	EGR Cooler Bypass Control Circuit Driver Current/Temperature Too High Bank 1
P2AA6	EGR Cooler Bypass Control Circuit Driver Current/Temperature Too High Bank 2
P2AA7	Engine Coolant Bypass Valve 'B' Position Sensor Circuit
P2AA8	Engine Coolant Bypass Valve 'B' Position Sensor Circuit Range/Performance
P2AA9	Engine Coolant Bypass Valve 'B' Position Sensor Circuit Low
P2AAA	Engine Coolant Bypass Valve 'B' Position Sensor Circuit High
P2AAB	Engine Coolant Bypass Valve 'B' Position Sensor Circuit Intermittent/Erratic
P2AAC	Diesel Fuel Presence Sensor Circuit
P2AAD	Diesel Fuel Presence Sensor Circuit Range/Performance
P2AAE	Diesel Fuel Presence Sensor Circuit Low
P2AAF	Diesel Fuel Presence Sensor Circuit High
P2AB0	Particulate Matter Sensor Processor Performance
P2BA6	NOx Exceedance - SCR NOx Catalyst Performance
P2BA7	NOx Exceedance - Empty Reductant Tank
P2BA8	NOx Exceedance - Interruption of Reductant Dosing Activity
P2BA9	NOx Exceedance - Insufficient Reductant Quality
P2BAA	NOx Exceedance - Low Reductant Consumption
P2BAB	NOx Exceedance - Incorrect EGR Flow
P2BAC	NOx Exceedance - Deactivation of EGR
P2BAD	NOx Exceedance - Root Cause Unknown
P2BAE	NOx Exceedance - NOx Control Monitoring System
P2BAF	NOx System Driver Inducement Active
P2BB0	Alternative Fuel Consumption Too Low
P2BB1	Alternative Fuel Consumption Too High
P2BB2	Alternative Fuel Tank Empty
P3000	Fuel Rail Pressure Sensor Offset Maximum Exceeded
P3001	Fuel Rail Pressure Sensor Offset Minimum Fallen Below
P3002	Fuel Rail Pressure Flow-Rate-Controlled, Pressure Too Low
P3003	Fuel Rail Pressure Flow-Rate-Controlled, Pressure Too High
P3004	Fuel Rail Pressure Flow-Rate-Controlled, Maximum Pressure Exceeded
P3005	Fuel Rail Pressure Pressure-Rate-Controlled, Pressure Too Low

P3006	Fuel Rail Pressure Pressure-Rate-Controlled, Pressure Too High
P3007	Fuel Rail Pressure Pressure-Rate-Controlled, Maximum Pressure Exceeded
P3008	O2 Sensor Circuit Low after Cold Start (Bank 1 Sensor 1)
P3009	O2 Sensor Circuit Low after Cold Start (Bank 2 Sensor 1)
P300A	Controlled Air Shutter Circuit High
P300B	Controlled Air Shutter Circuit Low
P300C	Controlled Air Shutter Circuit/Open
P300D	Controlled Lower Air Shutter Circuit High
P300E	Controlled Lower Air Shutter Circuit Low
P300F	Controlled Lower Air Shutter Circuit/Open
P3010	O2 Sensor Circuit Low after Cold Start (Bank 1 Sensor 2)
P3011	O2 Sensor Circuit Low after Cold Start (Bank 2 Sensor 2)
P3012	O2 Sensor Signal Circuit Adaptation Value Too High (Bank 1 Sensor 1)
P3013	O2 Sensor Signal Circuit Adaptation Value Too High (Bank 2 Sensor 1)
P3014	O2 Sensor WRAF-IC Supply Voltage Too Low (Bank 1 Sensor 1)
P3015	O2 Sensor WRAF-IC Supply Voltage Too Low (Bank 2 Sensor 1)
P3016	Internal Control Module O2 Sensor Calibration Resistance Error (Bank 1 Sensor 1)
P3017	Internal Control Module O2 Sensor Calibration Resistance Error (Bank 2 Sensor 1)
P3018	O2 Sensor Lambda Controller Value Above Threshold due to Open Pumping Current Circuit (Bank 1 Sensor 1)
P3019	O2 Sensor Lambda Controller Value Above Threshold due to Open Pumping Current Circuit (Bank 2 Sensor 1)
P301A	Injector 1 Stuck Open
P301B	Injector 2 Stuck Open
P301C	Injector 3 Stuck Open
P301D	Injector 4 Stuck Open
P301E	Injector 1 or 3 Stuck Open
P301F	Injector 2 or 4 Stuck Open
P3020	O2 Sensor Signal Voltage Too Low during Coast Down Fuel Cut-Off due to Open Pumping Current Circuit (Bank 1 Sensor 1)
P3021	O2 Sensor Signal Voltage Too Low during Coast Down Fuel Cut-Off due to Open Pumping Current Circuit (Bank 2 Sensor 1)
P3022	O2 Sensor Disturbed SPI Communication to WRAF-IC (Bank 1 Sensor 1)
P3023	O2 Sensor Disturbed SPI Communication to WRAF-IC (Bank 2 Sensor 1)
P3024	O2 Sensor Initialization Error WRAF-IC (Bank 1 Sensor 1)
P3025	O2 Sensor Initialization Error WRAF-IC (Bank 2 Sensor 1)
P3026	O2 Sensor Temperature Measurement Operating Temperature not Reached (Bank 1 Sensor 1)
P3027	O2 Sensor Temperature Measurement Operating Temperature not Reached (Bank 2 Sensor 1)
P3028	O2 Sensor Heater Control No Activity Detected (Bank 1 Sensor 1)
P3029	O2 Sensor Heater Control No Activity Detected (Bank 2 Sensor 1)
P302A	Fuel Rail Pressure, Maximum Pressure Exceeded (Bank 1)
P302B	Fuel Rail Pressure, Maximum Pressure Exceeded (Bank 2)
P302C	Fuel Rail Pressure, Minimum Pressure Fallen Below (Bank 1)
P302D	Fuel Rail Pressure, Minimum Pressure Fallen Below (Bank 2)
P302E	Fuel Rail Pressure Range/Performance - Pressure Too High (Bank 1)
P3030	O2 Sensor Internal Resistance Measurement Path Adaptation Value Too High (Bank 1 Sensor 1)
P3031	O2 Sensor Internal Resistance Measurement Path Adaptation Value Too High (Bank 2 Sensor 1)
P3032	O2 Sensor Internal Resistance Measurement Path Amplification Factor Plausibility (Bank 1 Sensor 1)
P3033	O2 Sensor Internal Resistance Measurement Path Amplification Factor Plausibility (Bank 2 Sensor 1)
P3034	O2 Sensor Characteristic Curve Gradient Too Low (Bank 1 Sensor 1)
P3035	O2 Sensor Characteristic Curve Gradient Too Low (Bank 2 Sensor 1)
P3036	O2 Sensor Different Length Rich and Lean Phase in Control Range (Bank 1 Sensor 1)
P3037	O2 Sensor Different Length Rich and Lean Phase in Control Range (Bank 2 Sensor 1)
P3038	O2 Sensor Asymmetry Rich and Lean Switching Time (Bank 1 Sensor 1)
P3039	O2 Sensor Asymmetry Rich and Lean Switching Time (Bank 1 Sensor 1)
P303A	Fuel Rail/System Pressure Range/Performance - Pressure Too High (Bank 1)
P303B	Fuel Rail/System Pressure Range/Performance - Pressure Too High (Bank 2)

P303C	Fuel Rail/System Pressure Range/Performance - Pressure Too Low (Bank 1)
P303D	Fuel Rail/System Pressure Range/Performance - Pressure Too Low (Bank 2)
P303E	Controlled Upper Air Shutter Supply Voltage
P303F	Controlled Upper Air Shutter Over Temperature
P3040	O2 Sensor Lean and Rich Voltage Thresholds not Reached (Bank 1 Sensor 2)
P3041	O2 Sensor Lean and Rich Voltage Thresholds not Reached (Bank 2 Sensor 2)
P3042	EGR Valve Circuit
P3043	EGR Valve System Deviation Out of Range
P3044	EGR Valve Controller Initial Position Out of Range
P3045	EGR Valve Adaptation Conditions Not Fulfilled
P3046	EGR Valve Lower Adaptation Value Out of Range
P3047	EGR Valve Upper Adaptation Value Out of Range
P3048	EGR Valve Upper Position not Reached
P3049	Fuel Rail Pressure at Enabling Injection, Pressure Too Low (Bank 1)
P304A	Controlled Upper Air Shutter Electrical
P304B	Controlled Upper Air Shutter, Lower Stop Not Detected
P304C	Controlled Upper Air Shutter, Upper Stop Not Detected
P304D	Controlled Upper Air Shutter, Upper Stop Detected Too Early
P304F	Controlled Upper Air Shutter Message Monitoring via LIN
P3050	Fuel Rail Pressure at Enabling Injection, Pressure Too Low (Bank 2)
P3051	Fuel Rail Pressure after Enabling Injection, Pressure Too Low (Bank 1)
P3052	Fuel Rail Pressure after Enabling Injection, Pressure Too Low (Bank 2)
P3053	Fuel Rail Pressure at or after Enabling Injection, Pressure Too Low (Bank 1)
P3054	Fuel Rail Pressure at or after Enabling Injection, Pressure Too Low (Bank 2)
P3055	Injector 9 Stuck Open
P3056	Injector 10 Stuck Open
P3057	Injector 11 Stuck Open
P3058	Injector 12 Stuck Open
P305A	Injector 5 Stuck Open
P305B	Injector 6 Stuck Open
P305C	Injector 7 Stuck Open
P305D	O2 Sensor Temperature Measurement Operating Temperature during Warmup not Reached (Bank 1 Sensor 1)
P305E	O2 Sensor Temperature Measurement Operating Temperature during Warmup not Reached (Bank 2 Sensor 1)
P305F	Injector 8 Stuck Open
P3060	Active Grille Air Shutter Module 'A' Driver Error
P3061	Active Grille Air Shutter Module 'A' Driver Circuit/Open
P3062	Active Grille Air Shutter Module 'A' Driver Circuit Low
P3063	Active Grille Air Shutter Module 'A' Driver Circuit High
P3064	Active Grille Air Shutter Module 'A' Temperature Signal Error
P3065	Active Grille Air Shutter Module 'A' Temperature Implausible
P3066	Active Grille Air Shutter Module 'A' Temperature Too Low
P3067	Active Grille Air Shutter Module 'A' Fail Safe Mode
P3068	Active Grill Air Shutter 'A' Motor Temperature Too High
P3069	Active Grill Air Shutter 'A' Position Sensor Circuit/Open
P306A	Fuel Rail/System Pressure - Too High, Limp Home
P306B	Fuel Rail/System Pressure - Too High, Limp Home With Injection Cut-Off
P306C	Fuel Rail/System Pressure - Temporarily Too High
P306D	Fuel Supply Closed Loop Fuel Control, Upper Limit Exceeded
P306E	Fuel Supply Closed Loop Fuel Control, Lower Limit Fallen Below
P306F	Fuel Rail Pressure, Minimum Pressure Fallen Below, Injection Cut-Off
P3090	Fuel Rail Pressure Flow-Rate-Controlled, Minimum Pressure Fallen Below
P3091	Fuel Rail Pressure Pressure-Rate-Controlled, Minimum Pressure Fallen Below
P3094	Low Fuel Pressure System Pressure Too High

P3095	Low Fuel Pressure System Maximum Pressure Exceeded
P3096	Low Fuel Pressure System Minimum Pressure Fallen Below
P3100	Cylinder 1 High Pressure Injector Low Side Circuit Open
P3101	Cylinder 1 High Pressure Injector Low Side Circuit Low
P3102	Cylinder 1 High Pressure Injector Low Side Circuit High
P3103	Cylinder 1 High Pressure Injector Low Side Booster Time Error
P3104	Cylinder 2 High Pressure Injector Low Side Circuit Open
P3105	Cylinder 2 High Pressure Injector Low Side Circuit Low
P3106	Cylinder 2 High Pressure Injector Low Side Circuit High
P3107	Cylinder 2 High Pressure Injector Low Side Booster Time Error
P3108	Cylinder 3 High Pressure Injector Low Side Circuit Open
P3109	Cylinder 3 High Pressure Injector Low Side Circuit Low
P310A	Cylinder 1 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P310B	Cylinder 1 High Pressure Injector Low Side/High Side Electrical
P310C	Cylinder 1 High Pressure Injector Low Side/High Side Circuit Open
P310D	Cylinder 2 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P310E	Cylinder 2 High Pressure Injector Low Side/High Side Electrical
P310F	Cylinder 2 High Pressure Injector Low Side/High Side Circuit Open
P3110	Cylinder 3 High Pressure Injector Low Side Circuit High
P3111	Cylinder 3 High Pressure Injector Low Side Booster Time Error
P3112	Cylinder 4 High Pressure Injector Low Side Circuit Open
P3113	Cylinder 4 High Pressure Injector Low Side Circuit Low
P3114	Cylinder 4 High Pressure Injector Low Side Circuit High
P3115	Cylinder 4 High Pressure Injector Low Side Booster Time Error
P3116	Cylinder 5 High Pressure Injector Low Side Circuit Open
P3117	Cylinder 5 High Pressure Injector Low Side Circuit Low
P3118	Cylinder 5 High Pressure Injector Low Side Circuit High
P3119	Cylinder 5 High Pressure Injector Low Side Booster Time Error
P311A	Cylinder 3 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P311B	Cylinder 3 High Pressure Injector Low Side/High Side Electrical
P311C	Cylinder 3 High Pressure Injector Low Side/High Side Circuit Open
P311D	Cylinder 4 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P311E	Cylinder 4 High Pressure Injector Low Side/High Side Electrical
P311F	Cylinder 4 High Pressure Injector Low Side/High Side Circuit Open
P3120	Cylinder 6 High Pressure Injector Low Side Circuit Open
P3121	Cylinder 6 High Pressure Injector Low Side Circuit Low
P3122	Cylinder 6 High Pressure Injector Low Side Circuit High
P3123	Cylinder 6 High Pressure Injector Low Side Booster Time Error
P3124	Cylinder 7 High Pressure Injector Low Side Circuit Open
P3125	Cylinder 7 High Pressure Injector Low Side Circuit Low
P3126	Cylinder 7 High Pressure Injector Low Side Circuit High
P3127	Cylinder 7 High Pressure Injector Low Side Booster Time Error
P3128	Cylinder 8 High Pressure Injector Low Side Circuit Open
P3129	Cylinder 8 High Pressure Injector Low Side Circuit Low
P312A	Cylinder 5 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P312B	Cylinder 5 High Pressure Injector Low Side/High Side Electrical
P312C	Cylinder 5 High Pressure Injector Low Side/High Side Circuit Open
P312D	Cylinder 6 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P312E	Cylinder 6 High Pressure Injector Low Side/High Side Electrical
P312F	Cylinder 6 High Pressure Injector Low Side/High Side Circuit Open
P3130	Cylinder 8 High Pressure Injector Low Side Circuit High
P3131	Cylinder 8 High Pressure Injector Low Side Booster Time Error
P3132	Cylinder 9 High Pressure Injector Low Side Circuit Open

P3133	Cylinder 9 High Pressure Injector Low Side Circuit Low
P3134	Cylinder 9 High Pressure Injector Low Side Circuit High
P3135	Cylinder 9 High Pressure Injector Low Side Booster Time Error
P3136	Cylinder 10 High Pressure Injector Low Side Circuit Open
P3137	Cylinder 10 High Pressure Injector Low Side Circuit Low
P3138	Cylinder 10 High Pressure Injector Low Side Circuit High
P3139	Cylinder 10 High Pressure Injector Low Side Booster Time Error
P313A	Cylinder 7 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P313B	Cylinder 7 High Pressure Injector Low Side/High Side Electrical
P313C	Cylinder 7 High Pressure Injector Low Side/High Side Circuit Open
P313D	Cylinder 8 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P313E	Cylinder 8 High Pressure Injector Low Side/High Side Electrical
P313F	Cylinder 8 High Pressure Injector Low Side/High Side Circuit Open
P3140	Cylinder 11 High Pressure Injector Low Side Circuit Open
P3141	Cylinder 11 High Pressure Injector Low Side Circuit Low
P3142	Cylinder 11 High Pressure Injector Low Side Circuit High
P3143	Cylinder 11 High Pressure Injector Low Side Booster Time Error
P3144	Cylinder 12 High Pressure Injector Low Side Circuit Open
P3145	Cylinder 12 High Pressure Injector Low Side Circuit Low
P3146	Cylinder 12 High Pressure Injector Low Side Circuit High
P3147	Cylinder 12 High Pressure Injector Low Side Booster Time Error
P3148	Cylinder 1 High Pressure Injector High Side Shorted to Coil
P3149	Cylinder 1 High Pressure Injector High Side Circuit Low
P314A	Cylinder 9 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P314B	Cylinder 9 High Pressure Injector Low Side/High Side Electrical
P314C	Cylinder 9 High Pressure Injector Low Side/High Side Circuit Open
P314D	Cylinder 10 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P314E	Cylinder 10 High Pressure Injector Low Side/High Side Electrical
P314F	Cylinder 10 High Pressure Injector Low Side/High Side Circuit Open
P3150	Cylinder 1 High Pressure Injector High Side Circuit High
P3151	Cylinder 2 High Pressure Injector High Side Shorted to Coil
P3152	Cylinder 2 High Pressure Injector High Side Circuit Low
P3153	Cylinder 2 High Pressure Injector High Side Circuit High
P3154	Cylinder 3 High Pressure Injector High Side Shorted to Coil
P3155	Cylinder 3 High Pressure Injector High Side Circuit Low
P3156	Cylinder 3 High Pressure Injector High Side Circuit High
P3157	Cylinder 4 High Pressure Injector High Side Shorted to Coil
P3158	Cylinder 4 High Pressure Injector High Side Circuit Low
P3159	Cylinder 4 High Pressure Injector High Side Circuit High
P315A	Cylinder 11 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P315B	Cylinder 11 High Pressure Injector Low Side/High Side Electrical
P315C	Cylinder 11 High Pressure Injector Low Side/High Side Circuit Open
P315D	Cylinder 12 High Pressure Injector Low Side Interturn Short Circuit or Circuit High
P315E	Cylinder 12 High Pressure Injector Low Side/High Side Electrical
P315F	Cylinder 12 High Pressure Injector Low Side/High Side Circuit Open
P3160	Cylinder 5 High Pressure Injector High Side Shorted to Coil
P3161	Cylinder 5 High Pressure Injector High Side Circuit Low
P3162	Cylinder 5 High Pressure Injector High Side Circuit High
P3163	Cylinder 6 High Pressure Injector High Side Shorted to Coil
P3164	Cylinder 6 High Pressure Injector High Side Circuit Low
P3165	Cylinder 6 High Pressure Injector High Side Circuit High
P3166	Cylinder 7 High Pressure Injector High Side Shorted to Coil
P3167	Cylinder 7 High Pressure Injector High Side Circuit Low

P3168	Cylinder 7 High Pressure Injector High Side Circuit High
P3169	Cylinder 8 High Pressure Injector High Side Shorted to Coil
P316A	Engine Coolant Temperature Signal Stuck High
P316B	Engine Coolant Temperature Signal Stuck Low
P316C	Radiator Coolant Temperature Too High
P316D	Cylinder 1 H2-Injector Low Side Circuit/Open
P316E	Cylinder 1 H2-Injector Low Side Circuit Low
P316F	Cylinder 1 H2-Injector Low Side Circuit High
P3170	Cylinder 8 High Pressure Injector High Side Circuit Low
P3171	Cylinder 8 High Pressure Injector High Side Circuit High
P3172	Cylinder 9 High Pressure Injector High Side Shorted to Coil
P3173	Cylinder 9 High Pressure Injector High Side Circuit Low
P3174	Cylinder 9 High Pressure Injector High Side Circuit High
P3175	Cylinder 10 High Pressure Injector High Side Shorted to Coil
P3176	Cylinder 10 High Pressure Injector High Side Circuit Low
P3177	Cylinder 10 High Pressure Injector High Side Circuit High
P3178	Cylinder 11 High Pressure Injector High Side Shorted to Coil
P3179	Cylinder 11 High Pressure Injector High Side Circuit Low
P317A	Cylinder 2 H2-Injector Low Side Circuit/Open
P317B	Cylinder 2 H2-Injector Low Side Circuit Low
P317C	Cylinder 2 H2-Injector Low Side Circuit High
P317D	Cylinder 3 H2-Injector Low Side Circuit/Open
P317E	Cylinder 3 H2-Injector Low Side Circuit Low
P317F	Cylinder 3 H2-Injector Low Side Circuit High
P3180	Cylinder 11 High Pressure Injector High Side Circuit High
P3181	Cylinder 12 High Pressure Injector High Side Shorted to Coil
P3182	Cylinder 12 High Pressure Injector High Side Circuit Low
P3183	Cylinder 12 High Pressure Injector High Side Circuit High
P3184	High Pressure Injector Control Module Communication Error (Bank 1)
P3185	High Pressure Injector Control Module Communication Error (Bank 2)
P3186	Intake Air Temperature Sensor Circuit Low (Bank 2)
P3187	Intake Air Temperature Sensor Circuit High (Bank 2)
P3188	CAN Timeout High Pressure Injector Message
P3189	CAN Timeout High Pressure Injector Message (Bank 2)
P318A	Cylinder 4 H2-Injector Low Side Circuit/Open
P318B	Cylinder 4 H2-Injector Low Side Circuit Low
P318C	Cylinder 4 H2-Injector Low Side Circuit High
P318D	Cylinder 5 H2-Injector Low Side Circuit/Open
P318E	Cylinder 5 H2-Injector Low Side Circuit Low
P318F	Cylinder 5 H2-Injector Low Side Circuit High
P3190	Intake Air Temperature Sensor Circuit Range/Performance (Bank 2)
P3191	Throttle Actuator Control Motor Circuit/Open (Bank 2)
P3192	Throttle Actuator Control Motor Circuit Low (Bank 2)
P3193	Throttle Actuator Control Motor Circuit High (Bank 2)
P3194	Fuel Pressure Control Basic Characteristic Curve Adaptation 1 Out of Range
P3195	Radiator Coolant Temperature Signal Stuck High
P3196	Cold Start Radiator Coolant Temperature Too High
P3197	Radiator Coolant Temperature Gradient Too High
P3198	Engine Coolant Temperature 1 Gradient Too High
P3199	Engine Coolant Temperature Signal Stuck
P319A	Fuel Pressure Control Min. Characteristic Curve Adaptation 1 Out of Range
P319B	Throttle Actuator Output Stage Over Temperature
P319C	Cylinder 6 H2-Injector Low Side Circuit/Open

P319D	Cylinder 6 H2-Injector Low Side Circuit Low
P319E	Cylinder 6 H2-Injector Low Side Circuit High
P319F	Cylinder 7 H2-Injector Low Side Circuit/Open
P31A0	Cylinder 7 H2-Injector Low Side Circuit Low
P31A1	Cylinder 7 H2-Injector Low Side Circuit High
P31A2	Cylinder 8 H2-Injector Low Side Circuit/Open
P31A3	Cylinder 8 H2-Injector Low Side Circuit Low
P31A4	Cylinder 8 H2-Injector Low Side Circuit High
P31A5	Cylinder 9 H2-Injector Low Side Circuit/Open
P31A6	Cylinder 9 H2-Injector Low Side Circuit Low
P31A7	Cylinder 9 H2-Injector Low Side Circuit High
P31A8	Cylinder 10 H2-Injector Low Side Circuit/Open
P31A9	Cylinder 10 H2-Injector Low Side Circuit Low
P31AA	Cylinder 10 H2-Injector Low Side Circuit High
P31AB	Cylinder 11 H2-Injector Low Side Circuit/Open
P31AC	Cylinder 11 H2-Injector Low Side Circuit Low
P31AD	Cylinder 11 H2-Injector Low Side Circuit High
P31AE	Cylinder 12 H2-Injector Low Side Circuit/Open
P31AF	Cylinder 12 H2-Injector Low Side Circuit Low
P31B0	Cylinder 12 H2-Injector Low Side Circuit High
P31B1	Cylinder 1 H2-Injector High Side Shorted to Coil
P31B2	Cylinder 2 H2-Injector High Side Shorted to Coil
P31B3	Cylinder 3 H2-Injector High Side Shorted to Coil
P31B4	Cylinder 4 H2-Injector High Side Shorted to Coil
P31B5	Cylinder 5 H2-Injector High Side Shorted to Coil
P31B6	Cylinder 6 H2-Injector High Side Shorted to Coil
P31B7	Cylinder 7 H2-Injector High Side Shorted to Coil
P31B8	Cylinder 8 H2-Injector High Side Shorted to Coil
P31B9	Cylinder 9 H2-Injector High Side Shorted to Coil
P31BA	Cylinder 10 H2-Injector High Side Shorted to Coil
P31BB	Cylinder 11 H2-Injector High Side Shorted to Coil
P31BC	Cylinder 12 H2-Injector High Side Shorted to Coil
P31BD	Throttle Actuator 'A' Control Motor Circuit Shorted
P31C0	Cylinder 1 H2-Injector or High Pressure Injector High Side Circuit Low
P31C1	Cylinder 1 H2-Injector or High Pressure Injector High Side Circuit High
P31C2	Cylinder 2 H2-Injector or High Pressure Injector High Side Circuit Low
P31C3	Cylinder 2 H2-Injector or High Pressure Injector High Side Circuit High
P31C4	Cylinder 3 H2-Injector or High Pressure Injector High Side Circuit Low
P31C5	Cylinder 1 H2-Injector or High Pressure Injector High Side Circuit High
P31C6	Cylinder 4 H2-Injector or High Pressure Injector High Side Circuit Low
P31C7	Cylinder 4 H2-Injector or High Pressure Injector High Side Circuit High
P31C8	Cylinder 5 H2-Injector or High Pressure Injector High Side Circuit Low
P31C9	Cylinder 5 H2-Injector or High Pressure Injector High Side Circuit High
P31CA	Cylinder 6 H2-Injector or High Pressure Injector High Side Circuit Low
P31CB	Cylinder 6 H2-Injector or High Pressure Injector High Side Circuit High
P31CC	Cylinder 7 H2-Injector or High Pressure Injector High Side Circuit Low
P31CD	Cylinder 7 H2-Injector or High Pressure Injector High Side Circuit High
P31CE	Cylinder 8 H2-Injector or High Pressure Injector High Side Circuit Low
P31CF	Cylinder 8 H2-Injector or High Pressure Injector High Side Circuit High
P31D0	Cylinder 9 H2-Injector or High Pressure Injector High Side Circuit Low
P31D1	Cylinder 9 H2-Injector or High Pressure Injector High Side Circuit High
P31D2	Cylinder 10 H2-Injector or High Pressure Injector High Side Circuit Low
P31D3	Cylinder 10 H2-Injector or High Pressure Injector High Side Circuit High

P31D4	Cylinder 11 H2-Injector or High Pressure Injector High Side Circuit Low
P31D5	Cylinder 11 H2-Injector or High Pressure Injector High Side Circuit High
P31D6	Cylinder 12 H2-Injector or High Pressure Injector High Side Circuit Low
P31D7	Cylinder 12 H2-Injector or High Pressure Injector High Side Circuit High
P31DA	H2 and High Pressure Injector ECM Boost Voltage Too High (Bank 1)
P31DB	H2 and High Pressure Injector ECM Boost Voltage Too High (Bank 2)
P31DC	H2 and High Pressure Injector ECM Boost Voltage Too Low (Bank 1)
P31DD	H2 and High Pressure Injector ECM Boost Voltage Too Low (Bank 2)
P31DE	H2 and High Pressure Injector ECM Maximum Current not Reached (Bank 1)
P31DF	H2 and High Pressure Injector ECM Maximum Current not Reached (Bank 2)
P31E0	H2 and High Pressure Injector ECM Supply Voltage High (Bank 1)
P31E1	H2 and High Pressure Injector ECM Supply Voltage High (Bank 2)
P31E2	H2 and High Pressure Injector ECM Supply Voltage Low (Bank 1)
P31E3	H2 and High Pressure Injector ECM Supply Voltage Low (Bank 2)
P31E4	H2 and High Pressure Injector ECM Segment Timing Error (Bank 1)
P31E5	H2 and High Pressure Injector ECM Segment Timing Error (Bank 2)
P31E6	Internal H2 and High Pressure Injector ECM Error (Bank 1)
P31E7	Internal H2 and High Pressure Injector ECM Error (Bank 2)
P31E8	H2 and High Pressure Injector ECM Fuel Mode Correlation (Bank 1)
P31E9	H2 and High Pressure Injector ECM Fuel Mode Correlation (Bank 2)
P31EA	H2 and High Pressure Injector ECM, H2 Operation with Replacement Values (Bank 1)
P31EB	H2 and High Pressure Injector ECM, H2 Operation with Replacement Values (Bank 2)
P31EC	H2 and High Pressure Injector ECM, Gasoline Operation with Replacement Values (Bank 1)
P31ED	H2 and High Pressure Injector ECM, Gasoline Operation with Replacement Values (Bank 2)
P31EE	H2 and High Pressure Injector ECM, Switchover Fuel Mode Circuit (Bank 1)
P31EF	H2 and High Pressure Injector ECM, Switchover Fuel Mode Circuit Low (Bank 1)
P31F0	H2 and High Pressure Injector ECM, Switchover Fuel Mode Circuit High (Bank 1)
P31F1	H2 and High Pressure Injector ECM, Switchover Fuel Mode Circuit (Bank 2)
P31F2	H2 and High Pressure Injector ECM, Switchover Fuel Mode Circuit Low (Bank 2)
P31F3	H2 and High Pressure Injector ECM, Switchover Fuel Mode Circuit High (Bank 2)
P31F4	Cylinder 1 High Pressure Injector Low Side Shorted to Coil
P31F5	Cylinder 2 High Pressure Injector Low Side Shorted to Coil
P31F6	Cylinder 3 High Pressure Injector Low Side Shorted to Coil
P31F7	Cylinder 4 High Pressure Injector Low Side Shorted to Coil
P31F8	Cylinder 5 High Pressure Injector Low Side Shorted to Coil
P31F9	Cylinder 6 High Pressure Injector Low Side Shorted to Coil
P31FA	Cylinder 7 High Pressure Injector Low Side Shorted to Coil
P31FB	Cylinder 8 High Pressure Injector Low Side Shorted to Coil
P31FC	Cylinder 9 High Pressure Injector Low Side Shorted to Coil
P31FD	Cylinder 10 High Pressure Injector Low Side Shorted to Coil
P31FE	Cylinder 11 High Pressure Injector Low Side Shorted to Coil
P31FF	Cylinder 12 High Pressure Injector Low Side Shorted to Coil
P3200	Powertrain CAN, CAN Chip Defective
P3201	Powertrain CAN, DPRAM-CAN Chip Defective
P3202	Powertrain CAN, CAN Chip Cut-Off
P3203	Local CAN, LoCAN Chip Defective
P3204	Local CAN, DPRAM-LoCAN Chip Defective
P3205	Local CAN, CAN Chip Cut-Off
P3206	CAN Timeout ARS
P3207	CAN Message Monitoring ARS No Signal
P3208	CAN Message Monitoring ARS Plausibility
P3209	CAN Message Monitoring ASC/DSC Alive Check
P320A	Message Monitoring Torque Calculation AFS Alive Check/Check Sum Error

P320B	Message Monitoring Torque Calculation AFS Timeout
P320C	Message Monitoring Torque Calculation AFS Plausibility
P320D	CAN Message Monitoring ETC Timeout
P320E	Generator 2 Over Temperature
P320F	Generator 2 Control Circuit
P3210	CAN Message Monitoring ASC/DSC Plausibility
P3211	CAN Message Monitoring CAS No Signal
P3212	CAN Message Monitoring CAS Plausibility
P3213	CAN Message Monitoring ETC Alive Check
P3214	CAN Message Monitoring ETC Plausibility
P3215	CAN Message Monitoring IHKA (Automatic Heating and Air Conditioning) No Signal
P3216	CAN Timeout Instrument Pack
P3217	CAN Message Monitoring Instrument Pack Plausibility
P3218	CAN Message Monitoring PWML (Power Module) No Signal
P3219	CAN Message Monitoring SZL (Switch Cluster Steering Column) Alive Check
P321A	Generator 2 Mechanical
P321B	Generator 2 Lost Communication
P321C	Generator 2 Communication Error
P321D	CAN Message Monitoring Instrument Pack Alive Check
P321E	Ambient Pressure Sensor Maximum Pressure Implausible
P321F	Ambient Pressure Sensor Minimum Pressure Implausible
P3220	CAN Message Monitoring SZL (Switch Cluster Steering Column) No Signal
P3221	CAN Message Monitoring SZL (Switch Cluster Steering Column) Plausibility
P3222	Generator Over Temperature
P3223	Generator Mechanical
P3224	Generator Lost Communication
P3225	Generator Communication Error
P3226	E-Box Control Circuit Fan Circuit High
P3227	E-Box Control Circuit Fan Circuit Low
P3228	E-Box Control Circuit Fan Open Circuit
P3229	Load Sensor Monitoring VVL-Valve Stroke Plausibility
P322A	Barometric Pressure Sensor Continuity Error
P322B	Barometric Pressure Sensor Pressure Difference Between Master And Slave ECU Too Large
P322C	Barometric Pressure Sensor Circuit High (Bank 2)
P322D	Barometric Pressure Sensor 'A' Circuit Low (Bank 2)
P322E	Ambient Pressure Sensor Maximum Pressure Implausible (Bank 2)
P322F	Ambient Pressure Sensor Minimum Pressure Implausible (Bank 2)
P3230	Load Sensor Monitoring Pressure Sensor Circuit Range/Performance
P3231	Control Module Monitoring Error Response Plausibility
P3232	Control Module Monitoring Ignition Timing Plausibility
P3233	Control Module Monitoring Relative Charge Plausibility
P3234	Control Module Monitoring Throttle Valve Actuator Stop Test
P3235	Control Module Monitoring Safety Function Version Coding Error
P3236	Control Module Monitoring Injection Time Relative Fuel Quantity Plausibility
P3237	Control Module Monitoring Safety Function Fuel Correction Error
P3238	Control Module Monitoring TPU Chip Defective
P3239	Control Module Coding Process No Coding
P323A	Barometric Pressure Sensor Continuity Error (Bank 2)
P323B	Barometric Pressure Sensor Pressure Difference Between Master And Slave ECU Too Large (Bank 2)
P323C	Barometric Pressure Sensor Comparison Current to Last Driving Cycle Correlation
P323D	Control Module Monitoring Air Mass Flow Balancing, Control Range Monitoring
P323E	Control Module Monitoring Fuel Pressure Sensor
P323F	Control Module Monitoring Fuel Volume, Air Mass/Lambda - Injected Fuel Volume Correlation

P3240	Map Cooling Thermostat Control Circuit/Open
P3241	Map Cooling Thermostat Control Circuit Low
P3242	Map Cooling Thermostat Control Circuit High
P3243	CAN Timeout Electrical Auxiliary Heater
P3244	Electrical Auxiliary Heater Defective
P3245	Electrical Auxiliary Heater Overtemperature Condition
P3246	Electrical Auxiliary Heater
P3247	Internal Control Module NVRAM Backup Error
P3248	Torque Comparison Bank Deviation Too Large
P3249	Fuel Rail Pressure Sensor Circuit (Bank 2)
P324A	Generator Type Implausible
P324B	Generator 2 Type Implausible
P324C	Generator Over Temperature Calculated
P324D	Control Module Monitoring Safety Function Torque Speed Control Error
P324E	Generator Regulator Type Implausible
P324F	Control Module Monitoring Safety Function A-CAN Communication Error
P3250	Fuel Rail Pressure Sensor Circuit Low (Bank 2)
P3251	Fuel Rail Pressure Sensor Circuit High (Bank 2)
P3252	EVAP System Purge Control Valve Circuit High (Bank 2)
P3253	EVAP System Purge Control Valve Circuit Open (Bank 2)
P3254	EVAP System Purge Control Valve Circuit Low (Bank 2)
P3255	Generator Voltage in Starting Phase above Threshold
P3256	CAN Timeout Steering Angle Sensor Control Module
P3257	Generator - Emission Degradation Caused by Limp Home Operation
P3258	ECM Internal Correlation Error Measured/Calculated Lambda Value
P3259	Control Module Monitoring Fuel Volume, Lambda Implausible to Operating Mode (Homogeneous/Stratified Mode)
P325A	Generator Electrical Error Calculated
P325B	Control Module Monitoring Safety Function FlexRay Communication Error
P325C	Control Module Monitoring Safety Function Speed Sensor Error
P325D	Control Module Monitoring Safety Function Injection Rate Limitation Error
P325E	Control Module Monitoring Safety Function Ignition Timing Error
P325F	Control Module Monitoring Safety Function Fuel Volume Error
P3260	Control Module Monitoring Safety Function Master Identification Error
P3261	Mass or Volume Air Flow Too High due to Offset Drift
P3262	Mass or Volume Air Flow Too Low due to Offset Drift
P3263	Mass or Volume Air Flow Too High due to Sensor Drift
P3264	Mass or Volume Air Flow Too Low due to Sensor Drift
P3265	Mass or Volume Air Flow Too High due to Offset Drift (Bank 2)
P3266	Mass or Volume Air Flow Too Low due to Offset Drift (Bank 2)
P3267	Mass or Volume Air Flow Too High due to Sensor Drift (Bank 2)
P3268	Mass or Volume Air Flow Too Low due to Sensor Drift (Bank 2)
P3269	Air Mass Flow Sensor Supply Voltage High
P326A	Control Module Monitoring Safety Function A/D Converter Error
P326B	Control Module Monitoring Safety Function Air Flow Adjustment Error
P326C	Control Module Monitoring Safety Function Ratio Error
P326D	Control Module Monitoring Shutdown Path Error
P326E	Control Module Monitoring Safety Function Maximum Total Torque Error
P326F	Control Module Monitoring Safety Function Minimum Total Torque Error
P3270	Air Mass Flow Sensor Supply Voltage Low
P3271	Air Mass Flow Sensor Supply Voltage High (Bank 2)
P3272	Air Mass Flow Sensor Supply Voltage Low (Bank 2)
P3273	Mass or Volume Air Flow Too Low due to Too Low Signal Frequency
P3274	Mass or Volume Air Flow Too High due to Too High Signal Frequency

P3275	Mass or Volume Air Flow Too Low due to Too Low Signal Frequency (Bank 2)
P3276	Mass or Volume Air Flow Too High due to Too High Signal Frequency (Bank 2)
P3277	Boost Pressure Positioner Circuit
P3278	EGR Positioner Circuit
P3279	Swirl Flap Circuit
P327A	Control Module Monitoring Safety Function Injection Cut-Off Request
P327B	Control Module Monitoring Safety Function Ethanol Content Error
P327C	Control Module Monitoring Safety Function Maximum Acceleration Error
P327D	Control Module Monitoring Safety Function Vehicle Acceleration Error at Standstill Without Driver Request
P327E	Control Module Monitoring Safety Function Wheel Speed or Vehicle Acceleration Error
P327F	Control Module Monitoring Safety Function Engine RPM Error
P3280	Engine Smoothness Control Correction Quantity Too High or Too Low
P3281	Charge Air Temperature Sensor Circuit High (Bank 2)
P3282	Charge Air Temperature Sensor Circuit Low (Bank 2)
P3283	Fuel Pressure Control Adaptive Fuel Volume Out of Range (Bank 1)
P3284	Fuel Pressure Control Calculation Adaptive Fuel Volume Implausible (Bank 1)
P3285	Fuel Pressure Control Adaptive Fuel Volume Out of Range (Bank 2)
P3286	Fuel Pressure Control Calculation Adaptive Fuel Volume Implausible (Bank 2)
P3287	Internal Control Module Coding Process EEPROM Error
P3288	Control Module Monitoring Engine Variant CAN-Timeout
P3289	Control Module Monitoring Engine Variant Plausibility
P328A	Control Module Monitoring Safety Function Torque Monitoring Drive Motor 'A'
P328B	Mass or Volume Air Flow 'A' Circuit Range/Performance - Air Flow Too High or Too Low
P328C	Control Module Monitoring Safety Function Vehicle Deceleration Error
P328D	Control Module Monitoring Safety Function Rear Axle Wheels Locked
P328E	Control Module Monitoring Safety Function E-Drive Shutdown
P328F	Control Module Monitoring Safety Function Drive Motor 'B' Control Module Shutdown
P3290	Barometric Pressure Sensor 'A' Evaluation Electronics Hardware
P3300	Ignition Coil Cylinder 1 Circuit High or None-Impedance
P3301	Ignition Coil Cylinder 1 Contact Resistance or High-Impedance
P3302	Ignition Coil Cylinder 1 Cut-Off due to Overtemperature Condition, or No Signal
P3303	Ignition Coil Cylinder 5 Circuit High or None-Impedance
P3304	Ignition Coil Cylinder 5 Contact Resistance or High-Impedance
P3305	Ignition Coil Cylinder 5 Cut-Off due to Overtemperature Condition, or No Signal
P3306	Ignition Coil Cylinder 4 Circuit High or None-Impedance
P3307	Ignition Coil Cylinder 4 Contact Resistance or High-Impedance
P3308	Ignition Coil Cylinder 4 Cut-Off due to Overtemperature Condition, or No Signal
P3309	Ignition Coil Cylinder 8 Circuit High or None-Impedance
P330A	Engine Oil Warning Lamp Circuit High
P330B	Engine Oil Warning Lamp Circuit Low
P330C	Engine Oil Warning Lamp Circuit
P3310	Ignition Coil Cylinder 8 Contact Resistance or High-Impedance
P3311	Ignition Coil Cylinder 8 Cut-Off due to Overtemperature Condition, or No Signal
P3312	Ignition Coil Cylinder 6 Circuit High or None-Impedance
P3313	Ignition Coil Cylinder 6 Contact Resistance or High-Impedance
P3314	Ignition Coil Cylinder 6 Cut-Off due to Overtemperature Condition, or No Signal
P3315	Ignition Coil Cylinder 3 Circuit High or None-Impedance
P3316	Ignition Coil Cylinder 3 Contact Resistance or High-Impedance
P3317	Ignition Coil Cylinder 3 Cut-Off due to Overtemperature Condition, or No Signal
P3318	Ignition Coil Cylinder 7 Circuit High or None-Impedance
P3319	Ignition Coil Cylinder 7 Contact Resistance or High-Impedance
P3320	Ignition Coil Cylinder 7 Cut-Off due to Overtemperature Condition, or No Signal
P3321	Ignition Coil Cylinder 2 Circuit High or None-Impedance

P3322	Ignition Coil Cylinder 2 Contact Resistance or High-Impedance
P3323	Ignition Coil Cylinder 2 Cut-Off due to Overtemperature Condition, or No Signal
P3324	Ignition Coil Cylinder 9 Circuit High or None-Impedance
P3325	Ignition Coil Cylinder 9 Contact Resistance or High-Impedance
P3326	Ignition Coil Cylinder 9 Cut-Off due to Overtemperature Condition, or No Signal
P3327	Ignition Coil Cylinder 10 Circuit High or None-Impedance
P3328	Ignition Coil Cylinder 10 Contact Resistance or High-Impedance
P3329	Ignition Coil Cylinder 10 Cut-Off due to Overtemperature Condition, or No Signal
P3330	Ignition Coil Cylinder 11 Circuit High or None-Impedance
P3331	Ignition Coil Cylinder 11 Contact Resistance or High-Impedance
P3332	Ignition Coil Cylinder 11 Cut-Off due to Overtemperature Condition, or No Signal
P3333	Ignition Coil Cylinder 12 Circuit High or None-Impedance
P3334	Ignition Coil Cylinder 12 Contact Resistance or High-Impedance
P3335	Ignition Coil Cylinder 12 Cut-Off due to Overtemperature Condition, or No Signal
P3336	Function Monitoring Control Module Communication Master/Slave
P3337	Control Module Monitoring Safety Function Lambda Plausibility Error
P3400	Cylinder Deactivation System (Bank 1)
P3401	Cylinder 1 Deactivation/Intake Valve Control Circuit/Open
P3402	Cylinder 1 Deactivation/Intake Valve Control Circuit Performance
P3403	Cylinder 1 Deactivation/Intake Valve Control Circuit Low
P3404	Cylinder 1 Deactivation/Intake Valve Control Circuit High
P3405	Cylinder 1 Exhaust Valve Control Circuit/Open
P3406	Cylinder 1 Exhaust Valve Control Circuit Performance
P3407	Cylinder 1 Exhaust Valve Control Circuit Low
P3408	Cylinder 1 Exhaust Valve Control Circuit High
P3409	Cylinder 2 Deactivation/Intake Valve Control Circuit/Open
P340A	Deactivation/Intake Valve Control Circuit (Bank 1)
P340B	Deactivation/Intake Valve Control Circuit (Bank 2)
P340C	Deactivation/Exhaust Valve Control Circuit (Bank 1)
P340D	Deactivation/Exhaust Valve Control Circuit (Bank 2)
P3410	Cylinder 2 Deactivation/Intake Valve Control Circuit Performance
P3411	Cylinder 2 Deactivation/Intake Valve Control Circuit Low
P3412	Cylinder 2 Deactivation/Intake Valve Control Circuit High
P3413	Cylinder 2 Exhaust Valve Control Circuit/Open
P3414	Cylinder 2 Exhaust Valve Control Circuit Performance
P3415	Cylinder 2 Exhaust Valve Control Circuit Low
P3416	Cylinder 2 Exhaust Valve Control Circuit High
P3417	Cylinder 3 Deactivation/Intake Valve Control Circuit/Open
P3418	Cylinder 3 Deactivation/Intake Valve Control Circuit Performance
P3419	Cylinder 3 Deactivation/Intake Valve Control Circuit Low
P341A	Deactivation/Intake Valve Control Circuit Performance (Bank 1)
P341B	Deactivation/Intake Valve Control Circuit Performance (Bank 2)
P341C	Deactivation/Exhaust Valve Control Circuit Performance (Bank 1)
P341D	Deactivation/Exhaust Valve Control Circuit Performance (Bank 2)
P3420	Cylinder 3 Deactivation/Intake Valve Control Circuit High
P3421	Cylinder 3 Exhaust Valve Control Circuit/Open
P3422	Cylinder 3 Exhaust Valve Control Circuit Performance
P3423	Cylinder 3 Exhaust Valve Control Circuit Low
P3424	Cylinder 3 Exhaust Valve Control Circuit High
P3425	Cylinder 4 Deactivation/Intake Valve Control Circuit/Open
P3426	Cylinder 4 Deactivation/Intake Valve Control Circuit Performance
P3427	Cylinder 4 Deactivation/Intake Valve Control Circuit Low
P3428	Cylinder 4 Deactivation/Intake Valve Control Circuit High

P3429	Cylinder 4 Exhaust Valve Control Circuit/Open
P3430	Cylinder 4 Exhaust Valve Control Circuit Performance
P3431	Cylinder 4 Exhaust Valve Control Circuit Low
P3432	Cylinder 4 Exhaust Valve Control Circuit High
P3433	Cylinder 5 Deactivation/Intake Valve Control Circuit/Open
P3434	Cylinder 5 Deactivation/Intake Valve Control Circuit Performance
P3435	Cylinder 5 Deactivation/Intake Valve Control Circuit Low
P3436	Cylinder 5 Deactivation/Intake Valve Control Circuit High
P3437	Cylinder 5 Exhaust Valve Control Circuit/Open
P3438	Cylinder 5 Exhaust Valve Control Circuit Performance
P3439	Cylinder 5 Exhaust Valve Control Circuit Low
P3440	Cylinder 5 Exhaust Valve Control Circuit High
P3441	Cylinder 6 Deactivation/Intake Valve Control Circuit/Open
P3442	Cylinder 6 Deactivation/Intake Valve Control Circuit Performance
P3443	Cylinder 6 Deactivation/Intake Valve Control Circuit Low
P3444	Cylinder 6 Deactivation/Intake Valve Control Circuit High
P3445	Cylinder 6 Exhaust Valve Control Circuit/Open
P3446	Cylinder 6 Exhaust Valve Control Circuit Performance
P3447	Cylinder 6 Exhaust Valve Control Circuit Low
P3448	Cylinder 6 Exhaust Valve Control Circuit High
P3449	Cylinder 7 Deactivation/Intake Valve Control Circuit/Open
P3450	Cylinder 7 Deactivation/Intake Valve Control Circuit Performance
P3451	Cylinder 7 Deactivation/Intake Valve Control Circuit Low
P3452	Cylinder 7 Deactivation/Intake Valve Control Circuit High
P3453	Cylinder 7 Exhaust Valve Control Circuit/Open
P3454	Cylinder 7 Exhaust Valve Control Circuit Performance
P3455	Cylinder 7 Exhaust Valve Control Circuit Low
P3456	Cylinder 7 Exhaust Valve Control Circuit High
P3457	Cylinder 8 Deactivation/Intake Valve Control Circuit/Open
P3458	Cylinder 8 Deactivation/Intake Valve Control Circuit Performance
P3459	Cylinder 8 Deactivation/Intake Valve Control Circuit Low
P3460	Cylinder 8 Deactivation/Intake Valve Control Circuit High
P3461	Cylinder 8 Exhaust Valve Control Circuit/Open
P3462	Cylinder 8 Exhaust Valve Control Circuit Performance
P3463	Cylinder 8 Exhaust Valve Control Circuit Low
P3464	Cylinder 8 Exhaust Valve Control Circuit High
P3465	Cylinder 9 Deactivation/Intake Valve Control Circuit/Open
P3466	Cylinder 9 Deactivation/Intake Valve Control Circuit Performance
P3467	Cylinder 9 Deactivation/Intake Valve Control Circuit Low
P3468	Cylinder 9 Deactivation/Intake Valve Control Circuit High
P3469	Cylinder 9 Exhaust Valve Control Circuit/Open
P3470	Cylinder 9 Exhaust Valve Control Circuit Performance
P3471	Cylinder 9 Exhaust Valve Control Circuit Low
P3472	Cylinder 9 Exhaust Valve Control Circuit High
P3473	Cylinder 10 Deactivation/Intake Valve Control Circuit/Open
P3474	Cylinder 10 Deactivation/Intake Valve Control Circuit Performance
P3475	Cylinder 10 Deactivation/Intake Valve Control Circuit Low
P3476	Cylinder 10 Deactivation/Intake Valve Control Circuit High
P3477	Cylinder 10 Exhaust Valve Control Circuit/Open
P3478	Cylinder 10 Exhaust Valve Control Circuit Performance
P3479	Cylinder 10 Exhaust Valve Control Circuit Low
P3480	Cylinder 10 Exhaust Valve Control Circuit High
P3481	Cylinder 11 Deactivation/Intake Valve Control Circuit/Open

P3482	Cylinder 11 Deactivation/Intake Valve Control Circuit Performance
P3483	Cylinder 11 Deactivation/Intake Valve Control Circuit Low
P3484	Cylinder 11 Deactivation/Intake Valve Control Circuit High
P3485	Cylinder 11 Exhaust Valve Control Circuit/Open
P3486	Cylinder 11 Exhaust Valve Control Circuit Performance
P3487	Cylinder 11 Exhaust Valve Control Circuit Low
P3488	Cylinder 11 Exhaust Valve Control Circuit High
P3489	Cylinder 12 Deactivation/Intake Valve Control Circuit/Open
P3490	Cylinder 12 Deactivation/Intake Valve Control Circuit Performance
P3491	Cylinder 12 Deactivation/Intake Valve Control Circuit Low
P3492	Cylinder 12 Deactivation/Intake Valve Control Circuit High
P3493	Cylinder 12 Exhaust Valve Control Circuit/Open
P3494	Cylinder 12 Exhaust Valve Control Circuit Performance
P3495	Cylinder 12 Exhaust Valve Control Circuit Low
P3496	Cylinder 12 Exhaust Valve Control Circuit High
P3497	Cylinder Deactivation System (Bank 2)
P3498	Cylinder 1 Deactivation Performance
P3499	Cylinder 2 Deactivation Performance
P349A	Cylinder 3 Deactivation Performance
P349B	Cylinder 4 Deactivation Performance
P349C	Cylinder 5 Deactivation Performance
P349D	Cylinder 6 Deactivation Performance
P349E	Cylinder 7 Deactivation Performance
P349F	Cylinder 8 Deactivation Performance
P34A0	Cylinder 9 Deactivation Performance
P34A1	Cylinder 10 Deactivation Performance
P34A2	Cylinder 11 Deactivation Performance
P34A3	Cylinder 12 Deactivation Performance
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	Control Module Communication Bus 'A' Off
U0074	Control Module Communication Bus 'B' Off
U0075	Control Module Communication Bus 'C' Off
U0076	Control Module Communication Bus 'D' Off
U0077	Control Module Communication Bus 'E' Off
U0078	Control Module Communication Bus 'F' Off

U0079	Control Module Communication Bus 'G' Off
U007A	Control Module Communication Bus 'H' Off
U007B	Control Module Communication Bus 'I' Off
U007C	Control Module Communication Bus 'J' Off
U007D	Control Module Communication Bus 'K' Off
U007E	Control Module Communication Bus 'L' Off
U007F	Control Module Communication Bus 'M' Off
U0080	Vehicle Communication Bus F
U0081	Vehicle Communication Bus F Performance
U0082	Vehicle Communication Bus F + Open
U0083	Vehicle Communication Bus F + Low
U0084	Vehicle Communication Bus F + High
U0085	Vehicle Communication Bus F - Open
U0086	Vehicle Communication Bus F - Low
U0087	Vehicle Communication Bus F - High
U0088	Vehicle Communication Bus F - Shorted to Bus F +
U0089	Vehicle Communication Bus G
U008A	Vehicle Communication Bus G Performance
U008B	Vehicle Communication Bus G (+) Open
U008C	Vehicle Communication Bus G (+) Low
U008D	Vehicle Communication Bus G (+) High
U008E	Vehicle Communication Bus G (-) Open
U008F	Vehicle Communication Bus G (-) Low
U0090	Vehicle Communication Bus G (-) High
U0091	Vehicle Communication Bus G (-) shorted to Bus G (+)
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 Control Module 'A'
U0104	Lost Communication With Cruise Control Module
U0105	Lost Communication With Fuel Injector Control Module
U0106	Lost Communication With Glow Plug Control Module 1
U0107	Lost Communication With Throttle Actuator 'A' Control Module
U0108	Lost Communication With Alternative Fuel Control Module
U0109	Lost Communication With Fuel Pump Control Module 'A'
U010A	Lost Communication With Exhaust Gas Recirculation Control Module 'A'
U010B	Lost Communication With Exhaust Gas Recirculation Control Module 'B'
U010C	Lost Communication With Turbocharger/Supercharger Control Module 'A'
U010D	Lost Communication With Turbocharger/Supercharger Control Module 'B'
U010E	Lost Communication With Reductant Control Module
U010F	Lost Communication With Air Conditioning Control Module
U0110	Lost Communication With Drive Motor Control Module 'A'
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	Lost Communication With Coolant Temperature Control Module
U0117	Lost Communication With PTO Control Module
U0118	Lost Communication With Fuel Additive Control Module
U0119	Lost Communication With Fuel Cell Control Module
U011A	Lost Communication With Exhaust Gas Sensor Module
U011B	Lost Communication With Rocker Arm Control Module 'A'

U011C	Lost Communication With Rocker Arm Control Module 'B'
U011D	Lost Communication With All Wheel Drive Control Module
U011E	Lost Communication With Throttle Actuator 'B' Control Module
U0120	Lost Communication With Starter/Generator Control Module
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 'A'
U012A	Lost Communication with Chassis Control Module 'A'
U012B	Lost Communication with Chassis Control Module 'B'
U012C	Lost Communication with Active Vibration Control Module
U012D	Lost Communication With Generator Control Module
U0130	Lost Communication With Steering Effort Control Module
U0131	Lost Communication With Power Steering Control Module
U0132	Lost Communication With Suspension Control Module 'A'
U0133	Lost Communication With Active Roll Control Module
U0134	Lost Communication With Power Steering Control Module (Rear)
U0135	Lost Communication With Differential Control Module (Front)
U0136	Lost Communication With Differential Control Module (Rear)
U0137	Lost Communication With Trailer Brake Control Module
U0138	Lost Communication with All Terrain Control Module
U0139	Lost Communication With Suspension Control Module 'B'
U013C	Lost Communication with Accelerator Pedal Module Channel
U013D	Lost Communication With Vacuum Sensor 'A'
U013E	Lost Communication With Vacuum Sensor 'B'
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 (Left)
U0153	Lost Communication With Side Restraints Control Module (Right)
U0154	Lost Communication With Restraints Occupant Classification System Module
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module
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 'A'
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 (Rear)
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
U016A	Lost Communication With Global Positioning System Module
U016B	Lost Communication With Electric A/C Compressor Control Module
U016C	Lost Communication With Fuel Pump Control Module 'B'
U016D	Lost Communication With Exhaust Gas Sensor Module 'B'
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'
U017A	Lost Communication With 'Restraints System Sensor K'
U017B	Lost Communication With 'Restraints System Sensor L'
U017C	Lost Communication With 'Restraints System Sensor M'
U017D	Lost Communication With 'Restraints System Sensor N'
U017E	Lost Communication With Seatbelt Pretensioner Module 'A'
U017F	Lost Communication With Seatbelt Pretensioner Module 'B'
U0180	Lost Communication With Automatic Lighting Control Module
U0181	Lost Communication With Headlight Levelling Control Module 'A'
U0182	Lost Communication With Lighting Control Module (Front)
U0183	Lost Communication With Lighting Control Module (Rear 'A')
U0184	Lost Communication With Radio
U0185	Lost Communication With Antenna Control Module
U0186	Lost Communication With Audio Amplifier 'A'
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 Entertainment Control Module (Rear 'A')
U0197	Lost Communication With Telephone Control Module
U0198	Lost Communication With Telematic Control Module
U0199	Lost Communication With 'Door Control Module A'
U019A	Lost Communication With Tachograph Module
U019B	Lost Communication With Battery Charger Control Module
U019C	Lost Communication With Glow Plug Control Module 2
U019D	Lost Communication with Direct Ozone Reduction Catalyst Temperature Sensor
U019E	Lost Communication With Transmission Range Control Module
U019F	Lost Communication With Engine Coolant Pump Control Module

U01A0	Lost Communication with Hybrid/EV Battery Interface Control Module 'A'
U01A1	Lost Communication with Hybrid/EV Battery Interface Control Module 'B'
U01A2	Lost Communication with Hybrid/EV Battery Interface Control Module 'C'
U01A3	Lost Communication with Hybrid/EV Battery Interface Control Module 'D'
U01A4	Lost Communication with Hybrid/EV Battery Interface Control Module 'E'
U01A5	Lost Communication with Hybrid/EV Battery Interface Control Module 'F'
U01A6	Lost Communication with Hybrid/EV Battery Interface Control Module 'G'
U01A7	Lost Communication with Hybrid/EV Battery Interface Control Module 'H'
U01A8	Lost Communication with Hybrid/EV Battery Interface Control Module 'I'
U01A9	Lost Communication with Hybrid/EV Battery Interface Control Module 'J'
U01AA	Lost Communication with Hybrid/EV Battery Interface Control Module 'K'
U01AB	Lost Communication with Hybrid/EV Battery Interface Control Module 'L'
U01AC	Lost Communication with Hybrid/EV Battery Interface Control Module 'M'
U01AD	Lost Communication with Hybrid/EV Battery Interface Control Module 'N'
U01AE	Lost Communication with Hybrid/EV Battery Interface Control Module 'O'
U01AF	Lost Communication with Hybrid/EV Battery Interface Control Module 'P'
U01B0	Lost Communication with Battery Monitor Module
U01B1	Lost Communication With Particulate Matter Sensor
U01B2	Lost Communication With Planetary Gear Set Control Module
U01B3	Lost Communication With Brake Blending Actuator
U01B4	Lost Communication with Brake System Control Module 'B'
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 Moveable Roof Control Module 'A'
U0208	Lost Communication With Seat Control Module 'A'
U0209	Lost Communication With Seat Control Module 'B'
U020A	Lost Communication With Moveable Roof Control Module 'B'
U020B	Lost Communication With 'Door Control Module H'
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 (Left)
U0233	Lost Communication With Side Obstacle Detection Control Module (Right)
U0234	Lost Communication With Convenience Recall Module
U0235	Lost Communication With Front Distance Range Sensor - Single or Center
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'
U023A	Lost Communication With Image Processing Module 'A'
U023B	Lost Communication With Image Processing Module 'B'
U023C	Lost Communication With Image Processing Module 'C'
U023D	Lost Communication With Front Distance Range Sensor - Left
U023E	Lost Communication With Front Distance Range Sensor - Right
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 'A'
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')
U024A	Lost Communication With Interior Lighting Control Module
U024B	Lost Communication with Seat Control Module 'G'
U024C	Lost Communication with Seat Control Module 'H'
U0250	Lost Communication With Impact Classification System Module
U0251	Lost Communication With Running Board Control Module 'B'
U0252	Lost Communication With Lighting Control Module (Rear 'B')
U0253	Lost Communication With Accessory Protocol Interface Module
U0254	Lost Communication With Remote Start Module
U0255	Lost Communication With Front Display Interface Module
U0256	Lost Communication With Front Controls Interface Module
U0257	Lost Communication With Front Controls / Display Interface Module
U0258	Lost Communication With Radio Transceiver
U0259	Lost Communication With Special Purpose Vehicle Control Module 'A'
U025A	Lost Communication With Special Purpose Vehicle Control Module 'B'
U025B	Lost Communication With Special Purpose Vehicle Control Module 'C'
U025C	Lost Communication With Special Purpose Vehicle Control Module 'D'
U025D	Lost Communication With Front Controls Interface Module 'B'
U0260	Lost Communication With Seat Control Switch Module 'A'
U0261	Lost Communication With Seat Control Switch Module 'B'
U0262	Lost Communication With Audio Amplifier 'B'
U0263	Lost Communication With Speech Recognition Module
U0264	Lost Communication With Camera Module - Rear
U0265	Lost Communication with Image Processing Sensor A
U0266	Lost Communication with Image Processing Sensor B
U0267	Lost Communication with Image Processing Sensor C
U0268	Lost Communication with Image Processing Sensor D
U0269	Lost Communication with Image Processing Sensor E
U026A	Lost Communication with Image Processing Sensor F

U026B	Lost Communication with Image Processing Sensor G
U026C	Lost Communication with Image Processing Sensor H
U026D	Lost Communication with Image Processing Sensor I
U026E	Lost Communication with Image Processing Sensor J
U026F	Lost Communication with Image Processing Sensor K
U0270	Lost Communication with Image Processing Sensor L
U0284	Lost Communication with Active Grill Air Shutter Module 'A'
U0285	Lost Communication with Active Grill Air Shutter Module 'B'
U0286	Lost Communication With Radiator Anti Tamper Device
U0287	Lost Communication With Transmission Fluid Pump Module 'A'
U0288	Lost Communication With DC to AC Converter Control Module 'A'
U0289	Lost Communication With DC/AC Converter Control Module 'B'
U028A	Lost Communication With Transmission Fluid Pump Module 'B'
U0291	Lost Communication With Gear Shift Control Module 'B'
U0292	Lost Communication With Drive Motor Control Module 'B'
U0293	Lost Communication With Hybrid/EV Powertrain Control Module
U0294	Lost Communication With Powertrain Control Monitor Module
U0295	Lost Communication With AC/AC Converter Control Module
U0296	Lost Communication With AC/DC Converter Control Module 'A'
U0297	Lost Communication With AC/DC Converter Control Module 'B'
U0298	Lost Communication With DC/DC Converter Control Module 'A'
U0299	Lost Communication With DC/DC Converter Control Module 'B'
U029A	Lost Communication With Hybrid/EV Battery Pack Sensor Module
U029B	Lost Communication With Drive Motor Control Module 'C'
U029C	Lost Communication With Drive Motor Control Module 'D'
U029D	Lost Communication With NOx Sensor 'A'
U029E	Lost Communication With NOx Sensor 'B'
U029F	Lost Communication with Evaporative Emission System Leak Detection Control Module
U02A0	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'D'
U02A2	Lost Communication with Reductant Quality Module
U02A3	Lost Communication With PM Sensor
U02A4	Lost Communication With NH3 Sensor
U02A5	Lost Communication with Reductant Heater Control Module
U02A6	Lost Communication With Safety Integration Control Module
U02A7	Lost Communication with Engine Sound Control 'A'
U02A8	Lost Communication with Engine Sound Control 'B'
U02A9	Loss of Communication to Charge Air Cooler Coolant Pump
U02AA	Lost Communication With Engine Disconnect Clutch
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 'A'
U0305	Software Incompatibility With Cruise Control Module
U0306	Software Incompatibility With Fuel Injector Control Module
U0307	Software Incompatibility With Glow Plug Control Module 1
U0308	Software Incompatibility With Throttle Actuator Control Module
U0309	Software Incompatibility With Alternative Fuel Control Module
U030A	Software Incompatibility with Evaporative Emission System Leak Detection Control Module
U030B	Software Incompatibility with Glow Plug Control Module 2
U030C	Software Incompatibility with Reductant Quality Module
U030D	Software Incompatibility with NOx Sensor 'A'
U030E	Software Incompatibility with NOx Sensor 'B'

U0310	Software Incompatibility With Fuel Pump Control Module
U0311	Software Incompatibility With Drive Motor Control Module 'A'
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 (ABS) 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 'A'
U0319	Software Incompatibility With Steering Effort Control Module
U031A	Software Incompatibility With Transmission Range Control Module
U031B	Software Incompatibility With DC/DC Converter Control Module 'A'
U031C	Software Incompatibility With Brake System Control Module 'B'
U0320	Software Incompatibility With Power Steering Control Module
U0321	Software Incompatibility With Suspension Control Module 'A'
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
U0333	Software Incompatibility With Gear Shift Control Module 'B'
U0334	Software Incompatibility With Radio
U0335	Software Incompatibility With Hybrid/EV Battery Pack Sensor Module
U0336	Software Incompatibility with Restraints Control Module
U0337	Software Incompatibility with Battery Charger Control Module
U0338	Software Incompatibility with Remote Function Actuation
U0339	Software Incompatibility with Body Control Module 'B'
U033A	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'A'
U033B	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'B'
U033C	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'C'
U033D	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'D'
U033E	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'E'
U033F	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'F'
U0340	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'G'
U0341	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'H'
U0342	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'I'
U0343	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'J'
U0344	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'K'
U0345	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'L'
U0346	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'M'
U0347	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'N'
U0348	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'O'
U0349	Software Incompatibility With Hybrid/EV Battery Interface Control Module 'P'
U034A	Software Incompatibility With Engine Disconnect Clutch
U034B	Software Incompatibility with Brake Booster Control
U0400	Invalid Data Received
U0401	Invalid Data Received From ECM/PCM 'A'

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 'A'
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 1
U0408	Invalid Data Received From Throttle Actuator 'A' Control Module
U0409	Invalid Data Received From Alternative Fuel Control Module
U040A	Invalid Data Received From Air Conditioning Control Module
U040B	Invalid Data Received From Exhaust Gas Recirculation Control Module 'A'
U040C	Invalid Data Received From Exhaust Gas Recirculation Control Module 'B'
U040D	Invalid Data Received From Turbocharger/Supercharger Control Module 'A'
U040E	Invalid Data Received From Turbocharger/Supercharger Control Module 'B'
U040F	Invalid Data Received From Reductant Control Module
U0410	Invalid Data Received From Fuel Pump Control Module 'A'
U0411	Invalid Data Received From Drive Motor Control Module 'A'
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 (ABS) 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 'A'
U0419	Invalid Data Received From Steering Effort Control Module
U041B	Invalid Data Received From Exhaust Gas Sensor Module
U041C	Invalid Data Received From Rocker Arm Control Module 'A'
U041D	Invalid Data Received From Rocker Arm Control Module 'B'
U041E	Invalid Data Received From All Wheel Drive Control Module
U041F	Invalid Data Received From Throttle Actuator 'B' Control Module
U0420	Invalid Data Received From Power Steering Control Module
U0421	Invalid Data Received From Suspension Control Module 'A'
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
U042B	Invalid Data Received from Chassis Control Module 'A'
U042C	Invalid Data Received from Chassis Control Module 'B'
U042D	Invalid Data Received from Active Vibration Control Module
U042E	Invalid Data Received From Generator 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 Front Distance Range Sensor (Single or Center)
U0434	Invalid Data Received From Active Roll Control Module
U0435	Invalid Data Received From Power Steering Control Module - Rear
U0436	Invalid Data Received From Differential Control Module - Front
U0437	Invalid Data Received From Differential Control Module - Rear
U0438	Invalid Data Received From Trailer Brake Control Module
U0439	Invalid Data Received From All Terrain Control Module

U043A	Invalid Data Received From Suspension Control Module 'B'
U043B	Invalid Data Received From Front Distance Range Sensor Left
U043C	Invalid Data Received From Front Distance Range Sensor Right
U043D	Invalid Data Received From Accelerator Pedal Module
U043E	Invalid Data Received From Vacuum Sensor 'A'
U043F	Invalid Data Received From Vacuum Sensor 'B'
U0441	Invalid Data Received From Emissions Critical Control Information
U0442	Invalid Data Received From ECM/PCM 'B'
U0443	Invalid Data Received From Body Control Module 'B'
U0444	Invalid Data Received From Body Control Module 'C'
U0445	Invalid Data Received From Body Control Module 'D'
U0446	Invalid Data Received From Body Control Module 'E'
U0447	Invalid Data Received From Gateway 'A'
U0448	Invalid Data Received From Gateway 'B'
U0449	Invalid Data Received From Gateway 'C'
U044A	Invalid Data Received From Gateway 'D'
U0450	Invalid Data Received From Gateway 'D'
U0451	Invalid Data Received From Gateway 'E'
U0452	Invalid Data Received From Restraints Control Module
U0453	Invalid Data Received From Side Restraints Control Module - Left
U0454	Invalid Data Received From Side Restraints Control Module - Right
U0455	Invalid Data Received From Restraints Occupant Classification System Module
U0456	Invalid Data Received From Coolant Temperature Control Module
U0457	Invalid Data Received From Information Center 'A'
U0458	Invalid Data Received From Information Center 'B'
U0459	Invalid Data Received From Head Up Display
U045A	Invalid Data Received From Parking Assist Control Module 'A'
U0461	Invalid Data Received From Audible Alert Control Module
U0462	Invalid Data Received From Compass Module
U0463	Invalid Data Received From Navigation Display Module
U0464	Invalid Data Received From Navigation Control Module
U0465	Invalid Data Received From PTO Control Module
U0466	Invalid Data Received From HVAC Control Module - Rear
U0467	Invalid Data Received From Fuel Additive Control Module
U0468	Invalid Data Received From Fuel Cell Control Module
U0469	Invalid Data Received From Starter/Generator Control Module
U046A	Invalid Data Received From Sunroof Control Module
U046B	Invalid Data Received From Global Positioning System Module
U046C	Invalid Data Received From Electric A/C Compressor Control Module
U046D	Invalid Data Received from Fuel Pump Control Module 'B'
U046E	Invalid Data Received From Exhaust Gas Sensor Module 'B'
U0471	Invalid Data Received From Restraints System Sensor 'A'
U0472	Invalid Data Received From Restraints System Sensor 'B'
U0473	Invalid Data Received From Restraints System Sensor 'C'
U0474	Invalid Data Received From Restraints System Sensor 'D'
U0475	Invalid Data Received From Restraints System Sensor 'E'
U0476	Invalid Data Received From Restraints System Sensor 'F'
U0477	Invalid Data Received From Restraints System Sensor 'G'
U0478	Invalid Data Received From Restraints System Sensor 'H'
U0479	Invalid Data Received From Restraints System Sensor 'I'
U047A	Invalid Data Received From Restraints System Sensor 'J'
U047B	Invalid Data Received From Restraints System Sensor 'K'
U047C	Invalid Data Received From Restraints System Sensor 'L'

U047D	Invalid Data Received From Restraints System Sensor 'M'
U047E	Invalid Data Received From Restraints System Sensor 'N'
U047F	Invalid Data Received From Seatbelt Pretensioner Module 'A'
U0480	Invalid Data Received From Seatbelt Pretensioner Module 'B'
U0481	Invalid Data Received From Automatic Lighting Control Module
U0482	Invalid Data Received From Headlamp Levelling Control Module 'A'
U0483	Invalid Data Received From Lighting Control Module - Front
U0484	Invalid Data Received From Lighting Control Module - Rear 'A'
U0485	Invalid Data Received From Radio
U0486	Invalid Data Received From Antenna Control Module
U0487	Invalid Data Received From Audio Amplifier 'A'
U0488	Invalid Data Received From Digital Disc Player/Changer Module 'A'
U0489	Invalid Data Received From Digital Disc Player/Changer Module 'B'
U048A	Invalid Data Received From Digital Disc Player/Changer Module 'C'
U0491	Invalid Data Received From Digital Disc Player/Changer Module 'D'
U0492	Invalid Data Received From Television
U0493	Invalid Data Received From Personal Computer
U0494	Invalid Data Received From Digital Audio Control Module 'A'
U0495	Invalid Data Received From Digital Audio Control Module 'B'
U0496	Invalid Data Received From Subscription Entertainment Receiver Module
U0497	Invalid Data Received From Entertainment Control Module - Rear 'A'
U0498	Invalid Data Received From Telephone Control Module
U0499	Invalid Data Received From Telematic Control Module
U049A	Invalid Data Received From Door Control Module 'A'
U049B	Invalid Data Received from Tachograph Module
U049C	Invalid Data Received from Battery Charger Control Module
U049D	Invalid Data Received from Glow Plug Control Module 2
U049E	Invalid Data Received From Direct Ozone Reduction Catalyst Temperature Sensor
U049F	Invalid Data Received From Transmission Range Control Module
U04A0	Invalid Data Received From Engine Coolant Pump Control Module
U04A1	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'A'
U04A2	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'B'
U04A3	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'C'
U04A4	Invalid Data Received From PM Sensor
U04A5	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'E'
U04A6	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'F'
U04A7	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'G'
U04A8	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'H'
U04A9	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'I'
U04AA	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'J'
U04AB	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'K'
U04AC	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'L'
U04AD	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'M'
U04AE	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'N'
U04AF	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'O'
U04B0	Invalid Data Received From Hybrid/EV Battery Interface Control Module 'P'
U04B1	Invalid Data Received From Battery Monitor Module
U04B2	Invalid Data Received From Particulate Matter Sensor
U04B3	Invalid Data Received From Planetary Gear Set Control Module
U04B4	Invalid Data Received From Brake Blending Actuator
U04B5	Invalid Data Received from Brake System Control Module 'B'
U0501	Invalid Data Received From Door Control Module 'B'
U0502	Invalid Data Received From Door Control Module 'C'

U0503	Invalid Data Received From Door Control Module 'D'
U0504	Invalid Data Received From Door Control Module 'E'
U0505	Invalid Data Received From Door Control Module 'F'
U0506	Invalid Data Received From Door Control Module 'G'
U0507	Invalid Data Received From Folding Top Control Module
U0508	Invalid Data Received From Moveable Roof Control Module 'A'
U0509	Invalid Data Received From Seat Control Module 'A'
U050A	Invalid Data Received From Seat Control Module 'B'
U050B	Invalid Data Received From Moveable Roof Control Module 'B'
U050C	Invalid Data Received From 'Door Control Module H'
U0511	Invalid Data Received From Seat Control Module 'C'
U0512	Invalid Data Received From Seat Control Module 'D'
U0513	Invalid Data Received From Yaw Rate Sensor Module
U0514	Invalid Data Received From Mirror Control Module
U0515	Invalid Data Received From Remote Function Actuation
U0516	Invalid Data Received From Door Switch 'A'
U0517	Invalid Data Received From Door Switch 'B'
U0518	Invalid Data Received From Door Switch 'C'
U0519	Invalid Data Received From Door Switch 'D'
U051A	Invalid Data Received From Door Switch 'E'
U0521	Invalid Data Received From Door Switch 'F'
U0522	Invalid Data Received From Door Switch 'G'
U0523	Invalid Data Received From Door Window Motor 'A'
U0524	Invalid Data Received From Door Window Motor 'B'
U0525	Invalid Data Received From Door Window Motor 'C'
U0526	Invalid Data Received From Door Window Motor 'D'
U0527	Invalid Data Received From Door Window Motor 'E'
U0528	Invalid Data Received From Door Window Motor 'F'
U0529	Invalid Data Received From Door Window Motor 'G'
U052A	Invalid Data Received From Heated Steering Wheel Module
U0531	Invalid Data Received From Rear Gate Module
U0532	Invalid Data Received From Rain Sensing Module
U0533	Invalid Data Received From Side Obstacle Detection Control Module (Left)
U0534	Invalid Data Received From Side Obstacle Detection Control Module (Right)
U0535	Invalid Data Received From Convenience Recall Module
U0536	Invalid Data Received From Lateral Acceleration Sensor Module
U0537	Invalid Data Received From Column Lock Module
U0538	Invalid Data Received From Digital Audio Control Module 'C'
U0539	Invalid Data Received From Digital Audio Control Module 'D'
U053A	Invalid Data Received From Entrapment Control Module 'A'
U053B	Invalid Data Received From Image Processing Module 'A'
U053C	Invalid Data Received From Image Processing Module 'B'
U053D	Invalid Data Received From Image Processing Module 'C'
U0541	Invalid Data Received From Entrapment Control Module 'B'
U0542	Invalid Data Received From Headlamp Control Module 'A'
U0543	Invalid Data Received From Headlamp Control Module 'B'
U0544	Invalid Data Received From Parking Assist Control Module 'B'
U0545	Invalid Data Received From Running Board Control Module 'A'
U0546	Invalid Data Received From Entertainment Control Module - Front
U0547	Invalid Data Received From Seat Control Module 'E'
U0548	Invalid Data Received From Seat Control Module 'F'
U0549	Invalid Data Received From Remote Accessory Module
U054A	Invalid Data Received From Entertainment Control Module - Rear 'B'

U054B	Invalid Data Received From Interior Lighting Control Module
U054C	Invalid Data Received from Seat Control Module 'G'
U054D	Invalid Data Received from Seat Control Module 'H'
U0551	Invalid Data Received From Impact Classification System Module
U0552	Invalid Data Received From Running Board Control Module 'B'
U0553	Invalid Data Received From Lighting Control Module - Rear 'B'
U0554	Invalid Data Received From Accessory Protocol Interface Module
U0555	Invalid Data Received From Remote Start Module
U0556	Invalid Data Received From Front Display Interface Module
U0557	Invalid Data Received From Front Controls Interface Module
U0558	Invalid Data Received From Front Controls / Display Interface Module
U0559	Invalid Data Received From Radio Transceiver
U055A	Invalid Data Received From Special Purpose Vehicle Control Module 'A'
U055B	Invalid Data Received From Special Purpose Vehicle Control Module 'B'
U055C	Invalid Data Received From Special Purpose Vehicle Control Module 'C'
U055D	Invalid Data Received From Special Purpose Vehicle Control Module 'D'
U055E	Invalid Data Received From Front Controls Interface Module 'B'
U0561	Invalid Data Received From Seat Control Switch Module 'A'
U0562	Invalid Data Received From Seat Control Switch Module 'B'
U0563	Invalid Data Received From Audio Amplifier 'B'
U0564	Invalid Data Received From Speech Recognition Module
U0565	Invalid Data Received From Camera Module - Rear
U0566	Invalid Data Received From Image Processing Sensor A
U0567	Invalid Data Received From Image Processing Sensor B
U0568	Invalid Data Received From Image Processing Sensor C
U0569	Invalid Data Received From Image Processing Sensor D
U056A	Invalid Data Received From Image Processing Sensor E
U056B	Invalid Data Received From Image Processing Sensor F
U056C	Invalid Data Received From Image Processing Sensor G
U056D	Invalid Data Received From Image Processing Sensor H
U056E	Invalid Data Received From Image Processing Sensor I
U056F	Invalid Data Received From Image Processing Sensor J
U0570	Invalid Data Received From Image Processing Sensor K
U0571	Invalid Data Received From Image Processing Sensor L
U0585	Invalid Data Received from Active Grill Air Shutter Module 'A'
U0586	Invalid Data Received from Active Grill Air Shutter Module 'B'
U0587	Invalid Data Received From Radiator Anti Tamper Device
U0588	Invalid Data Received From Transmission Fluid Pump Module 'A'
U0589	Invalid Data Received From DC to AC Converter Control Module 'A'
U058A	Invalid Data Received From DC/AC Converter Control Module 'B'
U058B	Invalid Data Received From Transmission Fluid Pump Module 'B'
U0592	Invalid Data Received From Gear Shift Control Module 'B'
U0593	Invalid Data Received From Drive Motor Control Module 'B'
U0594	Invalid Data Received From Hybrid/EV Powertrain Control Module
U0595	Invalid Data Received From Powertrain Control Monitor Module
U0596	Invalid Data Received From AC/AC Converter Control Module
U0597	Invalid Data Received From AC/DC Converter Control Module 'A'
U0598	Invalid Data Received From AC/DC Converter Control Module 'B'
U0599	Invalid Data Received From DC/DC Converter Control Module 'A'
U059A	Invalid Data Received From DC/DC Converter Control Module 'B'
U059B	Invalid Data Received From Hybrid/EV Battery Pack Sensor Module
U059C	Invalid Data Received From Drive Motor Control Module 'C'
U059D	Invalid Data Received From Drive Motor Control Module 'D'

U059E	Invalid Data Received From NOx Sensor 'A'
U059F	Invalid Data Received From NOx Sensor 'B'
U05A0	Invalid Data Received from Evaporative Emission System Leak Detection Control Module
U05A1	NOx Sensor 'A' Received Invalid Data From ECM/PCM
U05A2	NOx Sensor 'B' Received Invalid Data From ECM/PCM
U05A3	Invalid Data Received From Reductant Quality Module
U05A4	PM Sensor Received Invalid Data From ECM/PCM
U05A5	Invalid Data Received From NH3 Sensor
U05A6	Invalid Data Received from Reductant Heater Control Module
U05A7	Invalid Data Received From Safety Integration Control Module
U05AA	Invalid Data Received From Charge Air Cooler Coolant Pump
U05AB	Invalid Data Received From Engine Disconnect Clutch
U0600	Lost Communication With Engine Oil Pressure Sensor 'A'
U0601	Lost Communication With Particulate Filter Pressure Sensor 'A'
U0602	Lost Communication With Particulate Filter Pressure Sensor 'B'
U0603	Lost Communication With Fuel Pressure Sensor 'A'
U0604	Lost Communication With Fuel Pressure Sensor 'B'
U0605	Lost communication with A/C Refrigerant Sensor 'A'
U1000	General Electrical Failure Bus 'A'
U1002	General Electrical Failure Bus 'C'
U1005	General Electrical Failure Bus 'F'
U1007	General Electrical Failure Bus 'H'
U1008	General Electrical Failure Bus 'I'
U1100	Lost Communication With ASC/DSC
U1101	Lost Communication With Ambient Temperature/Relative Time
U1102	Message Monitoring Actuation Cruise Control/ACC Alive Check
U1103	Lost Communication With Actuation Cruise Control/ACC
U1104	Message Monitoring Actuation Cruise Control/ACC Check Sum Error
U1105	Message Monitoring Torque Request ACC Alive Check
U1106	Lost Communication With Torque Request ACC
U1107	Message Monitoring Torque Request ACC Check Sum Error
U1108	Message Monitoring Torque Request Steering Alive Check
U1109	Lost Communication With Torque Request Steering
U110A	Message Monitoring Torque Request Steering Check Sum Error
U110B	Message Monitoring Torque Request DSC Alive Check
U110C	Lost Communication With Torque Request DSC
U110D	Message Monitoring Torque Request DSC Check Sum Error
U110E	Message Monitoring Torque Request ETC Alive Check
U110F	Lost Communication With Torque Request ETC
U1110	Message Monitoring Torque Request ETC Check Sum Error
U1111	Message Monitoring Torque Request AMT (Automatic Manual Transmission) Alive Check
U1112	Lost Communication With Torque Request AMT (Automatic Manual Transmission)
U1113	Message Monitoring Torque Request AMT (Automatic Manual Transmission) Check Sum Error
U1114	Message Monitoring Vehicle Mode Status Alive Check
U1115	Lost Communication With Vehicle Mode Status
U1116	Message Monitoring Vehicle Mode Status Check Sum Error
U1117	Message Monitoring Speed Alive Check
U1118	Lost Communication With Speed
U1119	Message Monitoring Speed Check Sum Error
U111A	Lost Communication With Transmission Data
U111B	Lost Communication With Transmission Data2
U111C	Lost Communication With Mileage/Range
U111D	Message Monitoring Terminal Status Alive Check

U111E	Lost Communication With Terminal Status
U111F	Message Monitoring Terminal Status Check Sum Error
U1120	Lost Communication With Steering Wheel Angle
U1121	Lost Communication With Power Management Battery Voltage
U1122	Lost Communication With Power Management Charge Voltage
U1123	Message Monitoring ARS-Module Status Alive Check
U1124	Lost Communication With ARS-Module Status
U1125	Message Monitoring Brake System Control Module Status Alive Check
U1126	Lost Communication With Brake System Control Module Status
U1127	Message Monitoring Brake System Control Module Status Check Sum Error
U1128	Lost Communication With Status EKP (Electrical Fuel Pump)
U1129	Lost Communication With Reverse Status
U112A	Message Monitoring Instrument Pack Status Alive Check
U112B	Lost Communication With Instrument Pack Status
U112C	Lost Communication With Heat Flow/Load Moment A/C
U112D	Lost Communication With Control Crash Cut-Off EKP (Electrical Fuel Pump)
U112E	Lost Communication With Pedal Position Sensor
U112F	Message Monitoring Instrument Pack Status Check Sum Error
U1130	Lost Communication With Controlled Upper Air Shutter
U1131	Lost Communication With CAS
U1132	Lost Communication With Generator via BSD (Bit Serial Data Interface)
U1133	Lost Communication With Generator 2 via BSD (Bit Serial Data Interface)
U1134	Lost Communication With Lamp Status
U1135	Lost Communication With Status Water Valve
U1136	Lost Communication With Idle-Speed Control Valve (Bank 1)
U1137	Message Monitoring Idle-Speed Control Valve Alive Check (Bank 1)
U1138	Message Monitoring Idle-Speed Control Valve DPR Overwrite Error (Bank 1)
U1139	Idle-Speed Control Valve / AMT Communication Bus Off
U113A	Lost Communication With Central Locking System Status
U113B	Lost Communication With Occupant Presence Belt Contact Status
U113C	Lost Communication With Time/Date
U113D	Lost Communication With Wheel Torque Management Request/Driveline
U113E	Lost Communication With Display Transmission Data
U113F	Message Monitoring Transmission Data Check Sum Error/Alive Check
U1140	Throttle Valve Communication Bus off
U1141	Lost Communication With Throttle Actuator (Bank 1)
U1142	Message Monitoring Throttle Actuator Alive Check (Bank 1)
U1143	Message Monitoring Throttle Actuator DPR Overwrite Error (Bank 1)
U1144	Lost Communication With NOx Sensor (Bank 1)
U1145	Lost Communication With NOx Sensor (Bank 2)
U1146	Lost Communication With Idle-Speed Control Valve (Bank 2)
U1147	Message Monitoring Idle-Speed Control Valve Alive Check (Bank 2)
U1148	Message Monitoring Idle-Speed Control Valve DPR Overwrite Error (Bank 2)
U1149	Message Monitoring CAS Alive Check
U114A	Message Monitoring Engine Control Torque 1 Alive Check
U114B	Lost Communication With Engine Control Torque 1
U114C	Message Monitoring Engine Control Torque 1 Check Sum Error
U114D	Message Monitoring Engine Control Torque 2 Alive Check
U114E	Lost Communication With Engine Control Torque 2
U114F	Message Monitoring Engine Control Torque 2 Check Sum Error
U1150	Message Monitoring CAS Check Sum Error
U1151	Lost Communication With Throttle Actuator (Bank 2)
U1152	Message Monitoring Throttle Actuator Alive Check (Bank 2)

U1153	Message Monitoring Throttle Actuator DPR Overwrite Error (Bank 2)
U1154	Lost Communication With Message 2 TCM
U1155	Message Monitoring Transmission Data2 Check Sum Error
U1156	Message Monitoring Transmission Data2 Alive Check
U1157	Message Monitoring Engine Control Torque 1 Plausibility
U1158	Message Monitoring Engine Control Torque 2 Plausibility
U1159	Message Monitoring Engine Control Torque 3 Plausibility
U115A	Message Monitoring Engine Control Torque 3 Alive Check
U115B	Lost Communication With Engine Control Torque 3
U115C	Message Monitoring Engine Control Torque 3 Check Sum Error
U115D	Message Monitoring Engine Data Alive Check
U115E	Lost Communication With Engine Data
U115F	Message Monitoring Engine Data Check Sum Error
U1160	Lost Communication With Transmission Data3
U1161	Message Monitoring Transmission Data3 Alive Check
U1162	Message Monitoring Transmission Data3 Check Sum Error
U1163	Message Monitoring Engine Control Alive Check
U1164	Message Monitoring Engine Control Check Sum Error
U1165	Message Monitoring Wheel Torque Management Request/Driveline Alive Check/Check Sum Error
U1166	Message Monitoring EWS (Electronic Immobilizer) - Frame Error
U1167	Message Monitoring Direct Ozone Reduction Catalyst Temperature Sensor Frame Error
U1168	Message Monitoring Direct Ozone Reduction Catalyst Temperature Sensor Check Sum Error
U1169	Lost Communication with OBD-Sensor
U116A	Message Monitoring Cruise Control Alive Check
U116B	Lost Communication With Cruise Control
U116C	Message Monitoring Cruise Control Check Sum Error
U116D	Lost Communication With Wheel Speed
U116E	Lost Communication With Wheel Tolerance Compensation
U116F	Lost Communication With Sports Mode ETC
U1170	Coolant Pump Communication Error
U1171	Coolant Pump Communication Plausibility
U1172	Lost Communication With VVL-Control Module
U1173	Message Monitoring Transmission Data3 Check Sum Error/Alive Check
U1174	Message Monitoring VVL-Control Module Alive Check/Check Sum Error
U1175	Lost Communication With MSA (Engine Start Automatic)
U1176	Lost Communication With CEM
U1177	Lost Communication With Coolant Pump
U1178	Message Monitoring Status EKP (Electrical Fuel Pump) Alive Check
U1179	Message Monitoring Status EKP (Electrical Fuel Pump) Check Sum Error
U117A	Lost Communication With Engine Coolant Temperature Sensor
U117B	Charge Air Cooler Coolant Pump Communication Plausibility
U117C	Lost Communication with Battery Sensor 1
U117D	Lost Communication With Fuel Tank Pressure/Temperature Sensor
U117E	Lost Communication With Starter Generator
U117F	Lost Communication With Wheel Speed
U1180	Control Module Communication Bus 'F' Off after Wake-Up
U1181	Message Monitoring Engine Data Group 1 Alive Check
U1182	Lost Communication With Engine Data Group 1
U1183	Message Monitoring Engine Data Group 1 Check Sum Error
U1184	Lost Communication with A-CAN
U1185	Lost Communication with FA-CAN
U1186	Message Monitoring Engine Data Group 2 Alive Check
U1187	Lost Communication With Engine Data Group 2

U1188	Message Monitoring Engine Data Group 2 Check Sum Error
U1189	Message Monitoring DSC Data Group 2 Alive Check
U118A	Lost Communication With DSC Data Group 2
U118B	Message Monitoring DSC Data Group 2 Check Sum Error
U118C	Message Monitoring Vehicle Dynamics Control Module Data Group 2 Alive Check
U118D	Lost Communication With Vehicle Dynamics Control Module Data Group 2
U118E	Message Monitoring Vehicle Dynamics Control Module Data Group 2 Check Sum Error
U118F	Lost Communication With Transmission Mode Switch
U1190	Lost Communication With TCM via A- and FA-CAN
U1191	Message Monitoring Wheel Torque Management Request/Driveline Alive Check
U1192	Message Monitoring Wheel Torque Management Request/Driveline Check Sum Error
U1193	Message Monitoring Transmission Data via FA-CAN Alive Check
U1194	Message Monitoring Transmission Data via FA-CAN Check Sum Error
U1195	Message Monitoring Wheel Speed Alive Check
U1196	Message Monitoring Wheel Speed Check Sum Error
U1197	Message Monitoring Brake Torque Alive Check
U1198	Lost Communication With Brake Torque
U1199	Message Monitoring Brake Torque Check Sum Error
U119A	Message Monitoring Ambient Temperature Alive Check
U119B	Lost Communication With Ambient Temperature
U119C	Message Monitoring Ambient Temperature Check Sum Error
U119D	Lost Communication With BSD (Bit Serial Data Interface)
U119E	Lost Communication With FlexRay
U119F	Lost Communication With OBD Data Engine
U11A0	Lost Communication With Transmission Data via FA-CAN
U11A1	Message Monitoring Transmission Data via A-CAN Alive Check
U11A2	Lost Communication With Transmission Data via A-CAN
U11A3	Message Monitoring Transmission Data via A-CAN Check Sum Error
U11A4	Lost Communication With OBD Data Transmission via A-CAN
U11A5	Lost Communication With Status TCM via FA-CAN
U11A6	Lost Communication With Status TCM via A-CAN
U11A7	Lost Communication With OBD Data Transmission via FA-CAN
U11A8	Lost Communication With EWS (Electronic Immobilizer) Message From CAS
U11A9	Charge Air Cooler Coolant Pump 2 Communication Plausibility
U11AA	Message Monitoring Torque Request Crankshaft Transmission Data via FA-CAN Alive Check
U11AB	Lost Communication With Torque Request Crankshaft Transmission Data via FA-CAN
U11AC	Message Monitoring Torque Request Crankshaft Transmission Data via FA-CAN Check Sum Error
U11AD	Message Monitoring Torque Request Crankshaft Transmission Data via A-CAN Alive Check
U11AE	Lost Communication With Torque Request Crankshaft Transmission Data via A-CAN
U11AF	Message Monitoring Torque Request Crankshaft Transmission Data via A-CAN Check Sum Error
U11B0	Message Monitoring Torque Request Crankshaft Transmission Data2 via FA-CAN Alive Check
U11B1	Lost Communication With Torque Request Crankshaft Transmission Data2 via FA-CAN
U11B2	Message Monitoring Torque Request Crankshaft Transmission Data2 via FA-CAN Check Sum Error
U11B3	Message Monitoring Torque Request Crankshaft Transmission Data2 via A-CAN Alive Check
U11B4	Lost Communication With Torque Request Crankshaft Transmission Data2 via A-CAN
U11B5	Message Monitoring Torque Request Crankshaft Transmission Data2 via A-CAN Check Sum Error
U11B6	Lost Communication With Controlled Upper Air Shutter via LIN
U11B7	Message Monitoring Evaporative Emission Leak Detection Tank Alive Check
U11B8	Lost Communication With Evaporative Emission Leak Detection Tank
U11B9	Message Monitoring Evaporative Emission Leak Detection Tank Check Sum Error
U11BA	Lost Communication With Transmission Fluid Temperature
U11BB	Lost Communication With Drive Motor Inverter Temperature
U11BC	Lost Communication With Motor Electronics Temperature Cooling System

U11BD	Lost Communication With Hybrid/EV Powertrain Control Module via HL-CAN
U11BE	Lost Communication With Hybrid/EV Powertrain Control Module via HS-CAN
U11BF	Message Monitoring Hybrid/EV Powertrain Control Module via HS-CAN Alive Check
U11C0	Message Monitoring Drive Motor Speed Alive Check
U11C1	Lost Communication With Drive Motor Speed
U11C2	Message Monitoring Drive Motor Speed Check Sum Error
U11C3	Lost Communication With Relative Time
U11C4	Lost Communication With Driveline Data 1
U11C5	Lost Communication With Driveline Data 2
U11C6	Message Monitoring Yaw Rate Alive Check
U11C7	Message Monitoring Yaw Rate Check Sum Error
U11C8	Lost Communication With Hybrid/EV Battery
U11C9	Message Monitoring Torque Request ETC Check Sum Error/Alive Check
U11CA	Message Monitoring Speed Alive Check/Check Sum Error
U11CB	Lost Communication Master-ECM With Slave-ECM Interconnection 1
U11CC	Lost Communication Master-ECM With Slave-ECM Interconnection 2
U11CD	Lost Communication Master-ECM With Slave-ECM Interconnection 3
U11CE	Lost Communication Master-ECM With Slave-ECM Interconnection 4
U11CF	Lost Communication Slave-ECM With Master-ECM Interconnection 1
U11D0	Lost Communication Slave-ECM With Master-ECM Interconnection 2
U11D1	Lost Communication Slave-ECM With Master-ECM Interconnection 3
U11D2	Lost Communication Slave-ECM With Master-ECM Interconnection 4
U11D3	Message Monitoring Master-ECM with Slave-ECM Interconnection 1 Check Sum Error
U11D4	Message Monitoring Master-ECM with Slave-ECM Interconnection 2 Check Sum Error
U11D5	Message Monitoring Master-ECM with Slave-ECM Interconnection 3 Check Sum Error
U11D6	Message Monitoring Master-ECM with Slave-ECM Interconnection 4 Check Sum Error
U11D7	Message Monitoring Slave-ECM with Master-ECM Interconnection 1 Check Sum Error
U11D8	Message Monitoring Slave-ECM with Master-ECM Interconnection 2 Check Sum Error
U11D9	Message Monitoring Slave-ECM with Master-ECM Interconnection 3 Check Sum Error
U11DA	Message Monitoring Slave-ECM with Master-ECM Interconnection 4 Check Sum Error
U11DB	Message Monitoring Master-ECM with Slave-ECM Interconnection 1 Alive Check
U11DC	Message Monitoring Master-ECM with Slave-ECM Interconnection 2 Alive Check
U11DD	Message Monitoring Master-ECM with Slave-ECM Interconnection 3 Alive Check
U11DE	Message Monitoring Master-ECM with Slave-ECM Interconnection 4 Alive Check
U11DF	Message Monitoring Slave-ECM with Master-ECM Interconnection 1 Alive Check
U11E0	Message Monitoring Slave-ECM with Master-ECM Interconnection 2 Alive Check
U11E1	Message Monitoring Slave-ECM with Master-ECM Interconnection 3 Alive Check
U11E2	Message Monitoring Slave-ECM with Master-ECM Interconnection 4 Alive Check
U11E3	Message Monitoring Transmission Data Alive Check
U11E4	Message Monitoring Transmission Data Check Sum Error
U11E5	Message Monitoring Driveline Data 1 Alive Check
U11E6	Message Monitoring Driveline Data 1 Check Sum Error
U11E7	Lost Communication With Angle Accelerator Pedal
U11E8	Message Monitoring Angle Accelerator Pedal Alive Check
U11E9	Message Monitoring Angle Accelerator Pedal Check Sum Error
U11EA	Lost Communication With Wheel Torque 1
U11EB	Message Monitoring Wheel Torque 1 Alive Check
U11EC	Message Monitoring Wheel Torque 1 Check Sum Error
U11ED	Lost Communication With Wheel Torque 2
U11EE	Message Monitoring Wheel Torque 2 Alive Check
U11EF	Message Monitoring Wheel Torque 2 Check Sum Error
U11F0	Lost Communication With Status Transmission
U11F1	Message Monitoring Status Transmission Alive Check

U11F2	Message Monitoring Status Transmission Check Sum Error
U11F3	Lost Communication With Torque Crankshaft
U11F4	Lost Communication With Crankshaft Torque Data Hybrid
U11F5	Message Monitoring Crankshaft Torque Data Hybrid Alive Check
U11F6	Message Monitoring Crankshaft Torque Data Hybrid Check Sum Error
U11F7	Lost Communication With Brake System Engine Control
U11F8	Lost Communication With Request Torque Limitation
U11F9	Invalid Data Received From CAS
U11FA	Lost Communication With Longitudinal Acceleration
U11FB	Message Monitoring Longitudinal Acceleration Check Sum Error
U11FC	Message Monitoring Longitudinal Acceleration Alive Check
U11FD	Lost Communication With Lateral Acceleration
U11FE	Message Monitoring Lateral Acceleration Check Sum Error
U11FF	Message Monitoring Lateral Acceleration Alive Check
U1200	Message Monitoring TCM Check Sum Error
U1201	Message Monitoring Drive Motor Alive Check
U1202	Message Monitoring TCM Alive Check
U1203	Message Monitoring Drive Motor Alive Check Sum Error
U1204	Lost Communication With OBD Data Hybrid/EV Powertrain Control Module via FA-CAN
U1205	Lost Communication With OBD Data Hybrid/EV Powertrain Control Module via A-CAN
U1206	Message Monitoring Status Operating Mode Hybrid Alive Check
U1207	Lost Communication With Status Operating Mode Hybrid
U1208	Message Monitoring Status Operating Mode Hybrid Check Sum Error
U1209	Message Monitoring Torque Hybrid Alive Check
U120A	Lost Communication With Torque Hybrid
U120B	Message Monitoring Torque Hybrid Check Sum Error
U120C	Message Monitoring Status Drive Hybrid Alive Check
U120D	Lost Communication With Status Drive Hybrid
U120E	Message Monitoring Status Drive Hybrid Check Sum Error
U120F	Lost Communication With Segment Task
U1210	Lost Communication With 100ms Task
U1211	Message Monitoring 100ms Task Check Sum Error
U1212	Lost Communication With 100ms Task From Master
U1213	Message Monitoring 100ms Task From Master Check Sum Error
U1214	Lost Communication With 100ms Task From Slave
U1215	Message Monitoring 100ms Task From Slave Check Sum Error
U1216	Lost Communication With Diagnosis OBD
U1217	Message Monitoring Diagnosis OBD Alive Check
U1218	Message Monitoring MSA (Engine Start Automatic) Alive Check
U1219	Message Monitoring MSA (Engine Start Automatic) Check Sum Error
U121A	Message Monitoring Driveline Data 2 Alive Check
U121B	Message Monitoring Driveline Data 2 Check Sum Error
U121C	Lost Communication With Driveline Data 4
U121D	Message Monitoring Status Vehicle Stopped Alive Check
U121E	Lost Communication With Status Vehicle Stopped
U121F	Message Monitoring Status Vehicle Stopped Check Sum Error
U1220	Lost Communication With 10ms Task
U1221	Message Monitoring 10ms Task Check Sum Error
U1222	Lost Communication With 10ms Task From Master
U1223	Message Monitoring 10ms Task From Master Check Sum Error
U1224	Lost Communication With 10ms Task From Slave
U1225	Message Monitoring 10ms Task From Slave Check Sum Error
U1226	Message Monitoring Transmission Range Control Module Alive Check

U1227	Message Monitoring Transmission Range Control Module Check Sum Error
U1228	Lost Communication With Drive Start Power Status
U1229	Message Monitoring Roadway Tilt Alive Check
U122A	Lost Communication With Segment Synchronous Message From Master
U122B	Lost Communication With Segment Synchronous Message From Slave
U122C	Lost Communication With Roadway Tilt
U122D	Message Monitoring Roadway Tilt Check Sum Error
U122E	Invalid Data Received From Ambient Temperature
U122F	Invalid Data Received From Vehicle Drive Status
U1230	Invalid Data Received From Roadway Tilt
U1231	Invalid Data Received From DSC
U1232	Message Monitoring Longitudinal Acceleration Signal Error
U1233	Message Monitoring Speed Signal Error
U1234	Message Monitoring Status TCM via A-CAN Signal Error
U1235	Message Monitoring Status TCM via FA-CAN Signal Error
U1236	Message Monitoring Torque Request Crankshaft Transmission Data Signal Error
U1237	Message Monitoring OBD Transmission Data Signal Error
U1238	Lost Communication With Torque Request Crankshaft Driving Dynamics
U1239	Message Monitoring Torque Request Crankshaft Driving Dynamics Check Sum Error
U123A	Message Monitoring Torque Request Crankshaft Driving Dynamics Alive Check
U123B	Message Monitoring Torque Request Crankshaft Driving Dynamics Signal Error
U123C	Message Monitoring Slave-ECM with Master-ECM Interconnection 5 Alive Check
U123D	Lost Communication Slave-ECM With Master-ECM Interconnection 5
U123E	Message Monitoring Slave-ECM with Master-ECM Interconnection 5 Check Sum Error
U123F	Message Monitoring Ambient Temperature Signal Error
U1240	Message Monitoring Longitudinal/Lateral Acceleration Signal Error
U1241	Lost Communication With Steering Angle Front Axle
U1242	Message Monitoring Steering Angle Front Axle Check Sum Error
U1243	Message Monitoring Steering Angle Front Axle Alive Check
U1244	Message Monitoring Steering Angle Front Axle Signal Error
U1245	Message Monitoring Bracket Torque Signal Error
U1246	Lost Communication With Wheel Torque Request Stabilization
U1247	Message Monitoring Wheel Torque Request Stabilization Check Sum Error
U1248	Message Monitoring Wheel Torque Request Stabilization Alive Check
U1249	Message Monitoring Wheel Torque Request Stabilization Signal Error
U124A	Message Monitoring MSA (Engine Start Automatic)
U124B	Message Monitoring Master-ECM With Slave-ECM Interconnection 5 Alive Check
U124C	Lost Communication Master-ECM With Slave-ECM Interconnection 5
U124D	Message Monitoring Master-ECM With Slave-ECM Interconnection 5 Check Sum Error
U124E	Communication Monitoring Input Signals Vehicle Speed
U124F	Message Monitoring Status TCM via A-CAN/FA-CAN Signal Error
U1250	Lost Communication With Wheel Torque Request Recuperation
U1251	Message Monitoring Wheel Torque Request Recuperation Check Sum Error
U1252	Message Monitoring Wheel Torque Request Recuperation Alive Check
U1253	Message Monitoring Wheel Torque Request Recuperation Signal Error
U1254	Message Monitoring Torque Request Crankshaft Transmission Data via A-CAN Signal Error
U1255	Lost Communication with Status Gear Train
U1256	Message Monitoring Status Gear Train Signal Error
U1257	Message Monitoring Brake System Control Module Status Signal Error
U1258	Vehicle Dynamics Control Module Lost Communication With ECM/PCM 'A'
U1259	Vehicle Dynamics Control Module Invalid Data Received From ECM/PCM 'A'
U125A	Vehicle Dynamics Control Module Lost Communication With Brake System Control Module 'A'
U125B	Vehicle Dynamics Control Module Invalid Data Received From Brake System Control Module 'A'

U125C	Vehicle Dynamics Control Module Lost Communication With Power Steering Control Module
U125D	Vehicle Dynamics Control Module Invalid Data Received From Power Steering Control Module
U125E	Vehicle Dynamics Control Module Lost Communication With Body Control Module 'A'
U125F	Vehicle Dynamics Control Module Invalid Data Received From Body Control Module 'A'
U1260	Lost Communication With OBD-Data Driveline
U1261	Lost Communication With Heat Management Module
U1262	Invalid Data Received From Heat Management Module
U1263	Lost Communication With Control Diagnosis OBD Driving Dynamics
U1264	Message Monitoring Slave-ECM with Master-ECM Interconnection 6 Alive Check
U1265	Lost Communication Slave-ECM With Master-ECM Interconnection 6
U1266	Message Monitoring Slave-ECM with Master-ECM Interconnection 6 Check Sum Error
U1267	Message Monitoring Master-ECM With Slave-ECM Interconnection 6 Alive Check
U1268	Lost Communication Master-ECM With Slave-ECM Interconnection 6
U1269	Message Monitoring Master-ECM With Slave-ECM Interconnection 6 Check Sum Error
U126A	Lost Communication With Rear Axle Slip Angle Control
U126B	Invalid Data Received From Rear Axle Slip Angle Control
U126C	Message Monitoring OBD-Data Driveline Alive Check
U126D	Lost Communication With Drive Motor 'A' Coolant Pump
U126E	Lost Communication With Fan 1
U1400	Invalid Data Received From MSA (Engine Start Automatic)
U1401	Invalid Data Received From Wheel Speed Sensor Rear Left
U1402	Invalid Data Received From Wheel Speed Sensor Rear Right
U1403	Invalid Data Received From Wheel Speed Sensor Front Left
U1404	Invalid Data Received From Wheel Speed Sensor Front Right
U1405	Invalid Data Received From Engine Control Torque
U1406	Invalid Data Received From Status Clutch
U1407	Invalid Data Received From Ambient Air Temperature Sensor
U1408	Invalid Data Received From Engine Coolant Temperature Sensor
U1409	Invalid Data Received From Engine Load
U140A	Invalid Data Received From Throttle Position
U1800	Hybrid/EV Battery Lost Communication With Coolant Pump
U1801	Hybrid/EV Powertrain Control Module Lost Communication With ECM via HL-CAN
U1802	Hybrid/EV Powertrain Control Module Lost Communication With TCM
U1803	Hybrid Powertrain Control Module Lost Communication With Hybrid Battery Control Module
U1804	Hybrid/EV Powertrain Control Module Lost Communication With HIM (Hybrid Interface Module) via HL-CAN
U1805	Hybrid/EV Powertrain Control Module Lost Communication With Electric/Auxiliary Transmission Fluid Pump Control Module
U1806	Hybrid/EV Powertrain Control Module Lost Communication With DSM (Direct Shift Module) Control Module
U1807	Hybrid/EV Powertrain Control Module Lost Communication With HIM (Hybrid Interface Module) via HS-CAN
U1808	Hybrid/EV Powertrain Control Module Lost Communication With 14 Volt Power Module
U1809	TCM Lost Communication with HIM (Hybrid Interface Module) via HL-CAN
U180A	Brake System Control Module Lost Communication With DSC
U180B	Brake System Control Module Lost Communication with Powertrain/EV Control Module
U180C	Brake System Control Module High Speed CAN Communication Bus Off
U180D	Brake System Control Module Bus 'B' Off
U180E	Brake System Control Module Lost Communication with ECM
U180F	Lost Communication With Enabling Cooling Hybrid/EV Battery
U1810	Lost Communication With Hybrid/EV Battery Pack Evaluation Electronics
U1811	Message Monitoring Hybrid/EV Battery Pack Voltage and Current Sensor Check Sum Error
U1812	Lost Communication with Battery Sensor 2
U1813	Lost Communication With Status 1 Hybrid/EV Battery
U1814	Lost Communication With Status 2 Hybrid/EV Battery
U1815	Hybrid/EV Powertrain Control Module Lost Communication With Drive Motor 'A' and 'B' Control Module
U1816	Lost Communication With Limitation Charge / Discharge Hybrid/EV Battery

U1817	Lost Communication With Status Charge Hybrid/EV Battery
U1818	Hybrid/EV Powertrain Control Module Lost Communication With ECM via HS-CAN
U1819	Lost Communication With Voltage-Controlled Mode
U181A	Lost Communication With Hybrid Specification
U181B	Message Monitoring Hybrid Specification Alive Check
U181C	Message Monitoring Hybrid Specification Check Sum Error
U181D	Lost Communication With Motor Electronics Coolant Pump 1
U181E	Message Monitoring Drive Mode Signal Implausible
U181F	Message Monitoring Drive Motor 'A' Traction Long Term Alive Check
U1820	Hybrid/EV Powertrain Control Module Lost Communication With SBA (Sensotronic Brake Actuation) via HS-CAN
U1821	Drive Motor 'A' Control Module Lost Communication With Diagnosis OBD Hybrid via FlexRay
U1822	Drive Motor 'A' Control Module Message Monitoring Diagnosis OBD Hybrid via FlexRay Alive Check
U1823	Drive Motor 'A' Control Module Lost Communication With Diagnosis OBD Hybrid via A-CAN
U1824	Drive Motor 'A' Control Module Message Monitoring Diagnosis OBD Hybrid via A-CAN Alive Check
U1825	Drive Motor 'A' Control Module Lost Communication With Diagnosis OBD Hybrid via FA-CAN
U1826	Drive Motor 'A' Control Module Message Monitoring Diagnosis OBD Hybrid via FA-CAN Alive Check
U1827	Drive Motor 'A' Control Module Lost Communication With A/C Compressor
U1828	Drive Motor 'A' Control Module Message Monitoring A/C Compressor Alive Check
U1829	Lost Communication With Drive Motor 'A' Traction Long Term
U182A	Message Monitoring Drive Motor 'A' Traction Long Term Check Sum Error
U182B	Lost Communication With A/C Coolant Heater Control Module
U182C	Lost Communication With HVAC Control Module via LIN
U182D	Lost Communication With Electric A/C Compressor Control Module via LIN
U182E	HVAC Control Module Invalid Data Received From A/C Refrigerant Pressure Sensor
U182F	Lost Communication With Heat Pump Control Module
U1830	Lost Communication With Drive Motor 'B' Control Module
U1831	Invalid Data Received From Drive Motor 'B' Control Module
U1832	Brake System Control Module Lost Communication With ECM/PCM 'A'
U1833	Brake System Control Module Invalid Data Received From ECM/PCM 'A'
U1834	Brake System Control Module Lost Communication With Body Control Module 'A'
U1835	Brake System Control Module Invalid Data Received From Body Control Module 'A'
U1836	Communication Monitoring Input Signals Drive Motor 'B' RPM
U1837	Invalid Data Received From Drive Motor 'A' Traction Long Term
U183A	Power Steering Control Module Lost Communication With Brake System Control Module
U183B	Power Steering Control Module Invalid Data Received From Brake System Control Module
U183C	Message Monitoring Drive Motor 'A' Traction Signal Error
U183D	Lost Communication With Drive Motor 'A' Traction
U183E	Message Monitoring Drive Motor 'A' Traction Check Sum Error
U183F	Message Monitoring Drive Motor 'A' Traction Alive Check
U1840	Universal Charger Extension Control Module Lost Communication With Drive Motor 'A' Control Module
U1841	Universal Charger Extension Control Module Invalid Data Received From Drive Motor 'A' Control Module
U1842	Universal Charger Extension Control Module Lost Communication With Hybrid Battery Control Module
U1843	Universal Charger Extension Control Module Invalid Data Received From Hybrid Battery Control Module
U1844	Universal Charger Extension Control Module Lost Communication With Drive Motor 'B' Control Module
U1845	Universal Charger Extension Control Module Invalid Data Received From Drive Motor 'B' Control Module
U1846	Lost Communication with Hybrid Battery Control Module
U1847	Invalid Data Received From Hybrid Battery Control Module
U1848	Lost Communication With Universal Charger Extension Control Module
U1849	Invalid Data Received From Universal Charger Extension Control Module
U184A	Lost Communication With Torque and Cooling Control Module
U184B	Invalid Data Received From Torque and Cooling Control Module
U184C	Lost Communication With Loading Interface Module
U184D	Invalid Data Received From Loading Interface Module

U184E	Lost Communication With Starter Unit Control
U184F	Message Monitoring Information Electrical Motor Signal Error
U1850	Lost Communication With DSC
U1851	Lost Communication With Central Gateway Module
U1852	Lost Communication with Operating Mode Drive Motor 'A' Traction
U1853	Message Monitoring Operating Mode Drive Motor 'A' Traction Check Sum Error
U1854	Message Monitoring Operating Mode Drive Motor 'A' Traction Alive Check
U1855	Message Monitoring Operating Mode Drive Motor 'A' Traction Signal Error
U1856	Lost Communication With Actual Data Short Term Drive Motor 'A'
U1857	Message Monitoring Actual Data Short Term Drive Motor 'A' Check Sum Error
U1858	Message Monitoring Actual Data Short Term Drive Motor 'A' Alive Check
U1859	Message Monitoring Actual Data Short Term Drive Motor 'A' Signal Error
U185A	Communication Monitoring Input Signals Rotational Direction Drive Motor 'A'
U185B	Communication Monitoring Input Signals Drive Motor 'A' RPM
U185C	Power Steering Control Module Lost Communication With Vehicle Dynamics Control Module
U185D	Power Steering Control Module Invalid Data Received From Vehicle Dynamics Control Module
U185E	Rear Axle Slip Angle Control Lost Communication With Brake System Control Module
U185F	Rear Axle Slip Angle Control Invalid Data Received From Brake System Control Module
U1860	Transfer Case Control Module Lost Communication With Brake System Control Module 'A'
U1861	Transfer Case Control Module Invalid Data Received From Brake System Control Module 'A'
U1862	Transfer Case Control Module Lost Communication With ECM/PCM 'A'
U1863	Transfer Case Control Module Invalid Data Received From ECM/PCM 'A'
U1870	Drive Motor 'A' Control Module Lost Communication With ECM via HS-CAN
U1871	Drive Motor 'B' Control Module Lost Communication With ECM via HS-CAN
U1872	Drive Motor 'B' Control Module Lost Communication With Drive Motor 'A' Control Module
U1875	Drive Motor 'A' Control Module Lost Communication with Hybrid Battery Control Module
U1876	Drive Motor 'A' Control Module Lost Communication With ECM via HL-CAN
U1878	Drive Motor 'B' Control Module Lost Communication With Hybrid Battery Control Module
U1879	Drive Motor 'B' Control Module Lost Communication With ECM via HL-CAN
U1880	Drive Motor 'A' Control Module Lost Communication With Hybrid/EV Powertrain Control Module
U1881	Drive Motor 'B' Control Module Lost Communication With Hybrid/EV Powertrain Control Module
U1882	Battery Energy Control Module 'A' Lost Communication With Drive Motor Control Module 'A'
U1883	Battery Energy Control Module 'A' Lost Communication With Instrument Panel Control Module
U1884	Battery Energy Control Module 'A' Lost Communication With HVAC Control Module
U1885	Hybrid Battery Control Module Lost Communication With Hybrid/EV Powertrain Control Module
U1886	Hybrid Battery Control Module Lost Communication With HIM (Hybrid Interface Module)
U1887	Hybrid Battery Control Module Lost Communication With Brake System Control Module
U1888	Battery Energy Control Module 'A' Invalid Data Received From Drive Motor Control Module 'A'
U1889	Battery Energy Control Module 'A' Invalid Data Received From Hybrid/EV Battery Pack Voltage and Current Sensor
U188A	Battery Energy Control Module 'A' Lost Communication With Hybrid/EV Battery Interface Control Module 'A'
U188B	High Voltage Starter Generator Control Module Lost Communication with Hybrid Battery Control Module
U188C	Drive Motor 'B' Control Module Invalid Data Received From Hybrid/EV Battery Control Module
U188D	High Voltage Starter Generator Control Module Lost Communication with Drive Motor 'A' Control Module
U188E	Drive Motor 'B' Control Module Invalid Data Received From Drive Motor 'A' Control Module
U188F	Drive Motor 'B' Control Module Invalid Data Received From Torque and Cooling Control Module
U1890	Battery Energy Control Module 'A' Lost Communication With Body Control Module 'A'
U1891	Electric/Auxiliary Transmission Fluid Pump Control Module Lost Communication With Hybrid/EV Powertrain Control Module
U1892	Electric/Auxiliary Transmission Fluid Pump Control Module Lost Communication With TCU
U1893	Battery Energy Control Module 'A' Lost Communication With Hybrid/EV Battery Interface Control Module 'B'
U1894	Battery Energy Control Module 'A' Lost Communication With Hybrid/EV Battery Interface Control Module 'C'
U1895	Battery Energy Control Module 'A' Lost Communication With Hybrid/EV Battery Interface Control Module 'D'
U1896	Battery Energy Control Module 'A' Lost Communication With Hybrid/EV Battery Interface Control Module 'E'
U1897	Battery Energy Control Module 'A' Lost Communication With Hybrid/EV Battery Interface Control Module 'F'

U1898	Hybrid Battery Control Module Lost Communication With Hybrid/EV Battery Interface Control Module 'G'
U1899	Hybrid Battery Control Module Lost Communication With Hybrid/EV Battery Interface Control Module 'H'
U189A	14 Volt Power Module Lost Communication With Hybrid/EV Powertrain Control Module
U189B	Drive Motor 'A' Control Module Lost Communication With TCM
U189C	Drive Motor 'B' Control Module Lost Communication With TCM
U189D	Drive Motor 'B' Control Module Invalid Data Received From ECM/PCM 'A'
U189E	Drive Motor 'B' Control Module Lost Communication with ECM/PCM 'A'
U189F	Hybrid Battery Control Module Lost Communication With Hybrid/EV Battery Interface Control Module 'J'
U18A0	Hybrid Battery Control Module Lost Communication With Hybrid/EV Battery Interface Control Module 'K'
U18A1	Hybrid Battery Control Module Lost Communication With Hybrid/EV Battery Interface Control Module 'L'
U18A2	Hybrid Battery Control Module Lost Communication With Hybrid/EV Battery Interface Control Module 'I'
U18A3	Hybrid Battery Control Module Lost Communication With Hybrid/EV Battery Interface Control Modules
U18A4	Drive Motor 'B' Control Module Lost Communication With Torque and Cooling Control Module
U18A5	Battery Energy Control Module 'A' Lost Communication With Torque and Cooling Control Module
U18B0	Battery Charger Control Module Lost Communication With Body Control Module 'A'
U18B1	Battery Charger Control Module Invalid Data Received From Body Control Module 'A'
U18B2	Battery Charger Control Module Lost Communication With Drive Motor 'A' Control Module
U18B3	Battery Charger Control Module Invalid Data Received From Drive Motor 'A' Control Module
U18B4	Battery Charger Control Module Lost Communication With Battery Energy Control Module 'A'
U18B5	Battery Charger Control Module Invalid Data Received From Battery Energy Control Module 'A'
U18B6	Battery Charger Control Module Lost Communication with Vehicle Dynamics Control Module
U18B7	Battery Charger Control Module Invalid Data Received From Vehicle Dynamics Control Module
U3000	Control Module
U3001	Control Module Improper Shutdown Performance
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
U3012	Control Module Improper Wake-up Performance
U3013	Control Module Input Power 'C'
U3014	Control Module Input Power 'D'
U3015	Control Module Ground 'C'
U3016	Control Module Ground 'D'
U3017	Control Module Timer/Clock Performance
U3018	Control Module Input Power Circuit 'A'/'B' Correlation
U3019	Control Module Input Power Circuit 'B'/'C' Correlation
U3500	Control Module Input Power 'A' Circuit Range/Performance
U3501	Control Module Input Power 'A' Circuit Low
U3502	Control Module Input Power 'A' Circuit High
U3503	Control Module Input Power 'A' Circuit Intermittent/Erratic
U3504	Control Module Input Power 'B' Circuit Range/Performance

U3505	Control Module Input Power 'B' Circuit Low
U3506	Control Module Input Power 'B' Circuit High
U3507	Control Module Input Power 'B' Circuit Intermittent/Erratic
U3508	Control Module Input Power 'C' Circuit Range/Performance
U3509	Control Module Input Power 'C' Circuit Low
U350A	Control Module Input Power 'C' Circuit High
U350B	Control Module Input Power 'C' Circuit Intermittent/Erratic