

FORD MONDEO ERROR CODES

<https://www.auto-manual.com/ford/ford-mondeo/>

B10A2	CRASH INPUT
B11D5	RESTRAINTS EVENT - VEHICLE DISABLED
B11D8	RESTRAINTS EVENT NOTIFICATION
B1200	CRASH INPUT MISMATCH - CAN INACTIVE HARDWIRED ACTIVE
B1207	CRASH INPUT HARDWIRED SIGNAL
B1213	LESS THAN TWO KEYS PROGRAMMED TO THE PATS CONTROL
B1219	FUEL TANK PRESSURE SENSOR CIRCUIT
B1220	FUEL TANK PRESSURE SENSOR CIRCUIT OPEN
B1262	CRASH INPUT MISMATCH - CAN ACTIVE HARDWIRED IN ACTIVE
B1315	BATTERY SAVER RELAY COIL CIRCUIT SHORT TO BATTERY
B1317	BATTERY VOLTAGE HIGH
B1318	BATTERY VOLTAGE LOW
B1319	DRIVER DOOR AJAR CIRCUIT FAILURE
B1322	DRIVER DOOR AJAR CIRCUIT SHORT TO GROUND
B1342	ECU IS FAULTED
B1355	IGNITION RUN CIRCUIT FAILURE

B1359	IGNITION RUN / ACC CIRCUIT FAILURE
B1365	IGNITION START CIRCUIT SHORT TO BATTERY
B1483	BRAKE PEDAL INPUT CIRCUIT FAILURE
B1485	BRAKE PEDAL INPUT SHORT TO BATTERY
B1555	IGNITION RUN / START CIRCUIT FAILURE
B1600	NO PATS KEY READ BY THE PATS CONTROL
B1601	UNPROGRAMMED PATS KEY
B1602	PARTIAL PATS KEY WAS READ
B1681	PATS TRANSCEIVER SIGNAL IS NOT BEING RECEIVED BY THE PATS CONTROL
B2103	ANTENNA NOT CONNECTED
B2105	THROTTLE POSITION INPUT OUT OF RANGE LOW
B2106	THROTTLE POSITION INPUT OUT OF RANGE HIGH
B2431	KEY PROGRAMMING ERROR
C1160	CENTER AXLE DISCONNECT (CAD) SYSTEM GENERAL FAILURE
C1218	ABS WARNING LAMP OUT CIRCUIT FAILURE
C1222	WHEEL SPEED MISMATCH
C1296	WHEEL SPEED LF SIGNAL FAULT
C1297	WHEEL SPEED RF SIGNAL FAULT

C1298	WHEEL SPEED RR SIGNAL FAULT
C1299	WHEEL SPEED LR SIGNAL FAULT
C1728	TRANSFER CASE UNABLE TO TRANSITION BETWEEN 2H AND 4H
C1729	TRANSFER CASE UNABLE TO TRANSITION BETWEEN 4H AND 4L
C1970	4 X 4 LOW MODE SWITCH LED SHORT TO BATTERY
C1971	5 X 4 LOW MODE SWITCH LED CIRCUIT FAILURE
C1979	IWE SOLENIOD CIRCUIT FAILURE
C1980	IWE SOLENIOD SHORT TO BATTERY
P1000	OBD-II Monitor Testing Incomplete
P1001	KOER Test Cannot Be Completed
P1008	COMBUSTION ENGINE PRODUCING INSUFFICIENT TORQUE
P100F	WASTEGATE CONTROL PRESSURE / BARO CORRELATION
P1011	WASTEGATE CONTROL PRESSURE SENSOR CIRCUIT RANGE / PERFORMANCE
P1012	WASTEGATE CONTROL PRESSURE SENSOR CIRCUIT LOW
P1013	WASTEGATE CONTROL PRESSURE SENSOR CIRCUIT HIGH
P1014	WASTEGATE CONTROL PRESSURE SENSOR CIRCUIT INTERMITTENT / ERRATIC
P1015	WASTEGATE CONTROL PRESSURE LOWER THAN EXPECTED

P1016	WASTEGATE CONTROL PRESSURE HIGHER THAN EXPECTED
P1039	Vehicle Speed Signal Missing or Improper
P1048	ALTERNATIVE FUEL DELIVERY ERROR
P1051	Brake Switch Signal Missing or Improper
P1100	Mass Air Flow Sensor Intermittent
P1101	Mass Air Flow Sensor out of Self-Test Range
P1102	MAF Sensor In Range But Lower Than Expected
P1103	MAF Sensor In Range But Higher Than Expected
P1104	MAF Ground Malfunction
P1105	Dual Alternator Upper Fault
P1106	Dual Alternator Lower Fault/ Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent High Voltage
P1107	Dual Alternator Lower Circuit Malfunction/ Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent Low Voltage
P1108	Dual Alternator Battery Lamp Circuit Malfunction
P1109	IAT - B Sensor Intermittent
P1110	IAT Sensor (D/C) Open/Short
P1111	Intake Air Temperature (IAT) Sensor Circuit Intermittent High Voltage
P1112	Intake Air Temperature Sensor Intermittent

P1113	IAT Sensor Open/Short
P1114	Engine Coolant Temperature (ECT) Sensor Circuit Intermittent Low Voltage/IAT - B Circuit Low Input
P1115	Engine Coolant Temperature (ECT) Sensor Circuit Intermittent High Voltage/IAT - B Circuit High Input
P1116	Engine Coolant Temperature Sensor is out of Self-Test Range
P1117	Engine Coolant Temperature Sensor Intermittent
P1118	Manifold Absolute Temperature Circuit Low Input
P1119	Manifold Absolute Temperature Circuit High Input
P1120	Throttle Position Sensor out of range
P1121	Throttle Position Sensor Inconsistent with Mass Air Flow Sensor
P1122	Throttle Position (TP) Sensor Circuit Intermittent Low Voltage
P1123	Throttle Position Sensor In Range But Higher Than Expected
P1124	Throttle Position Sensor out of Self-Test Range
P1125	Throttle Position Sensor Intermittent
P1126	Throttle Position (Narrow Range) Sensor Circuit Malfunction
P1127	Heated Oxygen Sensor Heater not on During KOER Test
P1128	Heated Oxygen Sensor Signals reversed

P1129	Heated Oxygen Sensor Signals reversed
P1130	Lack of Upstream Heated Oxygen Sensor Switch - Adaptive Fuel Limit - Bank No. 1
P1131	Lack of Upstream Heated Oxygen Sensor Switch - Sensor Indicates Lean - Bank No. 1
P1132	Lack of Upstream Heated Oxygen Sensor Switch - Sensor Indicates Rich - Bank No. 1
P1133	HO2S Insufficient Switching Sensor 1
P1134	HO2S Transition Time Ratio Sensor 1
P1135	Ignition Switch Signal Missing or Improper
P1136	Fan Control Circuit Malfunction
P1137	Lack of Downstream Heated Oxygen Sensor Switch - Sensor Indicates Lean - Bank No. 1
P1138	Lack of Downstream Heated Oxygen Sensor Switch - Sensor Indicates Rich - Bank No. 1
P1139	Water In Fuel Indicator Circuit Malfunction
P1140	Water In Fuel Condition
P1141	Fuel Restriction Indicator Circuit Malfunction
P1142	Fuel Restriction Condition
P1143	Air Assist Control Valve Range/Performance
P1144	Air Assist Control Valve Circuit Malfunction
P1145	CALCULATED TORQUE ERROR

P1148	GENERATOR 2 CONTROL CIRCUIT
P1149	GENERATOR 2 MONITOR CIRCUIT HIGH
P1150	Lack of Upstream Heated Oxygen Sensor Switch - Adaptive Fuel Limit - Bank No. 2
P1151	Lack of Upstream Heated Oxygen Sensor Switch - Sensor Indicates Lean - Bank No. 2
P1152	Lack of Upstream Heated Oxygen Sensor Switch - Sensor Indicates Rich - Bank No. 2
P1153	Bank 2 Fuel Control Shifted Lean
P1154	Bank 2 Fuel Control Shifted Rich
P1155	Alternative Fuel Controller
P1156	Fuel Select Switch Malfunction
P1157	Lack of Downstream Heated Oxygen Sensor Switch - Sensor Indicates Lean - Bank No. 2
P1158	Lack of Downstream Heated Oxygen Sensor Switch - Sensor Indicates Rich - Bank No. 2
P1159	Fuel Stepper Motor Malfunction
P115A	LOW FUEL LEVEL - FORCED LIMITED POWER
P115E	THROTTLE ACTUATOR CONTROL THROTTLE BODY AIR FLOW TRIM AT MAX LIMIT
P1167	Invalid Test,throttle not depressed
P1168	Fuel Rail Sensor In-Range Low Failure
P1169	Fuel Rail Sensor In-Range High Failure

P1170	ESO - Engine Shut Off Solenoid Fault
P1171	Rotor Sensor Fault
P1172	Rotor Control Fault
P1173	Rotor Calibration Fault
P1174	Cam Sensor Fault
P1175	Cam Control Fault
P1176	Cam Calibration Fault
P1177	Synchronization Fault
P1178	(open)
P117A	ENGINE OIL OVERTEMPERATURE - FORCED LIMITED POWER
P117B	EXHAUST GAS TEMPERATURE SENSOR CORRELATION - Bank 1
P117F	FUEL PRESSURE REGULATOR CONTROL EXCEEDED LEARNING LIMITS
P1180	Fuel Delivery System Malfunction - Low
P1181	Fuel Delivery System Malfunction - High
P1182	Fuel Shut Off Solenoid Malfunction
P1183	Engine Oil Temperature Circuit Malfunction
P1184	Engine Oil Temperature Out Of Self Test Range
P1185	FTS High - Fuel Pump Temperature Sensor High

P1186	FTS Low - Fuel Pump Temperature Sensor Low
P1187	Variant Selection
P1188	Calibration Memory Fault
P1189	Pump Speed Signal Fault
P1190	Calibration Resistor Out Of Range
P1191	Key Line Voltage
P1192	Voltage External
P1193	EGR Drive Overcurrent
P1194	ECU A/D Converter
P1195	SCP HBCC Failed To Initialize
P1196	Key Off Voltage High
P1197	Key Off Voltage Low
P1198	Pump Rotor Control Underfueling
P1199	Fuel Level Input Circuit Low
P1200	Injector Control Circuit
P1201	Injector Circuit Open / Shorted - Cylinder #1
P1202	Injector Circuit Open / Shorted - Cylinder #2
P1203	Injector Circuit Open / Shorted - Cylinder #3
P1204	Injector Circuit Open / Shorted - Cylinder #4

P1205	Injector Circuit Open / Shorted - Cylinder #5
P1206	Injector Circuit Open / Shorted - Cylinder #6
P1207	CYLINDER 7 INJECTOR CIRCUIT OPEN / SHORTED
P1208	CYLINDER 8 INJECTOR CIRCUIT OPEN / SHORTED
P1209	Injector Control Pressure System Fault
P120A	SECONDARY FUEL INJECTOR INSUFFICIENT FLOW, BANK 1
P120B	SECONDARY FUEL INJECTOR EXCESSIVE FLOW, BANK 1
P120C	SECONDARY FUEL INJECTOR INSUFFICIENT FLOW, BANK 2
P120D	SECONDARY FUEL INJECTOR EXCESSIVE FLOW, BANK 2
P120F	FUEL PRESSURE REGULATOR EXCESSIVE VARIATION
P1210	Injector Control Pressure Above Expected Level
P1211	Injector Control Pressure Sensor Above / Below Desired
P1212	Injector Control Pressure Not Detected During Crank
P1213	Start Injector Circuit Malfunction
P1214	Pedal Position Sensor B Circuit Intermittent
P1215	Pedal Position Sensor C Circuit Low Input
P1216	Pedal Position Sensor C Circuit High Input
P1217	Pedal Position Sensor C Circuit Intermittent
P1218	CID High

P1219	CID Low
P1220	Series Throttle Control fault
P1221	Traction Control System Malfunction
P1222	Traction Control Output Circuit Malfunction
P1223	Pedal Demand Sensor B Circuit High Input
P1224	Throttle Position Sensor B out of Self-Test Range
P1225	Needle Lift Sensor Malfunction
P1226	Control Sleeve Sensor Malfunction
P1227	Wastegate Failed Closed (Over Pressure)
P1228	Wastegate Failed Open (Under Pressure)
P1229	Intercooler Pump Driver Fault
P1230	Open Power to Fuel Pump circuit
P1231	High Speed Fuel Pump Relay activated
P1232	Low Speed Fuel Pump Primary circuit failure
P1233	Fuel Pump Driver Module off-line
P1234	Fuel Pump Driver Module off-line
P1235	Fuel Pump Control out of range
P1236	Fuel Pump Control out of range
P1237	Fuel Pump Secondary circuit fault

P1238	Fuel Pump Secondary circuit fault
P1239	Speed Fuel Pump Positive Feed Fault
P123C	COLD START TURBOCHARGER PROTECTION - FORCED LIMITED POWER
P1240	Sensor Power Supply Malfunction
P1241	Sensor Power Supply Low Input
P1242	Sensor Power Supply High Input
P1243	Second Fuel Pump Faulty or Ground Fault
P1244	Alternator Load Input Failed High
P1245	Alternator Load Input Failed Low
P1246	Alternator Load Input Failed
P1247	Turbo Boost Pressure Low
P1248	Turbo Boost Pressure Not Detected
P1249	Wastegate Control Valve Performance
P1250	Lack of Power to FPRC Solenoid
P1251	Air Mixture Solenoid Circuit Malfunction
P1252	Pedal Correlation PDS1 and LPDS High
P1253	Pedal Correlation PDS1 and LPDS Low
P1254	Pedal Correlation PDS2 and LPDS High
P1255	Pedal Correlation PDS2 and LPDS Low

P1256	Pedal Correlation PDS1 and HPDS
P1257	Pedal Correlation PDS2 and HPDS
P1258	Pedal Correlation PDS1 and PDS2
P1259	Immobilizer to PCM Signal Error
P1260	Theft Detected - Engine Disabled
P1261	Cylinder #1 High To Low Side Short
P1262	Cylinder #2 High To Low Side Short
P1263	Cylinder #3 High To Low Side Short
P1264	Cylinder #4 High To Low Side Short
P1265	Cylinder #5 High To Low Side Short
P1266	Cylinder #6 High To Low Side Short
P1267	Cylinder #7 High To Low Side Short
P1268	Cylinder #8 High To Low Side Short
P1269	Immobilizer Code Not Programmed
P1270	Engine RPM or Vehicle Speed Limiter Reached
P1271	Cylinder #1 High To Low Side Open
P1272	Cylinder #2 High To Low Side Open
P1273	Cylinder #3 High To Low Side Open
P1274	Cylinder #4 High To Low Side Open

P1275	Cylinder #5 High To Low Side Open
P1276	Cylinder #6 High To Low Side Open
P1277	Cylinder #7 High To Low Side Open
P1278	Cylinder #8 High To Low Side Open
P1279	CONTROL SLEEVE SENSOR CIRCUIT RANGE / PERFORMANCE
P127A	ABORTED KOER - FUEL PRESSURE FAILURE
P127B	ABORTED CAMSHAFT POSITION TIMING KOER - ENGINE OIL TEMPERATURE OUT OF RANGE
P127C	MANIFOLD ABSOLUTE PRESSURE SENSOR OUT OF SELF TEST RANGE
P1280	Injection Control Pressure Out Of Range Low
P1281	Injection Control Pressure Out Of Range High
P1282	Excessive Injection Control Pressure
P1283	IPR Circuit Failure
P1284	Aborted KOER - ICP Failure
P1285	Cylinder head over temp sensed
P1286	Fuel Pulse In Range But Lower Than Expected
P1287	Fuel Pulse In Range But Higher Than Expected
P1288	Cylinder Head Temperature Sensor out of Self-Test Range

P1289	Cylinder Head Temperature Sensor Signal Greater Than Self-Test Range
P128A	CYLINDER HEAD TEMPERATURE (CHT) SENSOR CIRCUIT INTERMITTENT / ERRATIC
P1290	Cylinder Head Temperature Sensor Signal Less Than Self-Test Range
P1291	Injector High Side Short To GND Or VBATT - Bank 1
P1292	Injector High Side Short To GND Or VBATT - Bank 2
P1293	Injector High Side Open - Bank 1
P1294	Injector High Side Open - Bank 2/Target idle not reached
P1295	Multi-faults - Bank 1 - With Low Side Shorts
P1296	Multi-faults - Bank 2 - With Low Side Shorts
P1297	Injector High Sides Shorted Together
P1298	IDM Failure
P1299	Cylinder Head Temperature Sensor Detected Engine Overheating Condition
P1300	Boost Calibration Fault
P1301	Boost Calibration High
P1302	Boost Calibration Low
P1303	EGR Calibration Fault
P1304	EGR Calibration High

P1305	EGR Calibration Low
P1306	Kickdown Relay Pull - In Circuit Fault
P1307	Kickdown Relay Hold Circuit Fault
P1308	A/C Clutch Circuit Fault
P1309	Misfire Detection Monitor not enabled
P130A	KNOCK SENSOR 3 CIRCUIT
P130B	KNOCK SENSOR 4 CIRCUIT
P130C	ENGINE KNOCK / COMBUSTION PERFORMANCE
P130D	ENGINE KNOCK / COMBUSTION PERFORMANCE - FORCED LIMITED POWER
P1310	IONIZATION MISFIRE DETECTION MODULE FAULT
P1311	IONIZATION MISFIRE DETECTION MODULE COMMUNICATION FAULT
P1312	INJECTION PUMP TIMING ACTUATOR CIRCUIT
P1313	Misfire Rate Catalyst Damage Fault - Bank 1
P1314	Misfire Rate Catalyst Damage Fault - Bank 2
P1315	Persistent Misfire
P1316	Injector Circuit / IDM al_dtc_temp Detected
P1317	Injector Circuit / IDM al_dtc_temp Not Updated
P1318	INJECTOR TIMING PISTON POSITION SENSOR CIRCUIT

P1319	INJECTOR TIMING PISTON POSITION SENSOR CIRCUIT RANGE / PERFORMANCE
P1331	TURBOCHARGER / SUPERCHARGER BOOST HIGH SIDE CONTROL CIRCUIT / OPEN
P1334	EGR THROTTLE POSITION SENSOR MINIMUM / MAXIMUM STOP PERFORMANCE
P1335	EGR POSITION SENSOR A MINIMUM / MAXIMUM STOP PERFORMANCE
P1336	Crank / Cam Sensor Range / Performance
P1337	THROTTLE POSITION OUTPUT CIRCUIT
P1340	Camshaft Position Sensor B Circuit Malfunction
P1341	Camshaft Position Sensor B Range / Performance
P1345	SGC (Cam Position) Sensor Circuit Malfunction/ Crankshaft Position - Camshaft Position Correlation
P1346	Fuel Level Sensor B Circuit Malfunction
P1347	Fuel Level Sensor B Range / Performance
P1348	Fuel Level Sensor B Circuit Low
P1349	Fuel Level Sensor B Circuit High
P1350	Fuel Level Sensor B Intermittent/Bypass Line Monitor
P1351	Ignition Diagnostic Monitor circuit Input fault
P1352	Ignition Coil A - Primary circuit fault
P1353	Ignition Coil B - Primary circuit fault

P1354	Ignition Coil C - Primary circuit fault
P1355	Ignition Coil D - Primary circuit fault
P1356	Loss of Ignition Diagnostic Module Input to PCM
P1357	IGNITION DIAGNOSTIC MONITOR (IDM) PULSEWIDTH NOT DEFINED
P1358	Ignition Diagnostic Monitor Signal out of Self-Test Range
P1359	Spark Output circuit fault
P1360	Ignition Coil A Secondary Circuit Malfunction
P1361	Ignition Control (IC) Circuit Low Voltage
P1362	Ignition Coil C Secondary Circuit Malfunction
P1363	Ignition Coil D Secondary Circuit Malfunction
P1364	Ignition Coil Primary circuit fault
P1365	Ignition Coil Secondary Circuit Failure
P1366	Ignition Spare
P1367	Ignition Spare
P1368	Ignition Spare
P1369	Engine Temperature Light Monitor Failure
P1370	Insufficient RMP Increase During Spark Test
P1371	Ignition Coil - Cylinder 1 - Early Activation Fault
P1372	Ignition Coil - Cylinder 2 - Early Activation Fault

P1373	Ignition Coil - Cylinder 3 - Early Activation Fault
P1374	Crankshaft Position (CKP)/Ignition Coil - Cylinder 4 - Early Activation Fault
P1375	Ignition Coil - Cylinder 5 - Early Activation Fault
P1376	Ignition Coil - Cylinder 6 - Early Activation Fault
P1378	FUEL INJECTOR CONTROL MODULE SYSTEM VOLTAGE LOW
P1379	FUEL INJECTOR CONTROL MODULE SYSTEM VOLTAGE HIGH
P1380	VCT Solenoid Valve circuit Short or Open
P1381	Cam Timing Advance is excessive
P1382	Variable Cam Timing Solenoid #1 Circuit Malfunction
P1383	Cam Timing Advance is excessive
P1384	VVT Solenoid A Malfunction
P1385	Variable Cam Timing Solenoid B Malfunction
P1386	Variable Cam Timing Overadvanced (Bank #2)
P1387	Variable Cam Timing Solenoid #2 Circuit Malfunction
P1388	Variable Cam Timing Overretarded (Bank #2)
P1389	Glow Plug Circuit High Side Low Input
P138B	GLOW PLUG CONTROL MODULE SYSTEM VOLTAGE
P1390	Octane Adjust out of Self-Test Range

P1391	Glow Plug Circuit Low Input (Bank #1)
P1392	Glow Plug Circuit High Input (Bank #1)
P1393	Glow Plug Circuit Low Input (Bank #2)
P1394	Glow Plug Circuit High Input (Bank #2)
P1395	Glow Plug Monitor Fault (Bank #1)
P1396	Glow Plug Monitor Fault (Bank #2)
P1397	System Voltage Out Of Self Test Range
P1398	VVT Solenoid B Circuit High Input
P1399	Glow Plug Circuit High Side, High Input
P1400	Differential Pressure Feedback Electronic Sensor circuit Low Voltage
P1401	Differential Pressure Feedback Electronic Sensor circuit High Voltage
P1402	EGR Metering Orifice Restricted
P1403	Differential Pressure Feedback Electronic Sensor Hoses Reversed
P1404	IAT - B Circuit Malfunction/ Exhaust Gas Recirculation Closed Position Performance
P1405	Differential Pressure Feedback Electronic Sensor circuit Upstream Hose
P1406	Differential Pressure Feedback Electronic Sensor circuit Downstream Hose
P1407	EGR No Flow Detected

P1408	EGR Flow out of Self-Test Range
P1409	EVR Control Circuit Malfunction
P1410	EGR Barometric Pressure Sensor VREF Voltage
P1411	Secondary Air is not being diverted
P1412	EXHAUST GAS RECIRCULATION (EGR) VALVE FROZEN
P1413	Secondary Air Injection System Monitor circuit Low Voltage
P1414	Secondary Air Injection System Monitor circuit High Voltage
P1415	Air Pump Circuit Malfunction/ (AIR) System Bank 1
P1416	Port Air Circuit Malfunction/ (AIR) System Bank 2
P1417	Port Air Relief Circuit Malfunction
P1418	Split Air #1 Circuit Malfunction
P1419	Split Air #2 Circuit Malfunction
P1420	Catalyst Temperature Sensor Failure
P1421	Catalyst Damage
P1422	EGI Temperature Sensor Failure
P1423	EGI Functionality Test Failed
P1424	EGI Glow Plug Primary Failure
P1425	EGI Glow Plug Secondary Failure

P1426	EGI Mini - MAF Failed Out Of Range
P1427	EGI Mini - MAF Failed Short Circuit
P1428	EGI Mini - MAF Failed Open Circuit
P1429	Electric Air Pump Primary Failure
P1430	Electric Air Pump Secondary Failure
P1431	MISFIRE MONITOR DISABLED, UNABLE TO LEARN WHEEL PROFILE
P1432	THERMOSTAT HEATER CONTROL CIRCUIT
P1433	A/C Refrigerant Temperature Circuit Low
P1434	A/C Refrigerant Temperature Circuit High
P1435	A/C Refrigerant Temperature Circuit Range/Performance
P1436	A/C Evaporator Air Temperature Circuit Low
P1437	A/C Evaporator Air Temperature Circuit High
P1438	A/C Evaporator Air Temperature Circuit Range/Performance
P1439	Floor Temperature Switch Circuit Malfunction
P1440	Purge Valve Stuck Open
P1442	Secondary Air Injection System Monitor circuit High Voltage
P1443	Evaporative Emission Control System - Vacuum System - Purge Control Solenoid or Purge Control Valve fault

P1444	Purge Flow Sensor circuit Input Low
P1445	Purge Flow Sensor circuit Input High
P1446	Evaporative Vac Solenoid Circuit Malfunction
P1447	ELC System Closure Valve Flow Fault
P1448	ELC System 2 Fault
P1449	Evaporative Check Solenoid Circuit Malfunction
P144A	EVAPORATIVE EMISSION (EVAP) SYSTEM PURGE VAPORLINE RESTRICTED / BLOCKED
P144B	EVAPORATIVE EMISSION (EVAP) SYSTEM SECONDARY PURGE VAPOR LINE RESTRICTED / BLOCKED
P144C	EVAPORATIVE EMISSION (EVAP) SYSTEM PURGE FLOW PERFORMANCE DURING BOOST
P1450	Inability of Evaporative Emission Control System to Bleed Fuel Tank
P1451	EVAP Control System Canister Vent Solenoid Circuit Malfunction
P1452	Inability of Evaporative Emission Control System to Bleed Fuel Tank
P1453	Fuel Tank Pressure Relief Valve Malfunction
P1454	Evaporative System Vacuum Test Malfunction
P1455	Substantial Leak or Blockage in Evaporative Emission Control System
P1456	Fuel Tank Temperature Sensor Circuit Malfunction

P1457	Unable To Pull Vacuum In Tank
P1458	IGNITION TIMING CONTROL SOLENOID
P1459	A/C RECIRCULATION SWITCH OUT OF SELF-TEST RANGE
P145B	A/C DEMAND NOT ACTIVE DURING SELF-TEST
P1460	Wide Open Throttle Air Conditioning Cutoff circuit malfunction
P1461	Air Conditioning Pressure Sensor circuit Low Input
P1462	Air Conditioning Pressure Sensor circuit high Input
P1463	Air Conditioning Pressure Sensor Insufficient Pressure change
P1464	ACCS to PCM High During Self-Test
P1465	A/C Relay Circuit Malfunction
P1466	A/C Refrigerant Temperature Sensor/Circuit Malfunction
P1467	A/C Compressor Temperature Sensor Malfunction
P1468	SSPOD Open Circuit or Closed Circuit Fault
P1469	Low Air Conditioning Cycling Period
P1470	A/C Cycling Period Too Short
P1471	Electrodrive Fan 1 Operational Failure (Driver Side)
P1472	Electrodrive Fan 2 Operational Failure (Passenger Side)
P1473	Fan Secondary High with Fans Off

P1474	Low Fan Control Primary circuit
P1475	Fan Relay (Low) Circuit Malfunction
P1476	Fan Relay (High) Circuit Malfunction
P1477	Additional Fan Relay Circuit Malfunction
P1478	Cooling Fan Driver Fault
P1479	High Fan Control Primary circuit
P1480	Fan Secondary Low with Low Fans On
P1481	Fan Secondary Low with High Fans On
P1482	SCP
P1483	Power to Cooling Fan Exceeded Normal Draw
P1484	Variable Load Control Module Pin 1 Open
P1485	EGRV Circuit Malfunction
P1486	EGRA Circuit Malfunction
P1487	EGRCHK Solenoid Circuit Malfunction
P1488	EXHAUST (muffler) BYPASS CONTROL CIRCUIT
P1489	POSITIVE CRANKCASE VENTILATION (PCV) HEATER CONTROL CIRCUIT
P1490	Secondary Air Relief Solenoid Circuit Malfunction
P1491	Secondary Switch Solenoid Circuit Malfunction
P1492	APLSOL Solenoid Circuit Malfunction

P1493	RCNT Solenoid Circuit Malfunction
P1494	SPCUT Solenoid Circuit Malfunction
P1495	TC SPL Solenoid Circuit Malfunction
P1496	EGR STEPPER MOTOR 1 CONTROL CIRCUIT LOW / HIGH
P1497	EGR STEPPER MOTOR 2 CONTROL CIRCUIT LOW / HIGH
P1498	EGR STEPPER MOTOR 3 CONTROL CIRCUIT LOW / HIGH
P1499	EGR STEPPER MOTOR 4 CONTROL CIRCUIT LOW / HIGH
P1500	Vehicle Speed Sensor Intermittent
P1501	Programmable Speedometer & Odometer Module/Vehicle Speed Sensor Intermittent circuit-failure
P1502	Invalid or Missing Vehicle Speed Message or Brake Data
P1503	Auxillary Speed Sensor Fault
P1504	Intake Air Control circuit malfunction
P1505	Idle Air Control System at Adaptive Clip
P1506	Idle Air Control Over Speed Error
P1507	Idle Air Control Under Speed Error
P1508	Idle Control System Circuit Open
P1509	Idle Control System Circuit Shorted
P1510	Idle Signal Circuit Malfunction
P1511	Idle Switch (Electric Control Throttle) Circuit Malfunction

P1512	Intake Manifold Runner Control Stuck Closed
P1513	Intake Manifold Runner Control Stuck Closed
P1514	High Load Neutral/Drive Fault
P1515	Electric Current Circuit Malfunction
P1516	Intake Manifold Runner Control Input Error
P1517	Intake Manifold Runner Control Input Error
P1518	Intake Manifold Runner Control fault - Stuck Open
P1519	Intake Manifold Runner Control (Stuck Closed)
P151A	INTAKE MANIFOLD RUNNER CONTROLLER PERFORMANCE
P1520	Intake Manifold Runner Control Circuit Malfunction
P1521	Variable Intake Solenoid #1 Circuit Malfunction
P1522	Variable Intake Solenoid #2 Circuit Malfunction
P1523	IVC Solenoid Circuit Malfunction
P1524	Variable Intake Solenoid System
P1525	Air Bypass Valve System
P1526	Air Bypass System
P1527	Accelerate Warmup Solenoid Circuit Malfunction
P1528	Subsidiary Throttle Valve Solenoid Circuit Malfunction
P1529	SCAIR Solenoid Circuit Malfunction

P1530	Open or Short to A/C Compressor Clutch circuit
P1531	Invalid Test - Accelerator Pedal Movement
P1532	IMCC Circuit Malfunction, Bank B
P1533	AAI Circuit Malfunction
P1534	Inertia Switch Activated
P1535	Blower Fan Speed Circuit Range/Performance
P1536	Parking Brake Switch Circuit Failure
P1537	Intake Manifold Runner Control Stuck Open
P1538	Intake Manifold Runner Control Stuck Open
P1539	Power to A/C Compressor Clutch circuit Exceeded Normal Current Draw
P1540	Air Bypass Valve Circuit Malfunction
P1542	PRIMARY PCM ID CIRCUIT (DUAL PCM APPLICATION)
P1548	ENGINE AIR FILTER RESTRICTION
P1549	Intake Manifold Temperature Valve Vacuum Actuator Connection
P1550	Power Steering Pressure Sensor out of Self-Test Range
P1551	CYLINDER 1 INJECTOR CIRCUIT RANGE / PERFORMANCE
P1552	CYLINDER 2 INJECTOR CIRCUIT RANGE / PERFORMANCE
P1553	CYLINDER 3 INJECTOR CIRCUIT RANGE / PERFORMANCE

P1554	CYLINDER 4 INJECTOR CIRCUIT RANGE / PERFORMANCE
P1555	CYLINDER 5 INJECTOR CIRCUIT RANGE / PERFORMANCE
P1556	CYLINDER 6 INJECTOR CIRCUIT RANGE / PERFORMANCE
P1557	CYLINDER 7 INJECTOR CIRCUIT RANGE / PERFORMANCE
P1558	CYLINDER 8 INJECTOR CIRCUIT RANGE / PERFORMANCE
P1561	BRAKE LINE PRESSURE SENSOR CIRCUIT
P1562	PCM B+ VOLTAGE LOW (KAM POWER)
P1565	Speed Control Command Switch Out of Range High
P1566	Speed Control Command Switch Out of Range Low
P1567	Speed Control Output Circuit Continuity
P1568	Speed Control Unable to Hold Speed
P1569	INTAKE MANIFOLD RUNNER CONTROL CIRCUIT LOW
P1570	INTAKE MANIFOLD RUNNER CONTROL CIRCUIT HIGH
P1571	Brake Switch Malfunction
P1572	Brake Pedal Switch Circuit Malfunction
P1573	Throttle Position Not Available
P1574	Throttle Position Sensor Disagreement btwn Sensors
P1575	Pedal Position Out of Self Test Range
P1576	Pedal Position Not Available

P1577	Pedal Position Sensor Disagreement btwn Sensors
P1578	ETC Power Less Than Demand
P1579	ETC In Power Limiting Mode
P1580	Electronic Throttle Monitor PCM Override
P1581	Electronic Throttle Monitor Malfunction
P1582	Electronic Throttle Monitor Data Available
P1583	Electronic Throttle Monitor Cruise Disable
P1584	TCU Detected IPE Circuit Malfunction
P1585	Throttle Control Unit Malfunction
P1586	Throttle Control Unit Throttle Position Malfunction
P1587	Throttle Control Unit Modulated Command Malfunction
P1588	Throttle Control Unit Detected Loss of Return Spring
P1589	TCU Unable To Control Desired Throttle Angle
P1594	FORCED ENGINE SHUTDOWN - REMOTE START SYSTEM FAULT, NO UNATTENDED VEHICLE TIMEOUT
P1595	FORCED ENGINE SHUTDOWN - REMOTE START SYSTEM FAULT, TRANSMISSION RANGE NOT IN PARK
P1600	Loss of KAM Power; Open Circuit
P1601	ECM/TCM Serial Communication Error
P1602	Immobilizer/ECM Communication Error

P1603	EEPROM Malfunction
P1604	Code Word Unregistered
P1605	PCM Keep Alive Memory Test Error
P1606	ECM Control Relay O/P Circuit Malfunction
P1607	MIL O/P Circuit Malfunction
P1608	Internal ECM Malfunction
P1609	Diagnostic Lamp Driver Fault
P160A	CONTROL MODULE VEHICLE OPTIONS RECONFIGURATION ERROR
P160B	GENERATOR MISMATCH WITH VEHICLE CONFIGURATION
P160C	CONTROL MODULE SOFTWARE PERFORMANCE
P160D	CONTROL MODULE INTERNAL VOLTAGE PERFORMANCE
P160E	PCM / ECM / TCM NON-VOLATILE RANDOM ACCESS MEMORY (NVRAM) ERROR
P160F	PCM / ECM / TCM NON-VOLATILE RANDOM ACCESS MEMORY (NVRAM) PERFORMANCE
P1610	SBDS Interactive al_dtc_temp
P1611	SBDS Interactive al_dtc_temp
P1612	SBDS Interactive al_dtc_temp
P1613	SBDS Interactive al_dtc_temp
P1614	SBDS Interactive al_dtc_temp

P1615	SBDS Interactive al_dtc_temp
P1616	SBDS Interactive al_dtc_temp
P1617	SBDS Interactive al_dtc_temp
P1618	SBDS Interactive al_dtc_temp
P1619	SBDS Interactive al_dtc_temp
P161A	INCORRECT RESPONSE FROM IMMOBILIZER CONTROL MODULE
P1620	SBDS Interactive al_dtc_temp
P1621	Control Module Long Term Memory Performance/ Immobilizer Code Words Do Not Match
P1622	Immobilizer ID Does Not Match
P1623	Immobilizer Code Word/ID Number Write Failure
P1624	Anti Theft System
P1625	Voltage to Vehicle Load Control Module Fan circuit not detected
P1626	Voltage to Vehicle Load Control Module circuit not detected
P1627	Module Supply Voltage Out Of Range
P1628	Module Ignition Supply Input Malfunction
P1629	Internal Voltage Regulator Malfunction
P162D	INTERNAL CONTROL MODULE CRUISE CONTROL PERFORMANCE

P162E	INTERNAL CONTROL MODULE PTO CONTROL PERFORMANCE
P162F	STARTER MOTOR DISABLED - ENGINE CRANK TIME TOO LONG
P1630	Internal Vref Malfunction
P1631	Theft Deterrent Start Enable Signal Not Correct/ Main Relay Malfunction (Power Hold)
P1632	Smart Alternator Faults Sensor/Circuit Malfunction
P1633	KAM Voltage Too Low
P1634	Data Output Link Circuit Failure
P1635	Tire / Axle Ratio Out of Acceptable Range
P1636	Inductive Signature Chip Communication Error
P1637	Can Link ECM/ABSCM Circuit / Network Malfunction
P1638	Can Link ECM/INSTM Circuit / Network Malfunction
P1639	Vehicle ID Block Corrupted or Not Programmed
P163E	TRANSMISSION CONTROL MODULE PROGRAMMING ERROR
P163F	TRANSMISSION ID BLOCK CORRUPTED, NOT PROGRAMMED
P1640	Powertrain DTCs Available in Another Module
P1641	Fuel Pump Primary Circuit Failure
P1642	Fuel Pump Monitor Circuit High Input

P1643	Fuel Pump Monitor Circuit Low Input
P1644	Fuel Pump Speed Control Circuit Malfunction
P1645	Fuel Pump Resistor Switch Circuit Malfunction
P1646	LINEAR O2 SENSOR CONTROL CHIP (Bank 1)
P1647	LINEAR O2 SENSOR CONTROL CHIP (Bank 2)
P1649	FUEL INJECTOR PUMP MODULE
P164A	O2 SENSOR POSITIVE CURRENT TRIM CIRCUIT PERFORMANCE (BANK 1 SENSOR 1)
P164B	O2 SENSOR POSITIVE CURRENT TRIM CIRCUIT PERFORMANCE (BANK 2 SENSOR 1)
P164D	ALL WHEEL DRIVE ID BLOCK CORRUPTED, NOT PROGRAMMED
P1650	Power Steering Pressure Switch out of Self-Test Range
P1651	Power Steering Pressure Switch Input fault
P1652	IAC Monitor Disabled by PSP Switch Failed On
P1653	Power Steering Output Circuit Malfunction
P1654	Recirculation Override Circuit Malfunction
P1655	Starter Disable Circuit Malfunction
P1656	CAN LINK PCM / PCM CIRCUIT / NETWORK
P1657	CAN LINK CHIP MALFUNCTION
P165F	PCM / ECM / TCM VEHICLE OPTIONS ERROR

P1660	Output Circuit Check Signal High
P1661	Output Circuit Check Signal Low
P1662	IDM_EN Circuit Failure
P1663	Fuel Demand Command Signal Circuit Malfunction
P1667	CI Circuit Malfunction
P1668	PCM - IDM Communications Error
P1670	Electronic Feedback Signal Not Detected
P1674	CONTROL MODULE SOFTWARE CORRUPTED
P1678	LOW OIL PRESSURE LAMP CONTROL CIRCUIT
P167F	NON-OEM CALIBRATION DETECTED
P1680	Metering Oil Pump Malfunction
P1681	Metering Oil Pump Malfunction
P1682	Metering Oil Pump Malfunction
P1683	Metering Oil Pump Temperature Sensor Circuit Malfunction
P1684	Metering Oil Pump Position Sensor Circuit Malfunction
P1685	Metering Oil Pump Stepping Motor Circuit Malfunction
P1686	Metering Oil Pump Stepping Motor Circuit Malfunction
P1687	Metering Oil Pump Stepping Motor Circuit Malfunction
P1688	Metering Oil Pump Stepping Motor Circuit Malfunction

P1689	Oil Pressure Control Solenoid Circuit Malfunction
P1690	Wastegate Solenoid Circuit Malfunction
P1691	Turbo Pressure Control Solenoid Circuit Malfunction
P1692	Turbo Control Solenoid Circuit Malfunction
P1693	Turbo Charge Control Circuit Malfunction
P1694	Turbo Charge Relief Circuit Malfunction
P1698	COLD START FUEL PUMP PRIMARY CIRCUIT / OPEN
P169D	COLD START FUEL PUMP SECONDARY CIRCUIT LOW
P169E	COLD START FUEL PUMP SECONDARY CIRCUIT HIGH
P1700	Transmission system problems
P1701	Reverse Engagement Error
P1702	Transmission system problems
P1703	Brake On/Off Switch out of Self-Test Range
P1704	Transmission system problems
P1705	Manual Lever Position Sensor out of Self-Test Range
P1706	High Vehicle Speed Observed in Park
P1707	Transfer Case Neutral Indicator Hard Fault Present
P1708	Clutch Switch Circuit Malfunction
P1709	Park or Neutral Position Switch out of Self-Test Range

P170E	CLUTCH DELIVERED TORQUE PERFORMANCE
P170F	CLUTCH PRESSURE RELEASE VALVE FAILED
P1710	Transmission system problems
P1711	Transmission Fluid Temperature Sensor out of Self-Test Range
P1712	Trans Torque Reduction Request Signal Malfunction
P1713	Transmission system problems
P1714	SSA Inductive Signature Malfunction
P1715	SSB Inductive Signature Malfunction
P1716	SSC Inductive Signature Malfunction
P1717	SSD Inductive Signature Malfunction
P1718	TFT Sensor In Range Failure High
P1719	ENGINE TORQUE SIGNAL
P1720	Vehicle Speed (Meter) Circuit Malfunction
P1721	Gear 1 Incorrect Ratio
P1722	Gear 2 Incorrect Ratio
P1723	Gear 3 incorrect Ratio
P1724	Gear 4 Incorrect Ratio
P1725	Insufficient Engine Speed Increase During Self Test
P1726	Insufficient Engine Speed Decrease During Self Test

P1727	Coast Clutch Solenoid Inductive Signature Malfunction
P1728	Transmission Slip Error
P1729	4x4 Low Switch Error
P1730	Gear Control Malfunction 2,3,5
P1731	1-2 Shift Malfunction
P1732	2-3 Shift Malfunction
P1733	3-4 Shift Malfunction
P1734	Gear Control Malfunction
P1735	First Gear Switch Circuit Malfunction
P1736	Second Gear Switch Circuit Malfunction
P1737	Lockup Solenoid System
P1738	Shift Time Error
P1739	Slip Solenoid System
P1740	Transmission system problems
P1741	Torque Converter Clutch Control Error
P1742	Torque Converter Clutch Solenoid Faulty
P1743	Torque Converter Clutch Solenoid Faulty
P1744	Torque Converter Clutch System Stuck in Off Position
P1745	Transmission system problems

P1746	Electronic Pressure Control Solenoid - Open circuit
P1747	Electronic Pressure Control Solenoid - Short circuit
P1748	EPC Malfunction
P1749	Electronic Pressure Control Solenoid Failed Low
P174E	OUTPUT SHAFT SPEED / ABS WHEEL SPEED CORRELATION
P174F	TRACTION CONTROL ENABLE / DISABLE SWITCH LAMP CIRCUIT
P1750	CLUTCH ADAPTIVE LEARNING NOT DONE
P1751	Shift Solenoid No. 1 Performance
P1754	Coast Clutch Solenoid circuit malfunction
P1755	Intermediate Speed Sensor (ISS) Malfunction
P1756	Shift Solenoid No. 2 Performance
P1759	2-4 BRAKE FAILSAFE VALVE MALFUNCTION
P175A	TRANSMISSION FLUID OVER TEMPERATURE - ELECTRIC TRANSMISSION FLUID PUMP DISABLED
P1760	Transmission system problems
P1761	Shift Solenoid No. 3 Performance
P1762	Transmission system problems
P1763	LOW AND REVERSE BRAKE PRESSURE SWITCH CIRCUIT
P1764	LOW AND REVERSE BRAKE FAILSAFE VALVE MALFUNCTION

P1765	Timing Solenoid Circuit Malfunction
P1767	Transmission system problems
P1768	Performance / Normal / Winter Mode Input Malfunction
P1769	AG4 Transmission Torque Modulation Fault
P176C	TRANSMISSION RANGE SELECTOR LOCK CONTROL ERROR
P1770	Clutch Solenoid Circuit Malfunction
P1771	THROTTLE POSITION SENSOR CIRCUIT HIGH
P1772	THROTTLE POSITION SENSOR CIRCUIT LOW
P1773	CAN LINK PCM / FUEL FIRED HEATER MALFUNCTION
P1775	Transmission System MIL Fault
P1776	Ignition Retard Request Duration Fault
P1777	Ignition Retard Request Circuit Fault
P1778	Transmission Reverse I/P Circuit Malfunction
P1779	TCIL Circuit Malfunction
P1780	Transmission Control Switch circuit is out of Self-Test Range
P1781	4x4 Low Switch is out of Self-Test Range
P1782	P/ES Circuit Out Of Self Test Range
P1783	Transmission Over-Temperature Condition
P1784	Transmission system problems

P1785	Transmission system problems
P1786	Transmission system problems
P1787	Transmission system problems
P1788	Transmission system problems
P1789	Transmission system problems
P1790	TP (Mechanical) Circuit Malfunction
P1791	TP (Electric) Circuit Malfunction
P1792	Barometer Pressure Circuit Malfunction
P1793	Intake Air Volume Circuit Malfunction
P1794	Battery Voltage Circuit Malfunction
P1795	Idle Switch Circuit Malfunction
P1796	Kick Down Switch Circuit Malfunction
P1797	Neutral Switch Circuit Malfunction
P1798	Coolant Temperature Circuit Malfunction
P1799	Hold Switch Circuit Malfunction
P1800	Transmission Clutch Interlock Safety Switch Circuit Failure
P1801	Transmission Clutch Interlock Safety Switch Open Circuit
P1802	Transmission Clutch Interlock Safety Switch Short Circuit To Battery

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

P1819	Transmission Neutral Safety Switch Short Circuit To Ground
P181F	CLUTCH CONTROL SYSTEM PERFORMANCE
P1820	Transmission Transfer Case Clockwise Shift Relay Coil Circuit Failure
P1821	Transmission Transfer Case Clockwise Shift Relay Coil Open Circuit
P1822	Transmission Transfer Case Clockwise Shift Relay Coil Short Circuit To Battery
P1823	Transmission Transfer Case Clockwise Shift Relay Coil Short Circuit To Ground
P1824	Transmission 4-Wheel Drive Clutch Relay Circuit Failure
P1825	Transmission 4-Wheel Drive Clutch Relay Open Circuit
P1826	Transmission 4-Wheel Drive Low Clutch Relay Circuit To Battery
P1827	Transmission 4-Wheel Drive Low Clutch Relay Circuit To Ground
P1828	Transmission Transfer Case Counter Clockwise Shift Relay Coil Circuit Failure
P1829	Transmission Transfer Case Counter Clockwise Shift Relay Coil Open Circuit
P182A	TRANSFER CASE FLUID TEMPERATURE SENSOR CIRCUIT
P182B	TRANSFER CASE FLUID TEMPERATURE SENSOR CIRCUIT RANGE / PERFORMANCE
P182C	TRANSFER CASE FLUID TEMPERATURE SENSOR CIRCUIT LOW

P182D	TRANSFER CASE FLUID TEMPERATURE SENSOR CIRCUIT HIGH
P182E	TRANSFER CASE FLUID TEMPERATURE SENSOR CIRCUIT INTERMITTENT
P1830	Transmission Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Battery
P1831	Transmission Transfer Case Counter Clockwise Shift Relay Coil Short Circuit To Ground
P1832	Transmission Transfer Case Differential Lock-Up Solenoid Circuit Failure
P1833	Transmission Transfer Case Differential Lock-Up Solenoid Open Circuit
P1834	Transmission Transfer Case Differential Lock-Up Solenoid Short Circuit To Battery
P1835	Transmission Transfer Case Differential Lock-Up Solenoid Short Circuit To Ground
P1836	Transmission Transfer Case Front Shaft Speed Sensor Circuit Failure
P1837	Transmission Transfer Case Rear Shaft Speed Sensor Circuit Failure
P1838	Transmission Transfer Case Shift Motor Circuit Failure
P1839	Transmission Transfer Case Shift Motor Open Circuit
P183C	TRANSFER CASE COOLING FAN CONTROL CIRCUIT
P1840	Transmission Transfer Case Shift Motor Short Circuit To Battery

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

P1855	Transmission Transfer Case Contact Plate 'C' Open Circuit
P1856	Transmission Transfer Case Contact Plate 'C' Short Circuit To Battery
P1857	Transmission Transfer Case Contact Plate 'C' Short Circuit To Ground
P1858	Transmission Transfer Case Contact Plate 'D' Circuit Failure
P1859	Transmission Transfer Case Contact Plate 'D' Open Circuit
P185A	DIFFERENTIAL LOCK-UP INPUT SWITCH CIRCUIT HIGH
P185B	DIFFERENTIAL LOCK-UP INDICATOR CIRCUIT LOW
P185C	DIFFERENTIAL LOCK-UP INDICATOR CIRCUIT HIGH
P185D	DIFFERENTIAL LOCK-UP CONTROL CIRCUIT PERFORMANCE
P1860	TCC PWM Solenoid Circuit Electrical/ Transmission Transfer Case Contact Plate 'D' Short Circuit To Battery
P1861	Transmission Transfer Case Contact Plate 'D' Short Circuit To Ground
P1862	Transmission Transfer Case Contact Plate Power Circuit Failure
P1863	Transmission Transfer Case Contact Plate Power Open Circuit
P1864	Transmission Transfer Case Contact Plate Power Short To Battery
P1865	Transmission Transfer Case Contact Plate Power Short To Ground

P1866	Transmission Transfer Case System Concern - Servicing Required
P1867	Transmission Transfer Case Contact Plate General Circuit Failure
P1868	Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit Failure
P1869	Transmission Automatic 4-Wheel Drive Indicator (Lamp) Circuit Short To Battery
P186D	CLUTCH ACTUATOR STUCK
P186E	DIFFERENTIAL OIL FILTER LEAKAGE
P186F	DIFFERENTIAL CONTROL MODULE - SOFTWARE INCOMPATIBILITY
P1870	Transmission Component Slipping/ Transmission Mechanical Transfer Case 4x4 Switch Circuit Failure
P1871	Transmission Mechanical Transfer Case 4x4 Switch Circuit Short To Battery
P1872	Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Failure
P1873	Transmission Mechanical 4-Wheel Drive Axle Lock Lamp Circuit Short To Battery
P1874	Transmission Automatic Hall Effect Sensor Power Circuit Failure
P1875	Transmission Automatic Hall Effect Sensor Power Circuit Short To Battery / 4WD Low Switch Circuit Electrical
P1876	Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Failure

P1877	Transmission Transfer Case 2-Wheel Drive Solenoid Circuit Short To Battery
P1878	Transmission Transfer Case Disengaged Solenoid Circuit Failure
P1879	Transmission Transfer Case Disengaged Solenoid Open Circuit
P187A	TRANSFER CASE CONTROL MODULE SYSTEM VOLTAGE LOW - REAR LOCKING DIFFERENTIAL DISABLED
P187B	TIRE SIZE OUT OF ACCEPTABLE RANGE - AWD DISABLED / LIMITED FUNCTION
P1880	Transmission Transfer Case Disengaged Solenoid Short to Battery
P1881	Engine Coolant Level Switch Circuit Failure, GEM
P1882	Engine Coolant Level Switch Circuit Short to Ground
P1883	Engine Coolant Level Switch Circuit Failure, GEM
P1884	Engine Coolant Level Lamp Circuit Short to Ground
P1885	Transmission Transfer Case Disengaged Solenoid Short to Ground
P1886	4X4 Initialization Failure
P1887	4-WHEEL DRIVE CONTROL SOLENOID CIRCUIT FAILURE
P1888	DIFFERENTIAL OIL TEMPERATURE SENSOR CIRCUIT FAILURE
P1889	OIL PRESSURE PUMP PERFORMANCE
P188A	DIFFERENTIAL OIL TEMPERATURE TOO HIGH / TOO LOW

P188B	ALL WHEEL DRIVE CLUTCH CONTROL CIRCUIT
P188C	ALL WHEEL DRIVE RELAY MODULE COMMUNICATION CIRCUIT
P188D	ALL WHEEL DRIVE RELAY MODULE FEEDBACK CIRCUIT
P188E	OIL PRESSURE PUMP CONTROL CIRCUIT
P1890	Transmission 4WD Mode Select Return Input Circuit Failure
P1891	Transmission Transfer Case Contact Plate Ground Return Open Circuit
P1900	Transmission system problems
P1901	TSS Circuit Intermittent Malfunction
P1906	Kickdown Pull Relay Open or Short Circuit to Ground
P1907	Kickdown Hold Relay Open or Short Circuit to Ground
P1908	Transmission Pressure Circuit Solenoid Open or Short to Ground
P1909	Trans Temp Sensor Circuit Open or Shorted to Pwr or Gnd
P1910	VFS A Pressure Output Failed Low
P1911	VFS B Pressure Output Failed Low
P1912	VFS C Pressure Output Failed Low
P1913	Pressure Switch A Circuit Malfunction
P1914	Manually Shifted Automatic (MSA) Sw Circuit Malf

P1915	Reverse Switch Circuit Malfunction
P1916	High Clutch Drum Speed Sensor Malfunction
P1917	High Clutch Drum Speed Sensor Intermittent
P1918	Transmission Range Display Circuit Malfunction
P1919	ENGINE COOLANT TEMPERATURE SIGNAL
P1920	ENGINE SPEED SIGNAL
P1921	TRANSMISSION RANGE SIGNAL
P1934	VEHICLE SPEED SIGNAL
P1935	BRAKE SWITCH / SENSOR SIGNAL
P193B	THROTTLE / PEDAL SIGNAL
P193C	STEERING WHEEL ANGLE SIGNAL
P193D	CRUISE CONTROL MULTI-FUNCTION INPUT SIGNAL
P193E	A/C CLUTCH REQUEST SIGNAL
P193F	VEHICLE SPEED SIGNAL INTERMITTENT
P1A02	TRANSMISSION ONE WAY CLUTCH PERFORMANCE
P1A03	DRIVE MOTOR A SHUTDOWN CIRCUIT
P1A04	GENERATOR SHUTDOWN CIRCUIT
P1A05	DESIRED ENGINE SPEED SIGNAL
P1A06	VEHICLE MODE SIGNAL

P1A07	INVERTER HIGH VOLTAGE PERFORMANCE
P1A08	GENERATOR MODE SIGNAL
P1A0C - HYBRID POWERTRAIN CONTROL MODULE - ENGINE DISABLED	
P1A0D - HYBRID POWERTRAIN CONTROL MODULE - GENERATOR DISABLED	
P1A0E - HYBRID POWERTRAIN CONTROL MODULE - MOTOR DISABLED	
P1A0F - HYBRID POWERTRAIN CONTROL MODULE - VEHICLE DISABLED	
P1A10	HYBRID POWERTRAIN CONTROL MODULE - BATTERY DISABLED
P1A11	HYBRID POWERTRAIN CONTROL MODULE - ONE WAY CLUTCH DISABLED
P1A12	HYBRID POWERTRAIN CONTROL MODULE - GENERATOR BRAKE DISABLED
P1A13	HYBRID POWERTRAIN CONTROL MODULE - REGENERATIVE BRAKING DISABLED
P1A14	HYBRID POWERTRAIN CONTROL MODULE - TRANSMISSION DISABLED
P1A16	VARIABLE VOLTAGE CONTROLLER VOLTAGE CONTROL CIRCUIT
P1A17	VARIABLE VOLTAGE CONTROLLER PROCESSOR

P1A18 VARIABLE VOLTAGE CONTROLLER INDUCTOR
TEMPERATURE SENSOR CIRCUIT

P1A19 VARIABLE VOLTAGE CONTROLLER DRIVER TEMPERATURE
SENSOR CIRCUIT

P1A1A - VARIABLE VOLTAGE
CONTROLLER OVER TEMPERATURE

P1A1B - BRAKE SYSTEM CONTROL
MODULE - FORCED ENGINE RUNNING

U1003 SYSTEM CLOCK

U1006 SUB NETWORK CAN INIALISATION FAILURE

U1010 INVALID INTERNAL CONTROL MODULE MONITORING
DATA RECEIVED FROM HYBRID/EV PCM

U1011 SCP (J1850) INVALID OR MISSING DATA

U1021 SCP (J1850) INVALID OR MISSING DATA FOR A/C CLUTCH
SENSE INPUT

U1029 LOST COMMUNICATION WITH BRAKE SYSTEM CONTROL
MODULE

U1039 SCP (J1850) INVALID OR MISSING DATA FOR VEHICLE
SPEED

U1051 SCP (J1850) INVALID OR MISSING DATA FOR BRAKE INPUT

U1055 LOST COMMUNICATION WITH INSTRUMENT PANEL
CLUSTER (IPC) CONTROL MODULE

U1058 J1850 SCP Trans Fluid Temp Invalid - Instr Clstr

U1059 J1850 SCP TranS/Transaxle PRNDL invalid - Instr Clstr

U1073	J1850 SCP Engine Coolent Invalid - Instr Clstr
U1075	SCP (J1850) INVALID OR MISSING DATA FOR ENGINE OIL TEMPERATURE
U1131	SCP (J1850) INVALID OR MISSING DATA FOR FUEL PUMP STATUS
U1135	SCP (J1850) INVALID OR MISSING DATA FOR IGNITION SWITCH / STARTER
U1260	SCP (J1850) SINGLE ENDED () CIRCUIT
U1261	SCP (J1850) SINGLE ENDED (-) CIRCUIT
U1262	J1850 SCP Comm Bus Fault - Instr Clstr
U1451	SCP (J1850) INVALID OR MISSING DATA FROM ANTI - THEFT MODULE, VEHICLE IMMOBILIZED
U1900	CAN COMMUNICATION BUS FAULT - RECEIVE ERROR
U1950	UBP COMMUNICATION BUS FAULT
U2012	CAR CONFIGURATION PARAMETER(S)
U2015	SCP (J1850) INVALID OR MISSING DATA FROM NGV MODULE
U2023	FAULT RECEIVED FROM EXTERNAL NODE
U2050	NO APPLICATION PRESENT
U2051	ONE OR MORE CALIBRATION FILES MISSING / CORRUPT
U210B	LOST COMMUNICATION BETWEEN FUEL PUMP CONTROL AND RESTRAINTS CONTROL MODULES
U2226	UBP INVALID DATA FROM NODE ID \$10

U2306

UBP INVALID DATA FROM NODE ID \$60

U2511

CAN - DATA MIS-MATCH (RECEIVED DATA DOES NOT
MATCH EXPECTED)