

## **BMW OBDII DTC**

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 1 Sensor 2)
P1090	Pre Catalyst Fuel Trim System too Lean Bank 1
P1091	Pre Catalyst Fuel Trim System too Rich Bank 1
P1092	Pre Catalyst Fuel Trim System too Lean Bank 2
P1093	Pre Catalyst Fuel Trim System too Rich Bank 2
P1094	O2 Sensor Circuit Slow Response in Rich Control Range (Bank 2 Sensor 1)
P1095	O2 Sensor Signal Circuit Slow Switching From Lean to Rich (Bank 1 Sensor 1)
P1096	O2 Sensor Signal Circuit Slow Switching From Lean to Rich (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)
P1106	Pressure sensor, intake manifold - input too low with engine stopped
P1107	Pressure sensor, intake manifold - input too low at idle
P1108	Pressure sensor, intake manifold - input too low at full load and low engine speed
P1109	Pressure sensor, intake manifold - input too high with trailing throttle"
P1111	Engine Coolant Temperature Radiator Outlet Sensor Low Input
P1112	Engine Coolant Temperature Radiator Outlet Sensor High Input
P1115	Coolant Temperature Sensor Plausibility
P1116	Mass or Volume Air Flow Circuit Range/Performance Problem (Bank 2)
P1117	Mass or Volume Air Flow Circuit Low Input (Bank 2)
P1118	Mass or Volume Air Flow Circuit High Input (Bank 2)
P1120	Pedal Position Sensor Circuit
P1121	Pedal Position Sensor 1 Range/Performance Problem
P1122	Pedal Position Sensor 1 Low Input
P1123	Pedal Position Sensor 1 High Input
P1125	Throttle potentiometer 1 and 2 - measuring-range or power-output problem (minor fault)
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)
P1140	Mass or Volume Air Flow Circuit Range/Performance Problem
P1145	Solenoid Valve Running Losses Control Circuit Electrical
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)  
 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 Bank 1 Low  
 P1159 Fuel Trim Adaptation Additive Bank 1 High  
 P1160 Fuel Trim Adaptation Additive Bank 2 Low  
 P1161 Fuel Trim Adaptation Additive Bank 2 High/M52: Engine Oil Temperature Sensor  
 Circuit  
 P1162 Fuel Trim Adaptation Additive per Ignition Bank 1 Low  
 P1163 Fuel Trim Adaptation Additive per Ignition Bank 1 High  
 P1164 Fuel Trim Adaptation Additive per Ignition Bank 2 Low  
 P1165 Fuel Trim Adaptation Additive per Ignition Bank 2 High  
 P1174 Fuel Trim Adaptation Additive Bank 1 Malfunction  
 P1175 Fuel Trim Adaptation Additive Bank 2 Malfunction  
 P1176 O2 Sensor Slow Response Bank 1  
 P1177 O2 Sensor Slow Response Bank 2  
 P1178 O2 Sensor Signal 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)  
 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 O2 Sensor (Bank 1 Sensor 2) Open Circuit During Coast Down Fuel Cut-Off  
 P1183 O2 Sensor (Bank 2 Sensor 2) Open Circuit During Coast Down Fuel Cut-Off  
 P1186 O2 Sensor Heater Control Circuit (Bank 1 Sensor 2)  
 P1187 O2 Sensor Heater Control Circuit (Bank 2 Sensor 2)  
 P1188 Fuel Control (Bank 1 Sensor 1)  
 P1189 Fuel Control (Bank 2 Sensor 1)  
 P1190 Pre Catalyst Fuel Trim System Bank 1  
 P1191 Pre Catalyst Fuel Trim System Bank 2  
 P1192 Post Catalyst Fuel Trim System Bank 1  
 P1193 Post Catalyst Fuel Trim System Bank 2  
 P1221 Pedal Position Sensor 2 Range/Performance Problem  
 P1222 Pedal Position Sensor 2 Low Input  
 P1223 Pedal Position Sensor 2 High Input  
 P1270 Control Module Self-Test; Torque Monitoring/M73: Mass Air Flow Sensor Bank  
 Comparison Plausibility  
 P1271 Ambient Air Pressure Sensor Electrical  
 P1283 Switching Solenoid for Air Assisted Injection Valves Bank 1 Circuit Electrical  
 P1284 Switching Solenoid for Air Assisted Injection Valves Bank 1 Circuit Signal Low  
 P1285 Switching Solenoid for Air Assisted Injection Valves Bank 1 Circuit Signal High  
 P1287 Switching Solenoid for Air Assisted Injection Valves Bank 2 Circuit Electrical  
 P1288 Switching Solenoid for Air Assisted Injection Valves Bank 2 Circuit Signal Low  
 P1289 Switching Solenoid for Air Assisted Injection Valves Bank 2 Circuit Signal High

P1313 A Camshaft Position Actuator Plausibility  
P1317 B Camshaft Position Actuator Plausibility  
P1327 Knock Sensor 2 (Bank 1) Low Input  
P1328 Knock Sensor 2 (Bank)) High Input  
P1332 Knock Sensor 4 Low Input  
P1333 Knock Sensor 4 High Input  
P1340 Multiple Cylinder Misfire During Start  
P1341 Multiple Cylinder Misfire with Fuel Cut-Off  
P1342 Misfire During Start Cylinder 1  
P1343 Misfire Cylinder 1 with Fuel Cut-Off  
P1344 Misfire During Start Cylinder 2  
P1345 Misfire Cylinder 2 with Fuel Cut-Off  
P1346 Misfire During Start Cylinder 3  
P1347 Misfire Cylinder 3 with Fuel Cut-Off  
P1348 Misfire During Start Cylinder 4  
P1349 Misfire Cylinder 4 with Fuel Cut-Off  
P1350 Misfire during Start Cylinder 5  
P1351 Misfire Cylinder 5 with Fuel Cut-Off  
P1352 Misfire during Start Cylinder 6  
P1353 Misfire Cylinder 6 with Fuel Cut-Off  
P1354 Misfire during Start Cylinder 7  
P1355 Misfire Cylinder 7 with Fuel Cut-Off  
P1356 Misfire during Start Cylinder 8  
P1357 Misfire Cylinder 8 with Fuel Cut-Off  
P1358 Misfire during Start Cylinder 9  
P1359 Misfire Cylinder 9 with Fuel Cut-Off  
P1360 Misfire during Start Cylinder 10  
P1361 Misfire Cylinder 10 with Fuel Cut-Off  
P1362 Misfire during Start Cylinder 11  
P1363 Misfire Cylinder 11 with Fuel Cut-Off  
P1364 Misfire during Start Cylinder 12  
P1365 Misfire Cylinder 12 with Fuel Cut-Off  
P1384 Knock Sensor 3 Circuit  
P1385 Knock Sensor 4 Circuit  
P1386 Control Module Self-Test; Knock Control Circuit Baseline Test Bank 1  
P1396 Crankshaft Position Sensor Segment Timing Plausibility  
P1397 Camshaft Position Sensor B Circuit (Bank 1)  
P1400 Heated Catalyst Battery Voltage or Current too Low during Heating (Bank 1)  
P1401 Heated Catalyst Current too High during Heating (Bank 1)  
P1402 Heated Catalyst Power Switch Overtemperature Condition (Bank 1)  
P1403 Carbon Canister Shut-Off Valve Control Circuit Electrical/M73: Heated Catalyst Battery  
Voltage or Current too Low during Heating (Bank 2)  
P1404 Heated Catalyst Current too High during Heating (Bank 2)  
P1405 Heated Catalyst Power Switch Overtemperature Condition (Bank 2)

P1406 Heated Catalyst Internal Control Module Checksum/ROM Error  
P1413 Secondary Air Injection Pump Relay Control Circuit Signal Low  
P1414 Secondary Air Injection Pump Relay Control Circuit Signal High  
P1420 Secondary Air Valve Control Circuit Electrical  
P1421 Secondary Air System Bank 2  
P1423 Secondary Air System Bank 1  
P1432 Secondary Air Injection System Incorrect Flow Detected  
P1438 Purge Control Valve Control Open Circuit  
P1439 Purge Control Valve Control Circuit Signal Low  
P1440 Purge Control Valve Control Circuit Signal High  
P1441 Leakage Diagnostic Pump Control Open Circuit  
P1442 Leakage Diagnostic Pump Control Circuit Signal Low  
P1443 Leakage Diagnostic Pump Control Circuit Signal High  
P1444 Diagnostic Module Tank Leakage (DM-TL) Pump Control Open Circuit  
P1445 Diagnostic Module Tank Leakage (DM-TL) Pump Control Circuit Signal Low  
P1446 Diagnostic Module Tank Leakage (DM-TL) Pump Control Circuit Signal High  
P1447 Diagnostic Module Tank Leakage (DM-TL) Pump Current Too High (Solenoid Test)  
P1448 Diagnostic Module Tank Leakage (DM-TL) Pump Current Too Low (Solenoid Test)  
P1449 Diagnostic Module Tank Leakage (DM-TL) Pump Current Too High  
P1450 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Control Open Circuit  
P1451 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Circuit Signal Low  
P1452 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Circuit Signal High  
P1453 Secondary Air Injection Pump Relay Control Circuit Electrical  
P1454 Secondary Air Injection Pump with Series Resistor Control Circuit Electrical  
P1456 Heated Catalyst Heater Power Supply Open Circuit (Bank 1)  
P1457 Heated Catalyst Power Switch Temperature Sensor Electrical (Bank 1)  
P1459 Heated Catalyst Heater Power Supply Open Circuit (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 Checksum/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 Heated Catalyst Battery Disconnecting Switch Plausibility  
P1470 Leakage Diagnostic Pump Control Circuit Electrical  
P1472 Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Circuit Electrical  
P1473 Diagnostic Module Tank Leakage (DM-TL) Pump Current Plausibility  
P1475 Leakage Diagnostic Pump Reed Switch Did Not  
P1476 Close Leakage Diagnostic Pump Clamped Tube//M52 MY99/00: Leakage Diagnostic  
Pump Reed Switch Circuit Electrical  
P1477 Leakage Diagnostic Pump Reed Switch Did Not Open  
P1500 Idle-Speed Control Valve Stuck Open

P1501 Idle-Speed Control Valve Stuck Closed  
P1502 Idle-Speed Control Valve Closing Solenoid Control Circuit Signal High  
P1503 Idle-Speed Control Valve Closing Solenoid Control Circuit Signal Low  
P1504 Idle-Speed Control Valve Closing Solenoid Control Open Circuit  
P1505 Idle-Speed Control Valve Closing Solenoid Control Circuit Electrical  
P1506 Idle-Speed Control Valve Opening Solenoid Control Circuit Signal High  
P1507 Idle-Speed Control Valve Opening Solenoid Control Circuit Signal Low  
P1508 Idle-Speed Control Valve Opening Solenoid Control Open Circuit  
P1509 Idle-Speed Control Valve Opening Solenoid Control Circuit Electrical  
P1510 Idle-Speed Control Valve Stuck  
P1511 DISA (Differentiated Intake Manifold) Control Circuit Electrical  
P1512 DISA (Differentiated Intake Manifold) Control Circuit Signal Low  
P1513 DISA (Differentiated Intake Manifold) Control Circuit Signal High  
P1519 A Camshaft Position Actuator Bank 1  
P1520 B Camshaft Position Actuator Bank 1  
P1522 A Camshaft Position Actuator Bank 2  
P1523 A Camshaft Position Actuator Signal Low Bank 1//M52: B Camshaft Position Actuator  
Tight or Jammed  
P1524 A Camshaft Position Actuator Control Circuit Signal High Bank 1  
P1525 A Camshaft Position Actuator Control Open Circuit Bank 1  
P1526 A Camshaft Position Actuator Control Open Circuit Bank 2  
P1527 A Camshaft Position Actuator Control Circuit Signal Low Bank 2  
P1528 A Camshaft Position Actuator Control Circuit Signal High Bank 2  
P1529 B Camshaft Position Actuator Control Circuit Signal Low Bank 1  
P1530 B Camshaft Position Actuator Control Circuit Signal High Bank 1  
P1531 B Camshaft Position Actuator Control Open Circuit Bank 1  
P1532 B Camshaft Position Actuator Control Open Circuit Bank 2  
P1533 B Camshaft Position Actuator Control Circuit Signal Low Bank 2  
P1534 B Camshaft Position Actuator Control Circuit Signal High Bank 2  
P1540 Pedal Position Sensor  
P1541 Pedal Position Sensor Double Error  
P1542 Pedal Position Sensor Electrical  
P1543 Pedal Position Sensor  
P1544 Pedal Position Sensor  
P1545 Pedal Position Sensor  
P1550 Idle-Speed Control Valve Closing Solenoid Control Circuit Electrical  
P1552 A Camshaft Position Actuator Control Open Circuit Bank 1  
P1556 A Camshaft Position Actuator Control Open Circuit Bank 1  
P1560 B Camshaft Position Actuator Control Open Circuit Bank 1  
P1564 Control Module Selection  
P1565 B Camshaft Position Actuator Control Open Circuit Bank 1  
P1569 A Camshaft Position Actuator Control Open Circuit Bank 2  
P1573 Electronic Control Module Sensor Supply B Low Output//S54/S62: A Camshaft  
Position Actuator Control Circuit Signal Low Bank 2

P1580 Throttle Valve Mechanically Stuck  
 P1581 B Camshaft Position Actuator Control Open Circuit Bank 2  
 P1589 Control Module Self-Test; Knock Control Test Pulse Bank 1  
 P1593 DISA (Differentiated Intake Manifold) Control Circuit Electrical  
 P1594 B Camshaft Position Actuator Control Open Circuit Bank 2  
 P1602 Control Module Self-Test; Control Module Detective  
 P1603 Control Module Self-Test; Torque Monitoring  
 P1604 Control Module Self-Test; Speed Monitoring  
 P1607 CAN-Version  
 P1608 Serial Communication Link Control Module  
 P1609 Serial Communication Link EML (Electronical Engine-Power Regulation)  
 P1611 Serial Communication Link Transmission Control Module  
 P1619 Map Cooling Thermostat Control Circuit Signal Low  
 P1620 Map Cooling Thermostat Control Circuit Signal High  
 P1622 Map Cooling Thermostat Control Circuit Electrical  
 P1623 Pedal Position Sensor Potentiometer Supply  
 P1624 Pedal Position Sensor Potentiometer Supply Channel 1 Electrical//M52: Coolant  
 Thermostat (Coolant Temperature Below Thermostat Regulating Temp)  
 P1625 Pedal Position Sensor Potentiometer Supply Channel 2 Electrical  
 P1632 Throttle Valve Adaptation; Adaptation Conditions Not Met  
 P1633 Throttle Valve Adaptation; Limp Home Position Unknown  
 P1634 Throttle Valve Adaptation; Spring Test Failed  
 P1635 Throttle Valve Adaptation; Lower Mechanical Stop not Adapted  
 P1636 Throttle Valve Control Circuit  
 P1637 Throttle Valve Position Control; Control Deviation  
 P1638 Throttle Valve Position Control; Throttle Stuck Temporarily  
 P1639 Throttle Valve Position Control; Throttle Stuck Permanently  
 P1640 Internal Control Module (ROM/RAM) Error  
 P1691 Malfunction Indicator Lamp (MIL) Electrical  
 P1734 Pressure Control Solenoid B Electrical  
 P1738 Pressure Control Solenoid C Electrical  
 P1743 Pressure Control Solenoid E Electrical//M44/M52: Brake Band Electrical  
 P1744 Pressure Control Solenoid A Electrical  
 P1746 Transmission Control Module Output Stage  
 P1747 CAN-Bus Monitoring  
 P1748 Transmission Control Module Self-Test  
 P1749 Secondary Pressure Solenoid Communication Error//M52: Transmission Control  
 Module Internal Memory  
 P1750 Secondary Pressure Solenoid Circuit Range/Performance//M44/M52/S52/M62/M73:  
 System Voltage Input Low  
 P1751 Secondary Pressure Solenoid Open Circuit//M52: System Voltage Input High  
 P1761 Shift lock Solenoid Malfunction  
 P1765 CAN Throttle Valve  
 P1770 CAN Torque Interface

P1780 CAN Torque Reduction