

## 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

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