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Tecnologias de diagnostico y reparacion de automoviles

# BMW OBD-II Trouble codes

Code	Description
P1083	Fuel Control Mixture Lean (Bank 1 Sensor 1)
P1084	Fuel Control Mixture Rich (Bank 1 Sensor 1)
P1085	Fuel Control Mixture Lean (Bank 2 Sensor 1)
P1086	Fuel Control Mixture 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 Too Lean Bank 1
P1091	Pre-Catalyst Fuel Trim Too Rich Bank 1
P1092	Pre-Catalyst Fuel Trim Too Lean Bank 2
P1093	Pre-Catalyst Fuel Trim Too Rich Bank 2
P1094	O2 Sensor Circuit Slow Response in Rich Control Range (Bank 2 Sensor 1)
P1095	O2 Sensor Circuit Slow Switching From Lean to Rich (Bank 1 Sensor 1)
P1096	O2 Sensor Circuit Slow Switching From Lean to Rich (Bank 2 Sensor 1)
P1097	O2 Sensor Circuit Slow Response after Coast Down Fuel Cutoff (Bank 1 Sensor 1)
P1098	O2 Sensor Circuit Slow Response after Coast Down Fuel Cutoff (Bank 2 Sensor 2)
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 1 Range/Performance Problem
P1122	Pedal Position 1 Low Input
P1123	Pedal Position 1 High Input
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 2)
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 Intermittant (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 Intermittant (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 Intermittant (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 Additive Bank 1 Low
P1159	Fuel Trim Additive Bank 1 High
P1160	Fuel Trim Additive Bank 2 Low
P1161	Fuel Trim Additive Bank 2 High
P1162	Fuel Trim Additive Per Ignition Bank 1 Low
P1163	Fuel Trim Additive Per Ignition Bank 1 High

- P1164** Fuel Trim Additive Per Ignition Bank 2 Low
- P1165** Fuel Trim 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
- P1271** Ambient Air Pressure Sensor Electrical
- P1283** Switching Solenoid for Air Assisted Injection Valves Bank 1 Control Circuit Electrical
- P1284** Switching Solenoid for Air Assisted Injection Valves Bank 1 Control Circuit Signal Low
- P1285** Switching Solenoid for Air Assisted Injection Valves Bank 1 Control Circuit Signal High
- P1287** Switching Solenoid for Air Assisted Injection Valves Bank 2 Control Circuit Electrical
- P1288** Switching Solenoid for Air Assisted Injection Valves Bank 2 Control Circuit Signal Low
- P1289** Switching Solenoid for Air Assisted Injection Valves Bank 2 Control Circuit Signal High
- P1313** A Camshaft Position Plausibility
- P1317** B Camshaft Position Plausibility
- P1327** Knock Sensor 2 (Bank 1) Low Input
- P1328** Knock Sensor 2 (Bank 1) 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 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
- 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 System Monitor Circuit High
- P1420** Secondary Air Valve Control Circuit Electrical
- P1421** Secondary Air System Bank 1
- P1422** Secondary Air System Bank 2
- 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 Too High During Switching
- P1448** Diagnostic Module Tank Leakage (DM-TL) Pump Too Low During Switching
- P1449** Diagnostic Module Tank Leakage (DM-TL) Pump Too High
- P1450** Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Open Circuit
- P1451** Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Control Circuit Signal Low
- P1452** Diagnostic Module Tank Leakage (DM-TL) Switching Solenoid Control 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 Heater Power Switch Temperature Sensor Electrical (Bank 1)
- P1459** Heated Catalyst Heater Power Supply Open Circuit (Bank 2)
- P1460** Heated Catalyst Heater Power Switch Temperature Sensor Electrical (Bank 2)
- P1461** Heated Catalyst Gate Voltage Signal Low
- P1462** Heated Catalyst Internal Control Module Checksum/ROM 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 Control Circuit Electrical

**P1473** Diagnostic Module Tank leakage (DM-TL) Pump Current Plausibility  
**P1475** Leakage Diagnostic Pump Reed Switch Did Not Close  
**P1476** Leakage Diagnostic Pump Clamped Tube  
**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 or Low  
**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 Open Solenoid Control Circuit Signal High  
**P1507** Idle Speed Control Valve Open 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 Control Circuit Electrical  
**P1512** DISA Control Circuit Signal Low  
**P1513** DISA 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  
**P1524** A Camshaft Position Actuator 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 1  
**P1528** A Camshaft Position Actuator Control Circuit Signal High Bank 1  
**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  
**P1546** Pedal Position Sensor  
**P1550** Idle Speed Control valve Closing Solenoid Control Circuit Electrical  
**P1551** A Camshaft Position Actuator Control Open Circuit Bank 1  
**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  
**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 Control Circuit Electrical  
**P1594** B Camshaft Position Actuator Control Open Circuit Bank 2  
**P1602** Control Module Self Test, Control Module Defective  
**P1603** Control Module Self Test, Torque Monitoring  
**P1604** Control Module Self Test, Speed Monitoring

**P1607** CAN Version  
**P1608** Serial Communicating Link Control Module  
**P1609** Serial Communicating Link EML  
**P1611** Serial Communicating Link Transmission Control Module  
**P1619** MAP Cooling Control Circuit Signal Low  
**P1620** MAP Cooling Control Circuit Signal High  
**P1622** MAP Cooling Control Circuit Electrical  
**P1623** Pedal Position Sensor Potentiometer Supply  
**P1624** Pedal Position Sensor Potentiometer Supply Channel 1 Electrical  
**P1625** Pedal Position Sensor Potentiometer Supply Channel 2 Electrical  
**P1632** Throttle Valve Adaptation; Adaptation Condition Not Met  
**P1633** Throttle Valve Adaptation; Limp Home Position  
**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  
**P1690** Malfunction Indicator Lamp (MIL) Electrical  
**P1734** Pressure Control Solenoid "B" Electrical  
**P1738** Pressure Control Solenoid "C" Electrical  
**P1743** Pressure Control Solenoid "E" 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  
**P1750** Secondary Pressure Solenoid Circuit Range/Performance  
**P1751** Secondary Pressure Solenoid Open Circuit  
**P1761** Shift Solenoid Malfunction  
**P1765** CAN Throttle Valve  
**P1770** CAN Torque Interface  
**P1780** CAN Torque Reduction