

# Autódiagnosztikai műszer OPEL típusokhoz



Ingyenesen letölthető javítási segédletek és oktató anyagok  
autószerelőknek



Kizárólagos magyarországi forgalmazó:

[www.opel-autodiagnostika.com](http://www.opel-autodiagnostika.com)

## Gyártóspecifikus GM hibakódok táblázat

Általános tájékoztató a GM típusokhoz. Egyes típusoknál fordulhatnak elő eltérések. A listát mindenki csak a saját felelősségére használja. Az esetleg tévedésekből adódó károkért felelősséget NEM vállalunk!

- P1031 Heated Oxygen Sensor (HO2S) Heater Current Monitor Control Circuit Banks 1 and 2 Sensor 1
- P1032 Heated Oxygen Sensor (HO2S) Heater Warm Up Control Circuit Banks 1 and 2 Sensor 1
- P1101 Actual measured airflow from MAF, MAP, EGR, and TP is not within range of the calculated airflow
- P1105 Secondary Vacuum Sensor Circuit
- P1106 Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent High Voltage
- P1107 Manifold Absolute Pressure (MAP) Sensor Circuit Intermittent Low Voltage
- P1108 BARO to MAP Sensor Comparison Too High
- P1109 Secondary Port Throttle System
- P1111 Intake Air Temperature (IAT) Sensor Circuit Intermittent High Voltage
- P1112 Intake Air Temperature (IAT) Sensor Circuit Intermittent Low Voltage
- P1113 Intake Resonance Switchover Solenoid Control Circuit
- P1114 Engine Coolant Temperature (ECT) Sensor Circuit Intermittent Low Voltage
- P1115 Engine Coolant Temperature (ECT) Sensor Circuit Intermittent High Voltage
- P1116 ECT Signal Unstable or Intermittent
- P1117 Engine Coolant Temp. Signal Out-Of-Range Low
- P1118 Engine Coolant Temp. Signal Out-Of-Range High
- P1119 ECT Signal Out-Of-Range With TFT Sensor
- P1120 Throttle Position (TP) Sensor 1 Circuit
- P1121 Throttle Position (TP) Sensor Circuit Intermittent High Voltage
- P1122 Throttle Position (TP) Sensor Circuit Intermittent Low Voltage
- P1125 Accelerator Pedal Position (APP) System
- P1130 Heated Oxygen Sensor (HO2S) Circuit Low Variance Bank 1 Sensor 1
- P1131 Heated Oxygen Sensor (HO2S) Circuit Low Variance Bank 1 Sensor 2
- P1132 Heated Oxygen Sensor (HO2S) Circuit Low Variance Bank 2 Sensor 1
- P1133 Heated Oxygen Sensor (HO2S) Insufficient Switching Bank 1 Sensor 1
- P1134 Heated Oxygen Sensor (HO2S) Transition Time Ratio Bank 1 Sensor 1
- P1135 Heated Oxygen Sensor (HO2S) Lean Mean Bank 1 Sensor 1
- P1136 Heated Oxygen Sensor (HO2S) Rich Mean Bank 1 Sensor 1
- P1137 Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2 Lean System or Low Voltage
- P1138 Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2 Rich or High Voltage
- P1139 Heated Oxygen Sensor (HO2S) Insuff. Switching Bank 1 Sensor 2
- P1140 Heated Oxygen Sensor (HO2S) Transition Time Ratio Bank 1 Sensor 2
- P1141 Heated Oxygen Sensor (HO2S) Heater Control Circuit Bank 1 Sensor 2
- P1143 Heated Oxygen Sensor (HO2S) Bank 1 Sensor 3 Lean System or Low Voltage
- P1144 Heated Oxygen Sensor (HO2S) Bank 1 Sensor 3 Rich or High Voltage
- P1145 Heated Oxygen Sensor (HO2S) Cross Counts Bank 1 Sensor 3
- P1153 Heated Oxygen Sensor (HO2S) Insufficient Switching Bank 2 Sensor 1
- P1154 Heated Oxygen Sensor (HO2S) Transition Time Ratio Bank 2 Sensor 1
- P1155 Heated Oxygen Sensor (HO2S) Lean Mean Bank 2 Sensor 1
- P1156 Heated Oxygen Sensor (HO2S) Rich Mean Bank 2 Sensor 1
- P1157 Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2 Lean System or Low Voltage
- P1158 Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2 Rich or High Voltage



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P1159 Heated Oxygen Sensor (HO2S) Cross Counts Bank 2 Sensor 2  
P1161 Heated Oxygen Sensor (HO2S) Heater Control Circuit Bank 2 Sensor 2  
P1163 Heated Oxygen Sensor (HO2S) Bank 2 Sensor 3 Lean System or Low Voltage  
P1164 Heated Oxygen Sensor (HO2S) Bank 2 Sensor 3 Rich or High Voltage  
P1165 Heated Oxygen Sensor (HO2S) Cross Counts Bank 2 Sensor 3  
P1170 Bank to Bank Fuel Trim Offset  
P1171 Fuel System Lean During Acceleration  
P1172 Fuel Transfer Pump Flow Insufficient  
P1185 Engine Oil Temperature Circuit  
P1186 EOT Circuit Performance  
P1187 EOT Sensor Circuit Low Voltage  
P1188 EOT Sensor Circuit High Voltage  
P1189 Engine Oil Pressure (EOP) Switch Circuit  
P1190 Engine Vacuum Leak  
P1191 Intake Air Duct Air Leak  
P1200 Injector Control Circuit  
P1201 (Alt. Fuel) Gas Mass Sensor Circuit Range/Performance  
P1202 (Alt. Fuel) Gas Mass Sensor Circuit Low Frequency  
P1203 (Alt. Fuel) Gas Mass Sensor Circuit High Frequency  
P1211 Mass Air Flow Circuit Intermittent High  
P1212 Mass Air Flow Circuit Intermittent Low  
P1214 Injection Pump Timing Offset  
P1215 Ground Fault Detection Indicated  
P1216 Fuel Solenoid Response Time Too Short  
P1217 Fuel Solenoid Response Time Too Long  
P1218 Injection Pump Calibration Circuit  
P1219 Throttle Position Sensor Reference Voltage  
P1220 Throttle Position (TP) Sensor 2 Circuit  
P1221 Fuel Pump Secondary Circuit Low  
P1222 Injector Control Circuit Intermittent  
P1225 Injector Circuit Cylinder 2 Intermittent  
P1228 Injector Circuit Cylinder 3 Intermittent  
P1231 Injector Circuit Cylinder 4 Intermittent  
P1234 Injector Circuit Cylinder 5 Intermittent  
P1237 Injector Circuit Cylinder 6 Intermittent  
P1240 Injector Circuit Cylinder 7 Intermittent  
P1243 Injector Circuit Cylinder 8 Intermittent  
P1245 Intake Plenum Switchover Valve  
P1250 Early Fuel Evaporation Heater Circuit  
P1257 Supercharger System Overboost  
P1258 Engine Coolant Overtemperature - above 268°F - Protection Mode Active  
P1260 Last Test Failed Failed SCC ENTER:More Info.  
P1270 Accelerator Pedal Position Sensor A/D Converter Error  
P1271 Accelerator Pedal Position (APP) Sensor 1-2 Correlation  
P1272 Accelerator Pedal Position Sensor 2  
P1273 Accelerator Pedal Position Sensor 1  
P1274 Injectors Wired Incorrectly  
P1275 Accelerator Pedal Position (APP) Sensor 1 Circuit  
P1276 Accelerator Pedal Position Sensor 1 Circuit Performance



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P1277 Accelerator Pedal Position Sensor 1 Circuit Low Voltage  
P1278 Accelerator Pedal Position Sensor 1 Circuit High Voltage  
P1280 Accelerator Pedal Position (APP) Sensor 2 Circuit  
P1281 Accelerator Pedal Position Sensor 2 Circuit Performance  
P1282 Accelerator Pedal Position Sensor 2 Circuit Low Voltage  
P1283 Accelerator Pedal Position Sensor 2 Circuit High Voltage  
P1285 Accelerator Pedal Position Sensor 3 Circuit  
P1286 Accelerator Pedal Position Sensor 3 Circuit Performance  
P1287 Accelerator Pedal Position Sensor 3 Circuit Low Voltage  
P1288 Accelerator Pedal Position Sensor 3 Circuit High Voltage  
P1300 Ignitor Circuit  
P1305 Ignition Coil 2 Primary Feedback Circuit  
P1310 Ignition Coil 3 Primary Feedback Circuit  
P1315 Ignition Coil 4 Primary Feedback Circuit  
P1320 IC 4X Reference Circuit Intermittent  
P1321 Electronic Ignition System Fault Line  
P1322 EI System or Ignition Control Extra or Missing  
P1323 IC 24X Reference Circuit Low Frequency  
P1324 Crank RPM Too Low  
P1325 CKP Circuit  
P1336 Crankshaft Position (CKP) System Variation Not Learned  
P1345 Crankshaft Position (CKP)-Camshaft Position (CMP) Correlation  
P1346 Intake Camshaft Position [CMP] Sensor System Performance  
P1350 Ignition Control System  
P1351 Ignition Coil Control Circuit High Voltage  
P1352 IC Output High/Pulse Detected when GND\_Cyl. 2  
P1353 IC Output High/Pulse Detected when GND\_Cyl. 3  
P1354 IC Output High/Pulse Detected when GND\_Cyl. 4  
P1355 IC Output High/Pulse Detected when GND\_Cyl. 5  
P1356 IC Output High/Pulse Detected when GND\_Cyl. 6  
P1357 IC Output High/Pulse Detected when GND\_Cyl. 7  
P1358 IC Output High/Pulse Detected when GND\_Cyl. 8  
P1359 Ignition Coil Group 1 Control Circuit  
P1360 Ignition Coil Group 2 Control Circuit  
P1361 Ignition Coil Control Circuit Low Voltage  
P1362 IC Cylinder 2 Not Toggling After Enable  
P1363 IC Cylinder 3 Not Toggling After Enable  
P1364 IC Cylinder 4 Not Toggling After Enable  
P1365 IC Cylinder 5 Not Toggling After Enable  
P1366 IC Cylinder 6 Not Toggling After Enable  
P1367 IC Cylinder 7 Not Toggling After Enable  
P1368 IC Cylinder 8 Not Toggling After Enable  
P1370 IC 4X Reference Circuit Too Many Pulses  
P1371 IC 4X Reference Circuit Too Few Pulses  
P1372 Crankshaft Position (CKP) Sensor A-B Correlation  
P1374 3X Reference Circuit  
P1375 IC 24X Reference Circuit High Voltage  
P1376 Ignition Ground Circuit  
P1377 IC Cam Pulse To 4X Reference Pulse



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P1380 Misfire Detected - Rough Road Data Not Available  
P1381 Misfire Detected - No Communication with Brake Control Module  
P1390 Wheel Speed Sensor 1 - G - Sensor Circuit  
P1391 Wheel Speed Sensor 1 - G - Sensor Circuit Performance  
P1392 Wheel Speed Sensor 1 - G - Sensor Circuit Low Voltage  
P1393 Wheel Speed Sensor 1 - G - Sensor Circuit High Voltage  
P1394 Wheel Speed Sensor 1 - G - Sensor Circuit Intermittent  
P1395 Wheel Speed Sensor 2 - G - Sensor Circuit  
P1396 Wheel Speed Sensor 2 - G - Sensor Circuit Performance  
P1397 Wheel Speed Sensor 2 - G - Sensor Circuit Low Voltage  
P1398 Wheel Speed Sensor 2 - G - Sensor Circuit High Voltage  
P1399 Wheel Speed Sensor 2 - G - Sensor Circuit Intermittent  
P1403 Exhaust Gas Recirculation System Valve 1  
P1404 Exhaust Gas Recirculation (EGR) Closed Position Performance  
P1405 Exhaust Gas Recirculation System Valve 3  
P1406 EGR Valve Pintle Position Circuit  
P1407 EGR Air Intrusion in Exhaust Supply to EGR Valve  
P1408 Intake Manifold Pressure Sensor Circuit  
P1409 EGR Vacuum System Leak  
P1410 Fuel Tank Pressure System  
P1415 Secondary Air Injection (AIR) System Bank 1  
P1416 Secondary Air Injection (AIR) System Bank 2  
P1418 Secondary Air Injection System Relay A Control Circuit High  
P1420 Intake Air Low Pressure Switch Circuit Low Voltage  
P1421 Intake Air Low Pressure Switch Circuit High Voltage  
P1423 Intake Air High Pressure Switch Circuit High Voltage  
P1431 Fuel Level Sensor 2 Circuit Performance  
P1432 Fuel Level Sensor 2 Circuit Low Voltage  
P1433 Fuel Level Sensor 2 Circuit High Voltage  
P1441 Evaporative Emission (EVAP) System Flow During Non-Purge  
P1442 EVAP Vacuum Sw. High Voltage During Ign. On  
P1450 Barometric Pressure Sensor Circuit  
P1451 Barometric Press. Sensor Performance  
P1460 Cooling Fan Control System  
P1480 Cooling Fan 1 Control Circuit High  
P1481 Cooling Fan Speed Sensor Circuit  
P1482 Cooling Fan Speed Output Circuit  
P1483 Engine Cooling System Performance  
P1484 Cooling Fan System Performance  
P1500 Starter Signal Circuit  
P1501 Theft Deterrent System  
P1502 Vehicle Speed Sensor Circuit Intermittent  
P1503 Theft Deterrent Fuel Enable Signal Not Received  
P1504 Theft Deterrent Fuel Enable Signal Not Correct  
P1505 Vehicle Speed Output Circuit  
P1508 Idle Speed Low - Idle Air Control (IAC) System Not Responding  
P1509 Idle Speed High - Idle Air Control (IAC) System Not Responding  
P1510 Throttle Control System Performance - Throttle Limitation Active  
P1511 Throttle Control System - Backup System Performance



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P1514 Airflow to TP Sensor Correlation High  
P1515 Electronic Throttle System Throttle Position  
P1516 Throttle Actuator Control (TAC) Module Throttle Actuator Position Performance  
P1517 Electronic Throttle Module  
P1518 Electronic Throttle Module to PCM Communication  
P1519 Throttle Actuator Control (TAC) Module Internal Circuit  
P1520 Transmission Range Switch Circuit  
P1521 Transmission Engaged at High Throttle Angle  
P1522 Park/Neutral to Drive/Reverse at High RPM  
P1523 Throttle Closed Position Performance  
P1524 Throttle Closed Position Performance  
P1525 Throttle Body ServiceRequired  
P1526 Minimum Throttle Position Not Learned  
P1527 Transmission Range to Pressure Switch Correlation  
P1528 Governor  
P1529 Heated Windshield Request Problem  
P1530 Throttle Actuator Control (TAC) Module Internal Circuit  
P1531 A/C Low Side Temperature Sensor Fault  
P1532 A/C Evaporator Temp. Sens. Circuit Low Voltage  
P1533 A/C Evaporator Temp. Sens. Circuit High Voltage  
P1534 A/C High Side Temp. Sensor Low Voltage  
P1535 A/C High Side Temperature Sensor Circuit  
P1536 Engine Coolant Overtemperature - Air Conditioning (A/C) Disabled  
P1537 A/C Request Circuit Low Voltage  
P1538 A/C Request Circuit High Voltage  
P1539 A/C Clutch Status Circuit High Voltage  
P1540 Air Conditioning (A/C) Refrigerant Overpressure - Air Conditioning (A/C) Disabled  
P1541 A/C High Side Over Temperature  
P1542 A/C System High Pressure High Temperature  
P1543 A/C System Performance  
P1544 A/C Refrigerant Condition Very Low  
P1545 Air Conditioning (A/C) Clutch Relay Control Circuit  
P1546 A/C Clutch Status Circuit Low Voltage  
P1547 A/C System Performance Degraded  
P1548 A/C Recirculation Circuit  
P1551 Throttle Valve Rest Position Not Reached During Learn  
P1554 Cruise Control Feedback Circuit  
P1555 Electronic Variable Orifice Output  
P1558 Cruise Control Servo Indicates Low  
P1559 Cruise Control Power Management Mode  
P1560 Transaxle Not in Drive - Cruise Control Disabled  
P1561 Cruise Vent Solenoid  
P1562 Cruise Vacuum Solenoid  
P1563 Cruise Vehicle Speed/Set Speed Difference Too High  
P1564 Vehicle Acceleration Too High - Cruise Control Disabled  
P1565 Cruise Servo Position Sensor  
P1566 Engine RPM Too High - Cruise Control Disabled  
P1567 Active Banking Control Active - Cruise Control Disabled  
P1568 Cruise Servo Stroke Greater than Commanded in Cruise



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P1569 Cruise Servo Stroke High While not in Cruise  
P1570 Traction Control Active - Cruise Control Disabled  
P1571 Traction Control Torque Request Circuit  
P1572 ASR Active Circuit Low Too Long  
P1573 PCM/EBTCM Serial Data Circuit  
P1574 Stoplamp Switch Circuit  
P1575 Extended Travel Brake Switch Circuit  
P1576 BBV Sensor Circuit High Voltage  
P1577 BBV Sensor Circuit Low Voltage  
P1578 BBV Sensor Circuit Low Vacuum  
P1579 P/N to D/R at High Throttle Angle - Power Reduction Mode Active  
P1580 Cruise Move Circuit Low Voltage  
P1581 Cruise Move Circuit High Voltage  
P1582 Cruise Direction Circuit Low Voltage  
P1583 Cruise Direction Circuit High Voltage  
P1584 Cruise Control Disabled  
P1585 Cruise Control Inhibit Output Circuit  
P1586 Cruise Control Brake Switch 2 Circuit  
P1587 Cruise Control Clutch Control Circuit Low  
P1588 Cruise Control Clutch Control Circuit High  
P1599 Engine Stall or Near Stall Detected  
P1600 TCM Internal Watchdog Operation  
P1601 Serial Comm. Problem With Device 1  
P1602 Knock Sensor (KS) Module Performance  
P1603 Loss of SDM Serial Data  
P1604 Loss of IPC Serial Data  
P1605 Loss of HVAC Serial Data  
P1606 Serial Communication Problem With Device 6  
P1607 Serial Communication Problem With Device 7  
P1608 Serial Communication Problem With Device 8  
P1609 Loss Of TCS Serial Data  
P1610 Loss of PZM Serial Data  
P1611 Loss of CVRTD Serial Data  
P1612 Loss of IPM Serial Data  
P1613 Loss of DIM Serial Data  
P1614 Loss of RIM Serial Data  
P1615 Loss of VTD Serial Data  
P1617 Engine Oil Level Switch Circuit  
P1619 Engine Oil Life Monitor Reset Circuit  
P1620 Low Coolant Circuit  
P1621 Control Module Long Term Memory Performance  
P1622 Cylinder Select  
P1623 Transmission Temp Pull-Up Resistor  
P1624 Customer Snapshot Requested - Data Available  
P1625 TCM System Reset  
P1626 Theft Deterrent Fuel Enable Signal Not Received  
P1627 A/D Performance  
P1628 ECT Pull-Up Resistor  
P1629 Theft Deterrent System - Cranking Signal



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P1630 Theft Deterrent Learn Mode Active  
P1631 Theft Deterrent Start Enable Signal Not Correct  
P1632 Theft Deterrent Fuel Disable Signal Received  
P1633 Ignition 0 Switch Circuit  
P1634 Ignition 1 Switch Circuit  
P1635 5 Volt Reference Circuit  
P1636 PCM Stack Overrun  
P1637 Generator L-Terminal Circuit  
P1638 Generator F-Terminal Circuit  
P1639 5 Volt Reference 2 Circuit  
P1640 Driver-1-Input High Voltage  
P1641 Malfunction Indicator Lamp (MIL) Control Circuit  
P1642 Vehicle Speed Output Circuit  
P1643 Engine Speed Output Circuit  
P1644 Traction Control Delivered Torque Output Circuit  
P1645 Evaporative Emission (EVAP) Vent Solenoid Control Circuit  
P1646 Evaporative Emission (EVAP) Vent Solenoid Control Circuit  
P1647 Driver 1 Line 7  
P1650 Control Module Output B Circuit  
P1651 Fan 1 Relay Control Circuit  
P1652 Powertrain Induced Chassis Pitch Output Circuit  
P1653 Oil Level Lamp Control Circuit  
P1654 Cruise Control Inhibit Output Circuit  
P1655 EVAP Purge Solenoid Control Circuit  
P1656 Driver 2 Line 6  
P1657 1-4 Upshift Solenoid Control Circuit  
P1658 Starter Enable Relay Control Circuit  
P1660 Cooling Fan Control Circuits  
P1661 MIL Control Circuit  
P1662 Cruise Lamp Control Circuit  
P1663 Oil Life Lamp Control Circuit  
P1664 1-4 Upshift Lamp Control Circuit  
P1665 Driver 3 Line 5  
P1666 Driver 3 Line 6  
P1667 Reverse Inhibit Solenoid Control Circuit  
P1669 ABS Unit Expected  
P1670 Driver 4  
P1671 Driver 4 Line 1  
P1672 Low Engine Oil Level Lamp Control Circuit  
P1673 Engine Hot Lamp Control Circuit  
P1674 Tachometer Control Circuit  
P1675 EVAP Vent Solenoid Control Circuit  
P1676 Driver 4 Line 6  
P1677 Driver 4 Line 7  
P1680 Driver 5 (ECU Malfunction)  
P1681 Driver 5 Line 1  
P1682 Driver 5 Line 2  
P1683 Driver 5 Line 3  
P1684 Driver 5 Line 4



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P1685 Driver 5 Line 5  
P1686 Driver 5 Line 6  
P1687 Driver 5 Line 7  
P1689 Delivered Torque Circuit Fault  
P1690 ECM Loop Overrun  
P1691 Coolant Gage Circuit Low Voltage  
P1692 Coolant Gage Circuit High Voltage  
P1693 Tachometer Circuit Low Voltage  
P1694 Tachometer Circuit High Voltage  
P1695 Remote Keyless Entry Circuit Low  
P1696 Remote Keyless Entry Voltage High  
P1700 Transmission Control Module (TCM) Requested MIL Illumination  
P1701 Trans. MIL Request Circuit  
P1705 P/N Signal Output Circuit  
P1719 Incorrect Shifting Detected (TCM)  
P1740 Torque Reduction Signal Circuit  
P1743 TP Signal from ECM  
P1760 TCM Supply Voltage Interrupted  
P1779 Engine Torque Delivered to TCM Signal  
P1780 Park/Neutral Position [PNP] Switch Circuit  
P1781 Engine Torque Signal Circuit  
P1790 Transmission Control Module Checksum  
P1791 Transmission Control Module Loop  
P1791 Throttle/Pedal Position Signal (2000+)  
P1792 Transmission Control Module Reprogrammable Memory  
P1792 ECM to TCM Engine Coolant Signal  
P1792 Transmission Control Module Stack Overrun  
P1793 Wheel Speed Signal (2000+)  
P1795 CAN Bus - Throttle Body Position  
P1800 TCM Power Relay Control Circuit  
P1801 Performance Selector Switch Failure  
P1804 Ground Control Relay  
P1810 TFP Valve Position Switch Circuit  
P1811 Maximum Adapt and Long Shift  
P1812 Transmission Over Temperature Condition  
P1813 Torque Control  
P1814 Torque Converter Overstressed  
P1815 Transmission Range Switch - Start In Wrong Range  
P1816 TFP Valve Position Sw. - Park/Neu. With Drive Ratio  
P1817 TFP Valve Position Sw. - Reverse With Drive Ratio  
P1818 TFP Valve Position Sw. - Drive Without Drive Ratio  
P1819 Internal Mode Switch - No Start\Wrong Range  
P1820 Internal Mode Switch Circuit A Low  
P1822 Internal Mode Switch Circuit B High  
P1823 Internal Mode Switch Circuit P Low  
P1825 Internal Mode Switch - Invalid Range  
P1826 Internal Mode Switch Circuit C - High  
P1831 Pressure Control (PC) Solenoid Power Circuit - Low Voltage  
P1832 Pressure Control (PC)/Shift Lock Solenoid Control Circuit High Voltage



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P1833 A/T Solenoids Power Circuit - Low Voltage  
P1834 Torque Converter Clutch (TCC)/Shift Solenoid (SS) Control Circuit High Voltage  
P1835 Kick-Down Switch Circuit  
P1836 Kick-Down Switch Failed Open  
P1837 Kick-Down Switch Failed Short  
P1842 1-2 Shift Solenoid Circuit Low Voltage  
P1843 1-2 Shift Solenoid Circuit High Voltage  
P1844 Torque Reduction Signal Circuit Desired By TCM  
P1845 2-3 Shift Solenoid Circuit Low Voltage  
P1847 2-3 Shift Solenoid Circuit High Voltage  
P1850 Brake Band Apply Solenoid Circuit  
P1851 Brake Band Apply Solenoid Performance  
P1852 Brake Band Apply Solenoid Low Voltage  
P1853 Brake Band Apply Solenoid High Voltage  
P1860 TCC PWM Solenoid Circuit Electrical  
P1864 Torque Converter Clutch Circuit  
P1865 4-5 Shift Solenoid (SS) Valve Control Circuit High Voltage  
P1866 Torque Converter Clutch (TCC) Pulse Width Modulation (PWM) Solenoid Control Circuit Low Voltage  
P1867 Torque Converter Clutch (TCC) Pulse Width Modulation (PWM) Solenoid Control Circuit High Voltage  
P1868 Transmission Fluid Life  
P1870 Transmission Component Slipping  
P1871 Undefined Gear Ratio  
P1873 TCC Stator Temp. Switch Circuit Low  
P1874 TCC Stator Temp. Switch Circuit High  
P1875 4WD Low Switch Circuit Electrical  
P1884 TCC Enable/Shift Light Circuit  
P1886 Shift Timing Solenoid  
P1887 TCC Release Switch Circuit  
P1890 ECM Data Input Circuit  
P1890 Throttle Position Signal Input  
P1891 Throttle Position Sensor PWM Signal Low  
P1892 Throttle Position Sensor PWM Signal High  
P1893 Engine Torque Signal Low Voltage  
P1894 Engine Torque Signal High Voltage  
P1895 TCM to ECM Torque Reduction Circuit  
P2008 Intake Manifold Runner Control (IMRC) Solenoid Control Circuit  
P2009 Intake Manifold Runner Control (IMRC) Solenoid Control Circuit Low Voltage  
P2010 Intake Manifold Runner Control (IMRC) Solenoid Control Circuit High Voltage  
P2066 Fuel Level Sensor 2 Performance  
P2067 Fuel Level Sensor 2 Circuit Low Voltage  
P2068 Fuel Level Sensor 2 Circuit High Voltage  
P2096 Post Catalyst Fuel Trim System Low Limit  
P2097 Post Catalyst Fuel Trim System High Limit  
P2098 Post Catalyst Fuel Trim System Low Limit  
P2099 Post Catalyst Fuel Trim System High Limit  
P2100 Throttle Actuator Control (TAC) Motor Control Circuit  
P2101 Control Module Throttle Actuator Position Performance  
P2105 Throttle Actuator Control (TAC) System - Forced Engine Shutdown  
P2107 Throttle Actuator Control (TAC) Module Internal Circuit



Autódiagnosztikai műszer OPEL típusokhoz

Kizárólagos hivatalos magyarországi forgalmazó:

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Ingyenesen letölthető javítási segédletek és oktató anyagok  
autószerelőknek



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P2108 Throttle Actuator Control (TAC) Module Performance  
P2119 Throttle Closed Position Performance  
P2120 Accelerator Pedal Position (APP) Sensor 1 Circuit  
P2121 Accelerator Pedal Position (APP) Sensor 1 Performance  
P2122 Accelerator Pedal Position (APP) Sensor 1 Circuit Low Voltage  
P2123 Accelerator Pedal Position (APP) Sensor 1 Circuit High Voltage  
P2125 Accelerator Pedal Position (APP) Sensor 2 Circuit  
P2127 Accelerator Pedal Position (APP) Sensor 2 Circuit Low Voltage  
P2128 Accelerator Pedal Position (APP) Sensor 2 Circuit High Voltage  
P2135 Throttle Position (TP) Sensor 1-2 Correlation  
P2138 Accelerator Pedal Position (APP) Sensor 1-2 Correlation  
P2176 Minimum Throttle Position Not Learned  
P2500 Generator L-Terminal Circuit Low Voltage  
P2501 Generator L-Terminal Circuit High Voltage  
P2535 Ignition 1 Switch Circuit High Voltage (PCM)  
P2610 ECU Malfunction  
P2763 Short to voltage in the TCC Solenoid  
P2764 Open or Short to ground in the TCC PWM solenoid valve circuit  
P2A00 HO2S Circuit Closed Loop (CL) Performance Bank 1 Sensor 1 (PCM)  
P2A01 HO2S Circuit Closed Loop (CL) Performance Bank 1 Sensor 2 (PCM)  
P3000 Hacking AWH Data



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