

**Hyundai - Specific Trouble Codes**

P1100 Map Sensor - Malfunction  
P1101 Map Sensor - Abnormal  
P1102 Map Sensor - Low Input  
P1103 Map Sensor - High Input  
P1104 Air Flow  
P1105 Air Flow - Abnormal  
P1106 Air Flow - Low Input  
P1107 Air Flow - High Input  
P1108 Fuel Pump  
P1109 Fuel Pump - Abnormal  
P1110 Fuel Pump - Stuck On  
P1110 ETS System - Malfunction  
P1111 Fuel Pump - Electrical  
P1112 Manifold Differential Pressure Sensor  
P1112 VGT Actuator - Malfunction  
P1113 Manifold Differential Pressure Sensor - Abnormal  
P1114 Manifold Differential Pressure Sensor - Low  
P1115 Coolant Temperature Input - Abnormal  
P1116 Boost Pressure Sensor - Malfunction  
P1118 ETS Motor - Malfunction  
P1119 Inlet Metering Valve Control  
P1120 Electric Governor - Malfunction  
P1120 Inlet Metering Valve Malfunction  
P1121 APS PWM Output Circuit Malfunction  
P1121 Throttle Position Input - Abnormal  
P1122 Boost Pressure Control Valve  
P1123 Fuel System Rich - Idle  
P1123 Timer Position Sensor - Malfunction  
P1124 Fuel System Lean - Idle  
P1125 Fuel Press Sensor1  
P1126 Fuel Press Sensor2  
P1127 Fuel System Rich - Part Load  
P1127 Control Sleeve Position Sensor  
P1128 Fuel System Lean - Part Load  
P1130 Start Solenoid- Malfunction  
P1131 Injection Quantity Adjust  
P1134 O2s Transition Time(B1/S1)  
P1135 Injection Timing Servo  
P1140 Inlet Air Temperature Sensor Malfunction  
P1141 Slow Duty Solenoid- Malfunction  
P1145 Main Duty Solenoid- Malfunction  
P1146 Idle Co Potentiometer  
P1147 Accelerator Position Sensor (ETS) Circuit  
P1150 Barometric Pressure Sensor Malfunction  
P1151 Accelerator Position Sensor (EMS) Circuit  
P1152 Accelerator Position Circuit-Low Input  
P1153 Accelerator Position Circuit-High Input  
P1154 O2s Transition Time(B2/S1)  
P1155 Limp Home Valve- Malfunction  
P1159 Variable Induction System  
P1162 High Pressure Pump & Fuel Line  
P1166 O2s (B1) Control Adaptation  
P1166 Limit O2s Lambda Control (B1)  
P1167 O2s (B2) Control Adaptation  
P1167 Limit O2s Lambda Control (B2)  
P1168 O2s (B1/S2) Heater Power  
P1169 O2s (B2/S2) Heater Power  
P1170 ECM (Barometric Pressure Sensor)

P1171 ETS Valve Stuck - Open  
P1172 ETS Improper Motor Current  
P1173 ETS Target Following Malfunction  
P1174 ETS Valve Stuck - Close #1  
P1175 ETS Valve Stuck - Close #2  
P1176 ETS Motor Open/Short #1  
P1177 ETS Motor Open/Short #2  
P1178 ETS Motor Power - Open  
P1179 ETS Position F/B-Mismatch  
P1180 O2 S1 Heater Circuit- Malfunction  
P1180 Fuel Pressure Regulator - Malfunction  
P1181 Fuel Pressure Monitoring  
P1182 O2 S2 Heater Circuit - Malfunction  
P1182 Fuel Pressure Regulator - Short  
P1183 Fuel Pressure Regulator - Open  
P1184 O2s No Activity (B1/S2)  
P1184 Fuel Pressure Regulator - Power  
P1185 Fuel Position - Excessive  
P1186 Fuel Pressure - Too Low  
P1187 Regulator Valve - Stuck  
P1188 Fuel Pressure - Leakage  
P1189 Governor Deviation  
P1190 Intake Throttle Actuator  
P1191 ETS Limp Home Valve On  
P1192 Limp home - Target Follow Malfunction  
P1193 ETS Limp Home - Low Rpm  
P1194 Limp Home - TPS2 Position Malfunction  
P1195 Limp Home - Target Follow Delay  
P1196 ETS Limp Home - Close Stuck  
P1300 Spark Timing Adjust Signal  
P1300 Injector Specific Data Fault  
P1300 Synchronization Error-CKP/CMP  
P1301 TDC Sensor - Abnormal  
P1302 TDC Sensor - Low Input  
P1303 TDC Sensor - High Input  
P1304 Phase Sensor  
P1305 Phase Sensor - Abnormal  
P1306 Phase Sensor - Low Input  
P1307 Phase Sensor - High Input  
P1307 Accelerator Sensor - Range/Performance  
P1307 Accelerator Sensor Range/Performance  
P1308 Ignition Coil.1  
P1308 Accelerator Sensor - Low  
P1308 Accelerator Sensor Circuit - Low  
P1309 Ignition Coil.1 - Abnormal  
P1309 Accelerator Sensor - High  
P1309 Accelerator Sensor Circuit - High  
P1310 Ignition Coil.1 - Low Output  
P1310 Injection Control Circuit Fault  
P1311 Ignition Coil.1 - High Output  
P1312 Ignition Coil.2  
P1313 Ignition Coil.2 - Abnormal  
P1314 Ignition Coil.2 - Low Output  
P1315 Ignition Coil.2 - High Output  
P1316 Ignition Coil.3  
P1317 Ignition Coil.3 - Abnormal  
P1318 Ignition Coil.3 - Low Output  
P1319 Ignition Coil.3 - High Output  
P1320 Ignition Coil.4

P1321 Ignition Coil.4 - Abnormal  
P1321 Glow Indicator Lamp - Short  
P1322 Ignition Coil.4 - Low Output  
P1322 Glow Indicator Lamp - Open  
P1323 Ignition Coil.4 - High Output  
P1324 Glow Relay - Malfunction  
P1325 Glow Relay - Abnormal  
P1325 Glow Relay  
P1326 Glow Relay - Stuck On  
P1326 Glow Relay - Short  
P1327 Glow Relay - Electrical  
P1327 Glow Relay - Open  
P1330 Spark Timing Adjust Signal  
P1331 #1 MF Signal Line Short  
P1332 #2 MF Signal Line Short  
P1333 #3 MF Signal Line Short  
P1334 #4 MF Signal Line Short  
P1335 #5 MF Signal Line Short  
P1336 #6 MF Signal Line Short  
P1337 #7 MF Signal Line Short  
P1338 #8 MF Signal Line Short  
P1340 IFS 2 Open  
P1341 #1 Ion Line Open  
P1342 #2 Ion Line Open  
P1343 #3 Ion Line Open  
P1344 #4 Ion Line Open  
P1345 #5 Ion Line Open  
P1346 #6 Ion Line Open  
P1347 #7 Ion Line Open  
P1348 #8 Ion Line Open  
P1351 #1 MF Signal Line Open  
P1352 #2 MF Signal Line Open  
P1353 #3 MF Signal Line Open  
P1354 #4 MF Signal Line Open  
P1355 #5 MF Signal Line Open  
P1356 #6 MF Signal Line Open  
P1357 #7 MF Signal Line Open  
P1358 #8 MF Signal Line Open  
P1372 Segment Time Incorrect  
P1400 Manifold Differential Pressure Sensor  
P1401 DMTL Performance  
P1402 DMTL Motor Circuit  
P1403 DMTL Valve Circuit  
P1404 DMTL Heater Circuit  
P1405 EGR Temperature Incorrect  
P1415 2nd Air Injection Insufficient (B1)  
P1416 Secondary Air Injection  
P1418 2nd Air Injection Insufficient (B2)  
P1419 2nd Air Injection Valve  
P1440 EVAP System-Vent Circuit  
P1440 Canister Valve Open/Short  
P1443 EVAP System - Tank Cap Missing  
P1458 A/C Switch Malfunction  
P1500 A/Con Switch  
P1500 Vehicle Speed Signal Malfunction  
P1500 Vehicle Speed Input - Abnormal  
P1501 Brake Switch  
P1502 Wheel Speed Sensor Circuit Malfunction  
P1503 Accelerator Switch

P1503 Auto Cruise Control Switch  
P1504 Inhibitor Switch  
P1504 Auto Cruise Cancel  
P1505 Kick-Down Servo Switch  
P1505 Idle Speed Actuator (Open) - Open  
P1505 Idle Speed Actuator (Open) - Open  
P1506 MPS  
P1506 Idle Speed Actuator (Open) - Short  
P1506 Idle Speed Actuator (Open) - Short  
P1507 MPS - Abnormal  
P1507 Idle Speed Actuator (Close) - Open  
P1507 Idle Speed Actuator (Close) - Open  
P1508 MPS - Low  
P1508 Idle Speed Actuator (Close) - Short  
P1508 Idle Speed Actuator (Close) - Short  
P1509 MPS - High  
P1510 Idle Speed Actuator (Open) - Short  
P1510 ISC Circuit Open/Short  
P1511 ISC Open/Short Coil2  
P1511 ISC Circuit Open/Short  
P1512 WTS - Low  
P1513 Idle Speed Actuator (Open) - Open  
P1514 Oil Temperature Sensor  
P1515 Oil Temperature Sensor - Abnormal  
P1515 ISA Coil1 Command Sig. Malfunction  
P1516 Oil Temperature Sensor - Low  
P1516 ISA Coil2 Command Sig. Malfunction  
P1517 Oil Temperature Sensor - High  
P1520 Generator Front Terminal Malfunction  
P1521 Power Steering Switch Circuit  
P1522 Battery  
P1522 Sensor Supply 1 Volt - Low  
P1523 Sensor Supply 1 Volt - High  
P1524 Sensor Supply 2 Volt - Low  
P1525 5v Source Voltage  
P1525 Sensor Supply 2 Volt - High  
P1526 Sensor Supply Voltage1 - Malfunction  
P1527 Sensor Supply Voltage2 - Malfunction  
P1529 TCM Mil On Request Signal  
P1529 Check TCM  
P1530 Maximum Vehicle Speed Limiting  
P1543 Brake Switch Signal Fault  
P1545 A/C Comp. Switch Open/Short  
P1552 Idle Speed Act.(Close) - Short  
P1553 Idle Speed Act.(Close) - Open  
P1555 Idle Co-Potentiometer Open/Short  
P1567 Fuel Pressure Valve Current - Low  
P1568 Fuel Pressure Valve Current - Hi  
P1569 Current-Pressure Control Valve  
P1569 Press Control Valve - Current  
P1586 MT/AT Encoding Sig. Error  
P1600 Serial Communication - Malfunction (With4A/T)  
P1601 ECM 'L' Line  
P1602 ECU-TCU Communication Line #1 Malfunction  
P1603 ECU-TCU Communication Line #2 Malfunction  
P1603 ECM-TCSCM Communication Line  
P1603 TCU Error  
P1603 CAN Communication Bus Off  
P1604 TPS Communication Malfunction

P1604 No ID From ECU  
P1605 Rough Road Sensor Malfunction  
P1605 Acceleration Sensor - Malfunction  
P1606 Rough Road Sensor Not Ration  
P1606 Acceleration Sensor - Abnormal  
P1607 Vacuum Sol. Valve Stuck On  
P1607 ECM-ETS Communication Line - Malfunction  
P1607 ECM-ETS Communication Line - Malfunction  
P1608 Vacuum Solenoid Valve Electrical  
P1608 ECU Fault  
P1608 ETS-ECM Communication Line - Malfunction  
P1609 Immobilizer Communication - Malfunction  
P1610 Immobilizer - Smartra Error  
P1610 Sensor Reference Voltage Fault  
P1611 Mil Request Signal Low  
P1611 Immobilizer - Transponder Malfunction  
P1612 Ventilation Solenoid Valve Elec.  
P1612 Immobilizer - Smartra Malfunction  
P1613 ECM-Failure  
P1613 Immobilizer Communication Error  
P1613 Mil Request Line - High  
P1613 ECM-Malfunction  
P1613 ECM (Voltage Regulator) - Malfunction  
P1614 Mil Request Signal High  
P1614 ECU Software Fault  
P1614 ETS ECU - Malfunction  
P1614 ETS ECU - Malfunction  
P1615 ETS - ECM Malfunction  
P1616 Main Relay Malfunction  
P1619 Main Relay  
P1620 A/C Relay Malfunction  
P1620 A/C Comp. Relay - Short  
P1621 Fuel Cut Valve - Malfunction  
P1621 A/C Comp. Relay - Open  
P1622 A/C Control Circuit Failure  
P1622 A/C Relay - Malfunction  
P1622 A/C Comp. Relay - Malfunction  
P1623 Mil Open/Short  
P1623 Engine Check Lamp - Malfunction  
P1623 Radiator Cooling Fan - Malfunction  
P1624 Mil-On Request From TCM  
P1624 Cooling Fan Relay (Low) Cir  
P1624 Radiator Cooling Fan - Malfunction  
P1624 Cooling Fan Relay - Low  
P1625 A/C Condenser Fan - Malfunction  
P1625 Cooling Fan Relay (High) Circuit  
P1625 Cooling Fan Relay - High  
P1626 Immobilizer Indicator Malfunction  
P1627 A/C Condenser Fan  
P1628 Condenser Fan Circuit - Low  
P1629 Glow Indicator Lamp - Malfunction  
P1629 Condenser Fan Circuit - High  
P1630 CAN-Bus-Off  
P1630 Intercooler Fan - Malfunction  
P1631 Serial Communication Error - Password  
P1631 CAN-Time Out ECU  
P1632 TCS System Malfunction  
P1632 CAN Bus Off  
P1633 Immobilizer Status Lamp

P1634 Cruise Control Lamp - Malfunction  
P1634 Auxiliary Heat Relay - Short/Open  
P1635 Water Heater Relay - Malfunction  
P1636 Voltage Regulator For Inject.  
P1638 ECM (Microcontroller) - Malfunction  
P1639 ECM (Monitoring ADC) - Malfunction  
P1640 VI Motor Open/Short Coil1  
P1640 Main Relay Malfunction  
P1641 VI Motor Open/Short Coil2  
P1642 Non Immobilizer ECU Equipped  
P1645 Booster Voltage - Operate Injector  
P1646 Booster Voltage - Too High  
P1647 Threshold 1 Voltage - Malfunction  
P1647 Booster Voltage - Too Low  
P1652 Ignition Switch - Malfunction  
P1653 After-Run Check Error  
P1660 Cruise Control Switch - Malfunction  
P1665 Power Stage Group A Malfunction.  
P1670 Power Stage Group B Malfunction  
P1670 Injector Classification  
P1672 Fan Relay Malfunction - Low Speed  
P1673 Fan Relay Malfunction - High Speed  
P1674 A/C Fan Relay Malfunction  
P1690 Immobilizer Smartra Error  
P1690 W/Heater Relay Fault  
P1691 Immobilizer Antenna Error  
P1692 Immobilizer - Indicator Lamp Error  
P1693 Mil Request Line - Malfunction  
P1693 Immobilizer Transponder  
P1694 Immobilizer ECU Signal Error  
P1695 Immobilizer EEPROM Error  
P1696 Immobilizer - Key Mismatched  
P1697 Invalid Tester Request  
P1698 Key ID. Not Valid  
P1700 A/T Gear Shift Malfunction  
P1701 TPS  
P1702 TPS - Abnormal  
P1702 TPS - Malfunction Adjustment  
P1702 TPS - Malfunction Adjustment  
P1703 TPS - Low Input  
P1703 TPS - Open/Short (Ground)  
P1703 TPS - Open/Short (Ground)  
P1704 TPS - High Input  
P1704 TPS - Short  
P1704 TPS - Short  
P1706 Inhibitor Switch  
P1707 Brake Switch  
P1707 Auto Cruise Brake Switch  
P1708 Accelerator Switch  
P1709 Kick-Down Servo Switch  
P1709 K/D Servo Switch - Open/Short  
P1710 Oil Temperature Sensor  
P1711 Oil Temperature Sensor Abnormal  
P1712 Oil Temperature Sensor Low Input  
P1713 Oil Temperature Sensor High Input  
P1714 Idle Switch  
P1715 A/C on Switch  
P1716 Steering Sensor  
P1717 Steering Sensor Abnormal

P1717 Steer 1 Input Signal  
P1718 Steering Sensor Low Input  
P1718 Steer 2 Input Signal  
P1719 Steering Sensor High Input  
P1719 Steer N Input Signal  
P1721 Control Relay  
P1722 Control Relay - Abnormal  
P1723 Control Relay - Stuck On  
P1723 A/T Relay - Open/Short (Ground)  
P1723 A/T Relay - Open/Short (Ground)  
P1724 Control Relay - Electrical  
P1725 TOD Control Module Error  
P1726 TPS Input - Loss Of Signal  
P1727 TPS Input - Out Of Range  
P1728 EMC-Open/Short To Battery  
P1729 EMC-Short To Ground  
P1730 Front Speed Sensor - Low Input  
P1731 Front Speed Sensor - High  
P1732 Rear Speed Sensor - Low Input  
P1733 Rear Speed Sensor - High Input  
P1734 Speed Sensor Reference - Low  
P1735 Speed Sensor Reference - High  
P1736 Shift Motor - Open  
P1737 ECV Stick  
P1737 Shift Motor - Short To Ground  
P1738 Shift System Time Out  
P1739 General Position Encoder Fault  
P1740 Position1 - Short To Ground  
P1741 Position2 - Short To Ground  
P1742 Position3 - Short To Ground  
P1743 Position4 - Short To Ground  
P1744 Lock Up Clutch System  
P1744 Anomalous Vibration Occurrence  
P1745 TCM 'K' Line  
P1746 TCM 'L' Line  
P1747 TCU-ECU Communication Line #1 Malfunction  
P1748 TCU-ECU Communication Line2 Malfunction  
P1749 Serial Communication Link  
P1749 Serial Communication Link-Open/Short  
P1749 Serial Communication Link-Open/Short  
P1750 TPS Communication Malfunction  
P1750 Front Left Speed Sensor  
P1751 Not Defined DTC  
P1751 Front Right Speed Sensor  
P1752 Lamp 'P'  
P1752 Rear Left Speed Sensor  
P1753 Lamp 'R'  
P1753 Rear Right Speed Sensor  
P1754 Lamp 'N'  
P1755 Lamp 'D'  
P1756 Lamp '3'  
P1757 Lamp '2'  
P1758 Lamp 'L'  
P1759 Control Module - Check Sum  
P1760 Control Module - Programming  
P1761 Control Module - KAM  
P1762 Control Module - RAM  
P1763 Control Module - ROM  
P1764 Can Controller - Malfunction

P1764 ECU-ITM CAN Communication Line  
P1765 Torque Reduction Request  
P1765 Torque Reduction Request  
P1765 TCS-ITM CAN Communication Line  
P1766 Torque Reduction Execution  
P1766 Torque Reduction Execution  
P1771 Shifting Position  
P1772 Selection Position  
P1773 Gearbox Input Speed Sensor  
P1774 CRC Sensor  
P1775 TCM-Malfunction  
P1776 Power Control Module- Malfunction  
P1777 PCM Output - Malfunction  
P1778 Electro Valve Output - Malfunction  
P1779 Stator Inhibit Relay - Malfunction  
P1780 Push-Pull Sensor  
P1780 Torque Reduction Required Signal  
P1781 Actuator  
P1782 Actuator Position Sensor  
P1786 Engine Rpm Output Circuit Malfunction  
P1791 TPS Input Circuit - Malfunction  
P1795 Ground Return Circuit - Malfunction  
P1795 Transfer High/Low Switch - Malfunction  
P1800 Immobilizer Antenna Error  
P1801 Immobilizer Transponder Error  
P1802 Immobilizer Antenna Error  
P1803 Immobilizer ECU Signal Error  
P1805 Immobilizer EEPROM Error  
P1805 EEPROM Error/VIN Mismatch  
P2096 Post Fuel Trim Too Lean-B1  
P2097 Post Fuel Trim Too Rich-B1  
P2120 Accelerator Position Circuit - Malfunction  
P2122 Accelerator Position Circuit - Low Input  
P2123 Accelerator Position Circuit - High Input  
P2125 Accelerator Position Circuit - Malfunction  
P2127 Accelerator Position Circuit - Low Input  
P2128 Accelerator Position Circuit - High Input  
P2187 Fuel System Too Lean At Idle  
P2188 Fuel Sys Too Rich At Idle  
P2191 Fuel Sys Too Lean At P-load  
P2192 Fuel Sys Too Rich At P-load  
P2195 L.O2s Signal Stuck - Lean (B1/S1)  
P2196 L.O2s Signal Stuck - Rich (B1/S1)  
P2231 O2s Signal & Heater - Short (B1/S1)  
P2237 L.O2s Pump. Circuit - Open (B1/S1)  
P2238 L.O2s Pump. Circuit - Low (B1/S1)  
P2239 L.O2s Pump. Circuit - High (B1/S1)  
P2243 L.O2s Reference Circuit (+) Open - (B1/S1)  
P2251 L.O2s Reference Circuit (-) Open - (B1/S1)  
P2297 L.O2s Out Of Range (B1/S1)  
P2414 L.O2s Exhaust Sample (B1/S1)  
P2626 L.O2s Pump Trim - Open (B1/S1)