

# TECHNET HYUNDAI

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## ***TIMES***

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# Diagnostic Trouble Codes

***NEW 8th EDITION***



This special issue of TechNet Times features a listing of general Diagnostic Trouble Codes and their explanation. Included in the back of the magazine is a special Hyundai Diagnostic Trouble Code section. Keep this issue on hand for a handy DTC reference guide. Don't forget to visit [www.hyundaitechinfo.com](http://www.hyundaitechinfo.com) for further Hyundai service information.

## OBD-II Trouble Code Table

- The following list covers all SAE defined standard P zero codes allocated at the time of publication.
- All OBD-II codes starting with P zero have standard meanings irrespective of vehicle make or model.
- Hyundai specific codes match shop manuals and Hyundai GDS at time of publication.

Trouble code	Fault location
P0001	Fuel Volume Regulator Control Circuit/Open
P0002	Fuel Volume Regulator Control Circuit Range/Performance
P0003	Fuel Volume Regulator Control Circuit Low
P0004	Fuel Volume Regulator Control Circuit High
P0005	Fuel Shutoff Valve "A" Control Circuit/Open
P0006	Fuel Shutoff Valve "A" Control Circuit Low
P0007	Fuel Shutoff Valve "A" Control Circuit High
P0008	Engine Position System Performance Bank 1
P0009	Engine Position System Performance Bank 2
P0010	A Camshaft Position Actuator Circuit Bank 1
P0011	A Camshaft Position - Timing Over-Advanced or System Performance Bank 1
P0012	A Camshaft Position - Timing Over-Retarded Bank 1
P0013	B Camshaft Position - Actuator Circuit Bank 1
P0014	B Camshaft Position - Timing Over-Advanced or System Performance Bank 1
P0015	B Camshaft Position - Timing Over-Retarded Bank 1
P0016	Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor A
P0017	Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor B
P0018	Crankshaft Position - Camshaft Position Correlation Bank 2 Sensor A
P0019	Crankshaft Position - Camshaft Position Correlation Bank 2 Sensor B
P0020	A Camshaft Position Actuator Circuit Bank 2
P0021	A Camshaft Position - Timing Over-Advanced or System Performance Bank 2
P0022	A Camshaft Position - Timing Over-Retarded Bank 2
P0023	B Camshaft Position - Actuator Circuit Bank 2
P0024	B Camshaft Position - Timing Over-Advanced or System Performance Bank 2

Trouble code	Fault location
P0025	B Camshaft Position - Timing Over-Retarded Bank 2
P0026	Intake Valve Control Solenoid Circuit Range/Performance Bank 1
P0027	Exhaust Valve Control Solenoid Circuit Range/Performance Bank 1
P0028	Intake Valve Control Solenoid Circuit Range/Performance Bank 2
P0029	Exhaust Valve Control Solenoid Circuit Range/Performance Bank 2
P0030	H02S Heater Control Circuit Bank 1 Sensor 1
P0031	H02S Heater Control Circuit Low Bank 1 Sensor 1
P0032	H02S Heater Control Circuit High Bank 1 Sensor 1
P0033	Turbo Charger Bypass Valve Control Circuit
P0034	Turbo Charger Bypass Valve Control Circuit Low
P0035	Turbo Charger Bypass Valve Control Circuit High
P0036	H02S Heater Control Circuit Bank 1 Sensor 2
P0037	H02S Heater Control Circuit Low Bank 1 Sensor 2
P0038	H02S Heater Control Circuit High Bank 1 Sensor 2
P0039	Turbo/Super Charger Bypass Valve Control Circuit Range/Performance
P0040	O2 Sensor Signals Swapped Bank 1 Sensor 1/ Bank 2 Sensor 1
P0041	O2 Sensor Signals Swapped Bank 1 Sensor 2/ Bank 2 Sensor 2
P0042	H02S Heater Control Circuit Bank 1 Sensor 3
P0043	H02S Heater Control Circuit Low Bank 1 Sensor 3
P0044	H02S Heater Control Circuit High Bank 1 Sensor 3
P0045	Turbo/Super Charger Boost Control Solenoid Circuit/Open
P0046	Turbo/Super Charger Boost Control Solenoid Circuit Range/Performance
P0047	Turbo/Super Charger Boost Control Solenoid Circuit Low
P0048	Turbo/Super Charger Boost Control Solenoid Circuit High

Trouble code	Fault location
P0049	Turbo/Super Charger Turbine Overspeed
P0050	H02S Heater Control Circuit Bank 2 Sensor 1
P0051	H02S Heater Control Circuit Low Bank 2 Sensor 1
P0052	H02S Heater Control Circuit High Bank 2 Sensor 1
P0053	H02S Heater Resistance Bank 1 Sensor 1
P0054	H02S Heater Resistance Bank 1 Sensor 2
P0055	H02S Heater Resistance Bank 1 Sensor 3
P0056	H02S Heater Control Circuit Bank 2 Sensor 2
P0057	H02S Heater Control Circuit Low Bank 2 Sensor 2
P0058	H02S Heater Control Circuit High Bank 2 Sensor 2
P0059	H02S Heater Resistance Bank 2 Sensor 1
P0060	H02S Heater Resistance Bank 2 Sensor 2
P0061	H02S Heater Resistance Bank 2 Sensor 3
P0062	H02S Heater Control Circuit Bank 2 Sensor 3
P0063	H02S Heater Control Circuit Low Bank 2 Sensor 3
P0064	H02S Heater Control Circuit High Bank 2 Sensor 3
P0065	Air Assisted Injector Control Range/Performance
P0066	Air Assisted Injector Control Circuit or Circuit Low
P0067	Air Assisted Injector Control Circuit High
P0068	MAP/MAF - Throttle Position Correlation
P0069	Manifold Absolute Pressure - Barometric Pressure Correlation
P0070	Ambient Air Temperature Sensor Circuit
P0071	Ambient Air Temperature Sensor Range/Performance
P0072	Ambient Air Temperature Sensor Circuit Low
P0073	Ambient Air Temperature Sensor Circuit High
P0074	Ambient Air Temperature Sensor Circuit Intermittent
P0075	Intake Valve Control Solenoid Circuit Bank 1
P0076	Intake Valve Control Solenoid Circuit Low Bank 1
P0077	Intake Valve Control Solenoid Circuit High Bank 1

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0078</b>	Exhaust Valve Control Solenoid Circuit Bank 1
<b>P0079</b>	Exhaust Valve Control Solenoid Circuit Low Bank 1
<b>P0080</b>	Exhaust Valve Control Solenoid Circuit High Bank 1
<b>P0081</b>	Intake Valve Control Solenoid Circuit Bank 2
<b>P0082</b>	Intake Valve Control Solenoid Circuit Low Bank 2
<b>P0083</b>	Intake Valve Control Solenoid Circuit High Bank 2
<b>P0084</b>	Exhaust Valve Control Solenoid Circuit Bank 2
<b>P0085</b>	Exhaust Valve Control Solenoid Circuit Low Bank 2
<b>P0086</b>	Exhaust Valve Control Solenoid Circuit High Bank 2
<b>P0087</b>	Fuel Rail/System Pressure - Too Low
<b>P0088</b>	Fuel Rail/System Pressure - Too High
<b>P0089</b>	Fuel Pressure Regulator 1 Performance
<b>P0090</b>	Fuel Pressure Regulator 1 Control Circuit
<b>P0091</b>	Fuel Pressure Regulator 1 Control Circuit Low
<b>P0092</b>	Fuel Pressure Regulator 1 Control Circuit High
<b>P0093</b>	Fuel System Leak Detected - Large Leak
<b>P0094</b>	Fuel System Leak Detected - Small Leak
<b>P0095</b>	Intake Air Temperature Sensor 2 Circuit
<b>P0096</b>	Intake Air Temperature Sensor 2 Circuit Range/Performance
<b>P0097</b>	Intake Air Temperature Sensor 2 Circuit Low
<b>P0098</b>	Intake Air Temperature Sensor 2 Circuit High
<b>P0099</b>	Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic
<b>P0100</b>	Mass or Volume Air Flow Circuit
<b>P0101</b>	Mass or Volume Air Flow Circuit Range/Performance
<b>P0102</b>	Mass or Volume Air Flow Circuit Low Input
<b>P0103</b>	Mass or Volume Air Flow Circuit High Input
<b>P0104</b>	Mass or Volume Air Flow Circuit Intermittent
<b>P0105</b>	Manifold Absolute Pressure/Barometric Pressure Circuit
<b>P0106</b>	Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance
<b>P0107</b>	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input
<b>P0108</b>	Manifold Absolute Pressure/Barometric Pressure Circuit High Input
<b>P0109</b>	Manifold Absolute Pressure/Barometric Pressure Circuit Intermittent
<b>P0110</b>	Intake Air Temperature Sensor 1 Circuit
<b>P0111</b>	Intake Air Temperature Sensor 1 Circuit Range/Performance
<b>P0112</b>	Intake Air Temperature Sensor 1 Circuit Low

Trouble code	Fault location
<b>P0113</b>	Intake Air Temperature Sensor 1 Circuit High
<b>P0114</b>	Intake Air Temperature Sensor 1 Circuit Intermittent
<b>P0115</b>	Engine Coolant Temperature Circuit
<b>P0116</b>	Engine Coolant Temperature Circuit Range/Performance
<b>P0117</b>	Engine Coolant Temperature Circuit Low
<b>P0118</b>	Engine Coolant Temperature Circuit High
<b>P0119</b>	Engine Coolant Temperature Circuit Intermittent
<b>P0120</b>	Throttle/Pedal Position Sensor/Switch "A" Circuit
<b>P0121</b>	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance
<b>P0122</b>	Throttle/Pedal Position Sensor/Switch "A" Circuit Low
<b>P0123</b>	Throttle/Pedal Position Sensor/Switch "A" Circuit High
<b>P0124</b>	Throttle/Pedal Position Sensor/Switch "A" Circuit Intermittent
<b>P0125</b>	Insufficient Coolant Temperature for Closed Loop Fuel Control
<b>P0126</b>	Insufficient Coolant Temperature for Stable Operation
<b>P0127</b>	Intake Air Temperature Too High
<b>P0128</b>	Coolant Thermostat
<b>P0129</b>	Barometric Pressure Too Low
<b>P0130</b>	O2 Sensor Circuit Bank 1 Sensor 1
<b>P0131</b>	O2 Sensor Circuit Low Voltage Bank 1 Sensor 1
<b>P0132</b>	O2 Sensor Circuit High Voltage Bank 1 Sensor 1
<b>P0133</b>	O2 Sensor Circuit Slow Response Bank 1 Sensor 1
<b>P0134</b>	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 1
<b>P0135</b>	O2 Sensor Heater Circuit Bank 1 Sensor 1
<b>P0136</b>	O2 Sensor Circuit Bank 1 Sensor 2
<b>P0137</b>	O2 Sensor Circuit Low Voltage Bank 1 Sensor 2
<b>P0138</b>	O2 Sensor Circuit High Voltage Bank 1 Sensor 2
<b>P0139</b>	O2 Sensor Circuit Slow Response Bank 1 Sensor 2
<b>P0140</b>	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 2
<b>P0141</b>	O2 Sensor Heater Circuit Bank 1 Sensor 2
<b>P0142</b>	O2 Sensor Circuit Bank 1 Sensor 3
<b>P0143</b>	O2 Sensor Circuit Low Voltage Bank 1 Sensor 3
<b>P0144</b>	O2 Sensor Circuit High Voltage Bank 1 Sensor 3
<b>P0145</b>	O2 Sensor Circuit Slow Response Bank 1 Sensor 3
<b>P0146</b>	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 3
<b>P0147</b>	O2 Sensor Heater Circuit Bank 1 Sensor 3
<b>P0148</b>	Fuel Delivery Error
<b>P0149</b>	Fuel Timing Error
<b>P0150</b>	O2 Sensor Circuit Bank 2 Sensor 1

Trouble code	Fault location
<b>P0151</b>	O2 Sensor Circuit Low Voltage Bank 2 Sensor 1
<b>P0152</b>	O2 Sensor Circuit High Voltage Bank 2 Sensor 1
<b>P0153</b>	O2 Sensor Circuit Slow Response Bank 2 Sensor 1
<b>P0154</b>	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 1
<b>P0155</b>	O2 Sensor Heater Circuit Bank 2 Sensor 1
<b>P0156</b>	O2 Sensor Circuit Bank 2 Sensor 2
<b>P0157</b>	O2 Sensor Circuit Low Voltage Bank 2 Sensor 2
<b>P0158</b>	O2 Sensor Circuit High Voltage Bank 2 Sensor 2
<b>P0159</b>	O2 Sensor Circuit Slow Response Bank 2 Sensor 2
<b>P0160</b>	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 2
<b>P0161</b>	O2 Sensor Heater Circuit Bank 2 Sensor 2
<b>P0162</b>	O2 Sensor Circuit Bank 2 Sensor 3
<b>P0163</b>	O2 Sensor Circuit Low Voltage Bank 2 Sensor 3
<b>P0164</b>	O2 Sensor Circuit High Voltage Bank 2 Sensor 3
<b>P0165</b>	O2 Sensor Circuit Slow Response Bank 2 Sensor 3
<b>P0166</b>	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 3
<b>P0167</b>	O2 Sensor Heater Circuit Bank 2 Sensor 3
<b>P0168</b>	Fuel Temperature Too High
<b>P0169</b>	Incorrect Fuel Composition
<b>P0170</b>	Fuel Trim Bank 1
<b>P0171</b>	System too Lean (Bank 1)
<b>P0172</b>	System too Rich (Bank 1)
<b>P0173</b>	Fuel Trim Bank 2
<b>P0174</b>	System too Lean (Bank 2)
<b>P0175</b>	System too Rich (Bank 2)
<b>P0176</b>	Fuel Composition Sensor Circuit
<b>P0177</b>	Fuel Composition Sensor Circuit Range/Performance
<b>P0178</b>	Fuel Composition Sensor Circuit Low
<b>P0179</b>	Fuel Composition Sensor Circuit High
<b>P0180</b>	Fuel Temperature Sensor A Circuit
<b>P0181</b>	Fuel Temperature Sensor A Circuit Range/Performance
<b>P0182</b>	Fuel Temperature Sensor A Circuit Low
<b>P0183</b>	Fuel Temperature Sensor A Circuit High
<b>P0184</b>	Fuel Temperature Sensor A Circuit Intermittent
<b>P0185</b>	Fuel Temperature Sensor B Circuit
<b>P0186</b>	Fuel Temperature Sensor B Circuit Range/Performance
<b>P0187</b>	Fuel Temperature Sensor B Circuit Low
<b>P0188</b>	Fuel Temperature Sensor B Circuit High



# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0189</b>	Fuel Temperature Sensor B Circuit Intermittent
<b>P0190</b>	Fuel Rail Pressure Sensor Circuit
<b>P0190</b>	Fuel Rail Pressure Sensor (RPS)-Malfunction
<b>P0191</b>	Fuel Rail Pressure Sensor Circuit Range/Performance
<b>P0192</b>	Fuel Rail Pressure Sensor Circuit Low Input
<b>P0193</b>	Fuel Rail Pressure Sensor Circuit High Input
<b>P0194</b>	Fuel Rail Pressure Sensor Circuit Intermittent
<b>P0195</b>	Engine Oil Temperature Sensor
<b>P0196</b>	Engine Oil Temperature Sensor Range/Performance
<b>P0197</b>	Engine Oil Temperature Sensor Low Input
<b>P0198</b>	Engine Oil Temperature Sensor High Input
<b>P0199</b>	Engine Oil Temperature Sensor Intermittent
<b>P0200</b>	Injector Circuit/Open
<b>P0201</b>	Injector Circuit/Open-Cylinder 1
<b>P0202</b>	Injector Circuit/Open-Cylinder 2
<b>P0203</b>	Injector Circuit/Open-Cylinder 3
<b>P0204</b>	Injector Circuit/Open-Cylinder 4
<b>P0205</b>	Injector Circuit/Open-Cylinder 5
<b>P0206</b>	Injector Circuit/Open-Cylinder 6
<b>P0207</b>	Injector Circuit/Open-Cylinder 7
<b>P0208</b>	Injector Circuit/Open-Cylinder 8
<b>P0213</b>	Cold Start Injector 1
<b>P0214</b>	Cold Start Injector 2
<b>P0215</b>	Engine Shutoff Solenoid
<b>P0216</b>	Injector/Injection Timing Control Circuit
<b>P0217</b>	Engine Coolant Over Temperature Condition
<b>P0218</b>	Transmission Fluid Over Temperature Condition
<b>P0219</b>	Engine Overspeed Condition
<b>P0220</b>	Throttle/Pedal Position Sensor/Switch "B" Circuit
<b>P0220</b>	Throttle Position Sensor 2 Signal Circuit
<b>P0221</b>	Throttle/Pedal Position Sensor/Switch "B" Circuit Range/Performance
<b>P0221</b>	Throttle Position Sensor 2 Signal Circuit Range/Performance
<b>P0222</b>	Throttle/Pedal Position Sensor/Switch "B" Circuit Low
<b>P0222</b>	Throttle Position Sensor 2 Signal Circuit Low Input
<b>P0223</b>	Throttle/Pedal Position Sensor/Switch "B" Circuit High
<b>P0223</b>	Throttle Position Sensor 2 Signal Circuit High Input
<b>P0224</b>	Throttle/Pedal Position Sensor/Switch "B" Circuit Intermittent
<b>P0224</b>	Accelerator Position Sensor 1 Circuit-Input

Trouble code	Fault location
<b>P0225</b>	Throttle/Pedal Position Sensor/Switch "C" Circuit
<b>P0225</b>	Accelerator Pedal Position Sensor Circuit (ETS)
<b>P0225</b>	Throttle Position Sensor 3 Signal Circuit
<b>P0225</b>	Accelerator Pedal Position Sensor Circuit
<b>P0226</b>	Throttle/Pedal Position Sensor/Switch "C" Circuit Range/Performance
<b>P0226</b>	Accelerator Pedal Position Sensor Malfunction
<b>P0226</b>	Throttle Position Sensor 3 Signal Circuit Range/Performance
<b>P0227</b>	Throttle/Pedal Position Sensor/Switch "C" Circuit Low
<b>P0227</b>	Accelerator Pedal Position Sensor Circuit Low Input
<b>P0227</b>	Throttle Position Sensor 3 Signal Circuit Low Input
<b>P0228</b>	Throttle/Pedal Position Sensor/Switch "C" Circuit High
<b>P0228</b>	Accelerator Pedal Position Sensor (APS) Circuit-High Input (ETS)
<b>P0228</b>	Throttle Position Sensor 3 Signal Circuit High Input
<b>P0228</b>	Accelerator Pedal Position Sensor Circuit High Input
<b>P0229</b>	Throttle/Pedal Position Sensor/Switch "C" Circuit Intermittent
<b>P0230</b>	Fuel Pump Primary Circuit
<b>P0231</b>	Fuel Pump Secondary Circuit Low
<b>P0231</b>	Fuel Pump Circuit-Low Input
<b>P0231</b>	Fuel Pump Secondary Circuit Low
<b>P0232</b>	Fuel Pump Secondary Circuit High
<b>P0232</b>	Fuel Pump Circuit-High Input
<b>P0233</b>	Fuel Pump Secondary Circuit Intermittent
<b>P0234</b>	Turbocharger/Supercharger Overboost Condition
<b>P0235</b>	Turbo/Super Charger Boost Sensor "A" Circuit
<b>P0236</b>	Turbocharger/SuperCharger Boost Sensor "A" Circuit Range/Perform
<b>P0237</b>	Turbocharger/Supercharger Boost Sensor "A" Circuit Low
<b>P0238</b>	Turbocharger/Supercharger Boost Sensor "A" Circuit High
<b>P0239</b>	Turbo/Super Charger Boost Sensor "B" Circuit
<b>P0240</b>	Turbo/Super Charger Boost Sensor "B" Circuit Range/Performance
<b>P0241</b>	Turbo/Super Charger Boost Sensor "B" Circuit Low
<b>P0242</b>	Turbo/Super Charger Boost Sensor "B" Circuit High
<b>P0243</b>	Turbocharger/Supercharger Wastegate Solenoid "A"
<b>P0244</b>	Turbocharger/Supercharger Wastegate Sol. "A" Range/Performance
<b>P0245</b>	Turbocharger/Supercharger Wastegate Sol. "A" Low
<b>P0246</b>	Turbocharger/Supercharger Wastegate Sol. "A" High

Trouble code	Fault location
<b>P0247</b>	Turbo/Super Charger Wastegate Solenoid "B"
<b>P0248</b>	Turbo/Super Charger Wastegate Solenoid "B" Range/Performance
<b>P0249</b>	Turbo/Super Charger Wastegate Solenoid "B" Low
<b>P0250</b>	Turbo/Super Charger Wastegate Solenoid "B" High
<b>P0251</b>	Injection Pump Fuel Metering Control "A" (Cam/Rotor/Injector)
<b>P0251</b>	Fuel Pump PWM Malfunction
<b>P0252</b>	Injection Pump Fuel Metering Control "A" Range/Performance (Cam/Rotor/Injector)
<b>P0253</b>	Injection Pump Fuel Metering Control "A" Low (Cam/Rotor/Injector)
<b>P0254</b>	Injection Pump Fuel Metering Control "A" High (Cam/Rotor/Injector)
<b>P0255</b>	Injection Pump Fuel Metering Control "A" Intermittent (Cam/Rotor/Injector)
<b>P0256</b>	Injection Pump Fuel Metering Control "B" (Cam/Rotor/Injector)
<b>P0257</b>	Injection Pump Fuel Metering Control "B" Range/Performance (Cam/Rotor/Injector)
<b>P0258</b>	Injection Pump Fuel Metering Control "B" Low (Cam/Rotor/Injector)
<b>P0259</b>	Injection Pump Fuel Metering Control "B" High (Cam/Rotor/Injector)
<b>P0260</b>	Injection Pump Fuel Metering Control "B" Intermittent (Cam/Rotor/Injector)
<b>P0261</b>	Cylinder 1 Injector Circuit Low
<b>P0262</b>	Cylinder 1 Injector Circuit High
<b>P0263</b>	Cylinder 1 Contribution/Balance
<b>P0263</b>	Cylinder 1-Injector Circuit Balance (Load Drop is Detected)
<b>P0264</b>	Cylinder 2 Injector Circuit Low
<b>P0265</b>	Cylinder 2 Injector Circuit High
<b>P0266</b>	Cylinder 2 Contribution/Balance
<b>P0266</b>	Cylinder 2-Injector Circuit Balance (Load Drop is Detected)
<b>P0267</b>	Cylinder 3 Injector Circuit Low
<b>P0268</b>	Cylinder 3 Injector Circuit High
<b>P0269</b>	Cylinder 3 Contribution/Balance
<b>P0269</b>	Cylinder 3-Injector Circuit Balance (Load Drop is Detected)
<b>P0270</b>	Cylinder 4 Injector Circuit Low
<b>P0271</b>	Cylinder 4 Injector Circuit High
<b>P0272</b>	Cylinder 4 Contribution/Balance
<b>P0272</b>	Cylinder 4-Injector Circuit Balance (Load Drop is Detected)

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0273</b>	Cylinder 5 Injector Circuit Low
<b>P0274</b>	Cylinder 5 Injector Circuit High
<b>P0275</b>	Cylinder 5 Contribution/Balance
<b>P0276</b>	Cylinder 6 Injector Circuit Low
<b>P0277</b>	Cylinder 6 Injector Circuit High
<b>P0278</b>	Cylinder 6 Contribution/Balance
<b>P0279</b>	Cylinder 7 Injector Circuit Low
<b>P0280</b>	Cylinder 7 Injector Circuit High
<b>P0281</b>	Cylinder 7 Contribution/Balance
<b>P0282</b>	Cylinder 8 Injector Circuit Low
<b>P0283</b>	Cylinder 8 Injector Circuit High
<b>P0284</b>	Cylinder 8 Contribution/Balance
<b>P0297</b>	Vehicle Overspeed Condition
<b>P0298</b>	Engine Oil Over Temperature
<b>P0299</b>	Turbocharger/Supercharger Underboost
<b>P0300</b>	Random/Multiple Cylinder Misfire Detected
<b>P0301</b>	Cylinder 1 Misfire Detected
<b>P0302</b>	Cylinder 2 Misfire Detected
<b>P0303</b>	Cylinder 3 Misfire Detected
<b>P0304</b>	Cylinder 4 Misfire Detected
<b>P0305</b>	Cylinder 5 Misfire Detected
<b>P0306</b>	Cylinder 6 Misfire Detected
<b>P0307</b>	Cylinder 7 Misfire Detected
<b>P0308</b>	Cylinder 8 Misfire Detected
<b>P0313</b>	Misfire Detected with Low Fuel
<b>P0314</b>	Single Cylinder Misfire (Cylinder not Specified)
<b>P0314</b>	Single Cylinder Misfire
<b>P0315</b>	Crankshaft Position System Variation Not Learned
<b>P0315</b>	O2 Sensor Heater Circuit(Bank 1 / Sensor 1)
<b>P0315</b>	Crankshaft Position(CMP) Sensor Error
<b>P0315</b>	Crankshaft Position System Variation Not Learned
<b>P0315</b>	Segment Time Acquisition Incorrect
<b>P0316</b>	Engine Misfire Detected on Startup (First 1000 Revolutions)
<b>P0317</b>	Rough Road Hardware Not Present
<b>P0318</b>	Rough Road Sensor "A" Signal Circuit
<b>P0319</b>	Rough Road Sensor "B"
<b>P0320</b>	Ignition/Distributor Engine Speed Input Circuit
<b>P0320</b>	Engine Speed Input-Malfunction

Trouble code	Fault location
<b>P0320</b>	Ignition Failure Sensor-Malfunction
<b>P0320</b>	Ignition/Distributor Engine Speed Input Circuit
<b>P0321</b>	Ignition/Distributor Engine Speed Input Circuit Range/Performance
<b>P0322</b>	Ignition/Distributor Engine Speed Input Circuit No Signal
<b>P0323</b>	Ignition/Distributor Engine Speed Input Circuit Intermittent
<b>P0324</b>	Knock Control System Error
<b>P0325</b>	Knock Sensor 1 Circuit Bank 1 or Single Sensor
<b>P0326</b>	Knock Sensor 1 Circuit Range/Performance Bank 1 or Single Sensor
<b>P0327</b>	Knock Sensor 1 Circuit Low Bank 1 or Single Sensor
<b>P0327</b>	Knock Sensor 1 Circuit-Low Input
<b>P0328</b>	Knock Sensor 1 Circuit High Bank 1 or Single Sensor
<b>P0329</b>	Knock Sensor 1 Circuit Input Intermittent Bank 1 or Single Sensor
<b>P0330</b>	Knock Sensor 2 Circuit Bank 2
<b>P0331</b>	Knock Sensor 2 Circuit Range/Performance Bank 2
<b>P0332</b>	Knock Sensor 2 Circuit Low Bank 2
<b>P0333</b>	Knock Sensor 2 Circuit High Bank 2
<b>P0334</b>	Knock Sensor 2 Circuit Input Intermittent Bank 2
<b>P0335</b>	Crankshaft Position Sensor "A" Circuit
<b>P0335</b>	Crankshaft Position Sensor "A" Circuit Range/Performance
<b>P0335</b>	Crankshaft Position (CKP) Sensor Circuit-Malfunction
<b>P0336</b>	Crankshaft Position Sensor "A" Circuit Range/Performance
<b>P0337</b>	Crankshaft Position Sensor "A" Circuit Low Input
<b>P0338</b>	Crankshaft Position Sensor "A" Circuit High Input
<b>P0339</b>	Crankshaft Position Sensor "A" Circuit Intermittent
<b>P0339</b>	Crankshaft Position (CKP) Sensor Circuit-Malfunction
<b>P0340</b>	Camshaft Position Sensor "A" Circuit Bank 1 or Single Sensor
<b>P0340</b>	Camshaft Position Sensor A Circuit/Crankshaft Position Sensor Circuit Malfunction
<b>P0340</b>	Camshaft Position Sensor A Circuit Malfunction (Bank 1)
<b>P0341</b>	Camshaft Position Sensor "A" Circuit Range/Performance Bank 1 or Single Sensor
<b>P0341</b>	Crankshaft Position - Camshaft Position Correlation (Bank 1 Sensor A(Intake))
<b>P0341</b>	Camshaft Position Sensor "A"(Intake) Circuit Range/Performance (Bank 1)
<b>P0342</b>	Camshaft Position Sensor "A" Circuit Low Bank 1 or Single Sensor
<b>P0342</b>	Camshaft Position Sensor "A"(Intake) Circuit Low Input

Trouble code	Fault location
<b>P0343</b>	Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor
<b>P0343</b>	Camshaft Position Sensor "A"(Intake) Circuit High Input
<b>P0344</b>	Camshaft Position Sensor "A" Circuit Intermittent Bank 1 or Single Sensor
<b>P0345</b>	Camshaft Position Sensor "A" Circuit Bank 2
<b>P0345</b>	Camshaft Position Sensor "A(Intake)" Circuit (Bank 2)
<b>P0346</b>	Camshaft Position Sensor "A" Circuit Range/Performance Bank 2
<b>P0346</b>	Camshaft Position Sensor "A"(Intake) Circuit Range/Performance (Bank 2)
<b>P0347</b>	Camshaft Position Sensor "A" Circuit Low Bank 2
<b>P0348</b>	Camshaft Position Sensor "A" Circuit High Bank 2
<b>P0349</b>	Camshaft Position Sensor "A" Circuit Intermittent Bank 2
<b>P0350</b>	Ignition Coil Primary/Secondary Circuit
<b>P0351</b>	Ignition Coil "A" Primary/Secondary Circuit
<b>P0352</b>	Ignition Coil "B" Primary/Secondary Circuit
<b>P0353</b>	Ignition Coil "C" Primary/Secondary Circuit
<b>P0354</b>	Ignition Coil "D" Primary/Secondary Circuit
<b>P0355</b>	Ignition Coil "E" Primary/Secondary Circuit
<b>P0356</b>	Ignition Coil "F" Primary/Secondary Circuit
<b>P0357</b>	Ignition Coil "G" Primary/Secondary Circuit
<b>P0358</b>	Ignition Coil "H" Primary/Secondary Circuit
<b>P0359</b>	Ignition Coil "I" Primary/Secondary Circuit
<b>P0360</b>	Ignition Coil "J" Primary/Secondary Circuit
<b>P0361</b>	Ignition Coil "K" Primary/Secondary Circuit
<b>P0362</b>	Ignition Coil "L" Primary/Secondary Circuit
<b>P0363</b>	Misfire Detected - Fueling Disabled
<b>P0365</b>	Camshaft Position Sensor "B" Circuit Bank 1
<b>P0366</b>	Camshaft Position Sensor "B" Circuit Range/Performance Bank 1
<b>P0367</b>	Camshaft Position Sensor "B" Circuit Low Bank 1
<b>P0368</b>	Camshaft Position Sensor "B" Circuit High Bank 1
<b>P0369</b>	Camshaft Position Sensor "B" Circuit Intermittent Bank 1
<b>P0370</b>	Timing Reference High Resolution Signal "A"
<b>P0371</b>	Timing Reference High Resolution Signal "A" Too Many Pulses
<b>P0372</b>	Timing Reference High Resolution Signal "A" Too Few Pulses
<b>P0373</b>	Timing Reference High Resolution Signal "A" Intermittent/Erratic Pulses

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0374</b>	Timing Reference High Resolution Signal “A” No Pulse
<b>P0375</b>	Timing Reference High Resolution Signal “B”
<b>P0376</b>	Timing Reference High Resolution Signal “B” Too Many Pulses
<b>P0377</b>	Timing Reference High Resolution Signal “B” Too Few Pulses
<b>P0378</b>	Timing Reference High Resolution Signal “B” Intermittent/ Erratic Pulses
<b>P0379</b>	Timing Reference High Resolution Signal “B” No Pulses
<b>P0385</b>	Crankshaft Position Sensor “B” Circuit
<b>P0386</b>	Crankshaft Position Sensor “B” Circuit Range/Performance
<b>P0387</b>	Crankshaft Position Sensor “B” Circuit Low
<b>P0388</b>	Crankshaft Position Sensor “B” Circuit High
<b>P0389</b>	Crankshaft Position Sensor “B” Circuit Intermittent
<b>P0390</b>	Camshaft Position Sensor “B” Circuit Bank 2
<b>P0391</b>	Camshaft Position Sensor “B” Circuit Range/Performance Bank 2
<b>P0392</b>	Camshaft Position Sensor “B” Circuit Low Bank 2
<b>P0393</b>	Camshaft Position Sensor “B” Circuit High Bank 2
<b>P0394</b>	Camshaft Position Sensor “B” Circuit Intermittent Bank 2
<b>P0400</b>	Exhaust Gas Recirculation Flow
<b>P0401</b>	Exhaust Gas Recirculation Flow Insufficient Detected
<b>P0402</b>	Exhaust Gas Recirculation Flow Excessive Detected
<b>P0403</b>	Exhaust Gas Recirculation Control Circuit
<b>P0404</b>	Exhaust Gas Recirculation Control Circuit Range/Performance
<b>P0405</b>	Exhaust Gas Recirculation Sensor “A” Circuit Low
<b>P0406</b>	Exhaust Gas Recirculation Sensor “A” Circuit High
<b>P0407</b>	Exhaust Gas Recirculation Sensor “B” Circuit Low
<b>P0408</b>	Exhaust Gas Recirculation Sensor “B” Circuit High
<b>P0409</b>	Exhaust Gas Recirculation Sensor “A” Circuit
<b>P0410</b>	Secondary Air Injection System
<b>P0411</b>	Secondary Air Injection System Incorrect Flow Detected
<b>P0412</b>	Secondary Air Injection System Switching Valve “A” Circuit
<b>P0413</b>	Secondary Air Injection System Switching Valve “A” Circuit Open
<b>P0414</b>	Secondary Air Injection System Switching Valve “A” Circuit Shorted
<b>P0415</b>	Secondary Air Injection System Switching Valve “B” Circuit
<b>P0416</b>	Secondary Air Injection System Switching Valve “B” Circuit Open

Trouble code	Fault location
<b>P0417</b>	Secondary Air Injection System Switching Valve “B” Circuit Shorted
<b>P0418</b>	Secondary Air Injection System Control “A” Circuit
<b>P0419</b>	Secondary Air Injection System Control “B” Circuit
<b>P0420</b>	Catalyst System Efficiency Below Threshold Bank 1
<b>P0421</b>	Warm Up Catalyst Efficiency Below Threshold Bank 1
<b>P0422</b>	Main Catalyst Efficiency Below Threshold Bank 1
<b>P0423</b>	Heated Catalyst Efficiency Below Threshold Bank 1
<b>P0424</b>	Heated Catalyst Temperature Below Threshold Bank 1
<b>P0425</b>	Catalyst Temperature Sensor Bank 1
<b>P0426</b>	Catalyst Temperature Sensor Range/Performance Bank 1
<b>P0427</b>	Catalyst Temperature Sensor Low Bank 1
<b>P0428</b>	Catalyst Temperature Sensor High Bank 1
<b>P0429</b>	Catalyst Heater Control Circuit Bank 1
<b>P0430</b>	Warm Up Catalyst Efficiency below Threshold Bank 2
<b>P0431</b>	Catalyst System Efficiency Below Threshold Bank 2
<b>P0432</b>	Main Catalyst Efficiency Below Threshold Bank 2
<b>P0433</b>	Heated Catalyst Efficiency Below Threshold Bank 2
<b>P0434</b>	Heated Catalyst Temperature Below Threshold Bank 2
<b>P0435</b>	Catalyst Temperature Sensor Bank 2
<b>P0436</b>	Catalyst Temperature Sensor Range/Performance Bank 2
<b>P0437</b>	Catalyst Temperature Sensor Low Bank 2
<b>P0438</b>	Catalyst Temperature Sensor High Bank 2
<b>P0439</b>	Catalyst Heater Control Circuit Bank 2
<b>P0440</b>	Evaporative Emission System
<b>P0440</b>	Canister Solenoid Valve
<b>P0441</b>	Evaporative Emission System Incorrect Purge Flow
<b>P0442</b>	Evaporative Emission System-Leak detected (small leak)
<b>P0443</b>	Evaporative Emission System Purge Control Valve Circuit
<b>P0444</b>	Evaporative Emission System-Purge Control Valve Circuit Open
<b>P0445</b>	Evaporative Emission System Purge Control Valve Circuit Shorted
<b>P0446</b>	Evaporative Emission System-Vent Control Circuit
<b>P0447</b>	Evaporative Emission System - Vent Control Circuit Open
<b>P0447</b>	Evaporative Emission System-Vent Control Circuit Short
<b>P0448</b>	Evaporative Emission System-Vent Control Circuit Short
<b>P0449</b>	Evaporative Emission System Vent Valve/Solenoid Circuit
<b>P0450</b>	Evaporative Emission System Pressure Sensor/Switch

Trouble code	Fault location
<b>P0451</b>	Evaporative Emission System Pressure Sensor/Switch Range/ Performance
<b>P0451</b>	Evaporative Emission System-Fuel Tank Pressure Sensor (FTPS) Range
<b>P0452</b>	Evaporative Emission System Pressure Sensor/Switch Low
<b>P0453</b>	Evaporative Emission System Pressure Sensor/Switch High
<b>P0454</b>	Evaporative Emission System Pressure Sensor/Switch Intermittent
<b>P0455</b>	Evaporative Emission System-Leak detected(Large leak)
<b>P0456</b>	Evaporative Emission System-Leak detected (very small leak)
<b>P0457</b>	Evaporative Emission System Leak Detected (fuel cap loose/ off)
<b>P0458</b>	Evaporative Emission System Purge Control Valve Circuit Low
<b>P0459</b>	Evaporative Emission System Purge Control Valve Circuit High
<b>P0460</b>	Fuel Level Sensor “A” Circuit
<b>P0461</b>	Fuel Level Sensor “A” Circuit Range/Performance
<b>P0462</b>	Fuel Level Sensor “A” Circuit Low
<b>P0463</b>	Fuel Level Sensor “A” Circuit High
<b>P0464</b>	Fuel Level Sensor “A” Circuit Intermittent
<b>P0465</b>	EVAP Purge Flow Sensor Circuit
<b>P0466</b>	EVAP Purge Flow Sensor Circuit Range/Performance
<b>P0467</b>	EVAP Purge Flow Sensor Circuit Low
<b>P0468</b>	EVAP Purge Flow Sensor Circuit High
<b>P0469</b>	EVAP Purge Flow Sensor Circuit Intermittent
<b>P0470</b>	Exhaust Pressure Sensor
<b>P0471</b>	Exhaust Pressure Sensor Range/Performance
<b>P0472</b>	Exhaust Pressure Sensor Low
<b>P0473</b>	Exhaust Pressure Sensor High
<b>P0474</b>	Exhaust Pressure Sensor Intermittent
<b>P0475</b>	Exhaust Pressure Control Valve
<b>P0476</b>	Exhaust Pressure Control Valve Range/Performance
<b>P0477</b>	Exhaust Pressure Control Valve Low
<b>P0478</b>	Exhaust Pressure Control Valve High
<b>P0479</b>	Exhaust Pressure Control Valve Intermittent
<b>P0480</b>	Fan 1 Control Circuit
<b>P0481</b>	Fan 2 Control Circuit
<b>P0482</b>	Fan 3 Control Circuit
<b>P0483</b>	Fan Rationality Check
<b>P0484</b>	Fan Circuit Over Current



# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0485</b>	Fan Power/Ground Circuit
<b>P0486</b>	Exhaust Gas Recirculation Sensor “B” Circuit
<b>P0487</b>	Exhaust Gas Recirculation Throttle Position Control Circuit
<b>P0488</b>	Exhaust Gas Recirculation Throttle Position Control Range/Performance
<b>P0489</b>	Exhaust Gas Recirculation Control Circuit Low
<b>P0490</b>	Exhaust Gas Recirculation Control Circuit High
<b>P0491</b>	Secondary Air Injection System Insufficient Flow Bank 1
<b>P0492</b>	Secondary Air Injection System Insufficient Flow Bank 2
<b>P0493</b>	Fan Overspeed
<b>P0494</b>	Fan Speed Low
<b>P0495</b>	Fan Speed High
<b>P0496</b>	Evaporative Emission System High Purge Flow
<b>P0497</b>	Evaporative Emission System Low Purge Flow
<b>P0498</b>	Evaporative Emission System Vent Valve Control Circuit Low
<b>P0499</b>	Evaporative Emission System Vent Valve Control Circuit High
<b>P0500</b>	Vehicle Speed Sensor “A”
<b>P0501</b>	Vehicle Speed Sensor “A” Range/Performance
<b>P0502</b>	Vehicle Speed Sensor “A” Circuit Low Input
<b>P0503</b>	Vehicle Speed Sensor “A” Intermittent/Erratic/High
<b>P0503</b>	Vehicle Speed Sensor A Intermittent/Erratic/High
<b>P0504</b>	Brake Switch “A”/”B” Correlation
<b>P0505</b>	Idle Air Control System
<b>P0506</b>	Idle Air Control System-RPM Lower Than Expected
<b>P0507</b>	Idle Air Control System-RPM Higher than Expected
<b>P0508</b>	Idle Air Control System Circuit Low
<b>P0509</b>	Idle Air Control System Circuit High
<b>P0510</b>	Closed Throttle Position Switch
<b>P0511</b>	Idle Air Control Circuit
<b>P0512</b>	Starter Request Circuit
<b>P0513</b>	Incorrect Immobilizer Key
<b>P0514</b>	Battery Temperature Sensor Circuit Range/Performance
<b>P0515</b>	Battery Temperature Sensor Circuit
<b>P0516</b>	Battery Temperature Sensor Circuit Low
<b>P0517</b>	Battery Temperature Sensor Circuit High
<b>P0518</b>	Idle Air Control Circuit Intermittent
<b>P0519</b>	Idle Air Control System Performance
<b>P0520</b>	Engine Oil Pressure Sensor/Switch Circuit
<b>P0521</b>	Engine Oil Pressure Sensor/Switch Range/Performance

Trouble code	Fault location
<b>P0522</b>	Engine Oil Pressure Sensor/Switch Low Voltage
<b>P0523</b>	Engine Oil Pressure Sensor/Switch High Voltage
<b>P0524</b>	Engine Oil Pressure Too Low
<b>P0525</b>	Cruise Control Servo Control Circuit Range/Performance
<b>P0526</b>	Fan Speed Sensor Circuit
<b>P0527</b>	Fan Speed Sensor Circuit Range/Performance
<b>P0528</b>	Fan Speed Sensor Circuit No Signal
<b>P0529</b>	Fan Speed Sensor Circuit Intermittent
<b>P0530</b>	A/C Refrigerant Pressure Sensor “A” Circuit
<b>P0531</b>	A/C Refrigerant Pressure Sensor “A” Circuit Range/Performance
<b>P0532</b>	A/C Refrigerant Pressure Sensor “A” Circuit Low
<b>P0533</b>	A/C Refrigerant Pressure Sensor “A” Circuit High
<b>P0534</b>	Air Conditioner Refrigerant Charge Loss
<b>P0535</b>	A/C Evaporator Temperature Sensor Circuit
<b>P0536</b>	A/C Evaporator Temperature Sensor Circuit Range/Performance
<b>P0537</b>	A/C Evaporator Temperature Sensor Circuit Low
<b>P0538</b>	A/C Evaporator Temperature Sensor Circuit High
<b>P0539</b>	A/C Evaporator Temperature Sensor Circuit Intermittent
<b>P0540</b>	Intake Air Heater “A” Circuit
<b>P0541</b>	Intake Air Heater “A” Circuit Low
<b>P0542</b>	Intake Air Heater “A” Circuit High
<b>P0543</b>	Intake Air Heater “A” Circuit Open
<b>P0544</b>	Exhaust Gas Temperature Sensor Circuit Bank 1 Sensor 1
<b>P0545</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 1
<b>P0546</b>	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 1
<b>P0547</b>	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 1
<b>P0548</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 1
<b>P0549</b>	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 1
<b>P0550</b>	Power Steering Pressure Sensor/Switch Circuit
<b>P0551</b>	Power Steering Pressure Sensor/Switch Circuit Range/Performance
<b>P0552</b>	Power Steering Pressure Sensor/Switch Circuit Low input
<b>P0553</b>	Power Steering Pressure Sensor/Switch Circuit High Input
<b>P0554</b>	Power Steering Pressure Sensor/Switch Circuit Intermittent

Trouble code	Fault location
<b>P0555</b>	Brake Booster Pressure Sensor Circuit
<b>P0556</b>	Brake Booster Pressure Sensor Circuit Range/Performance
<b>P0557</b>	Brake Booster Pressure Sensor Circuit Low Input
<b>P0558</b>	Brake Booster Pressure Sensor Circuit High Input
<b>P0559</b>	Brake Booster Pressure Sensor Circuit Intermittent
<b>P0560</b>	System Voltage Malfunction
<b>P0561</b>	System Voltage Unstable
<b>P0562</b>	System Voltage Low
<b>P0562</b>	Battery Voltage Low
<b>P0563</b>	Battery Voltage High
<b>P0563</b>	System Voltage High
<b>P0564</b>	Cruise Control Multi-Function Input “A” Circuit
<b>P0565</b>	Cruise Control On Signal
<b>P0566</b>	Cruise Control Off Signal
<b>P0567</b>	Cruise Control Resume Signal
<b>P0568</b>	Cruise Control Set Signal
<b>P0569</b>	Cruise Control Coast Signal
<b>P0570</b>	Cruise Control Accelerate Signal
<b>P0571</b>	Brake Switch “A” Circuit
<b>P0571</b>	Brake Switch “A” Circuit Malfunction
<b>P0572</b>	Brake Switch “A” Circuit Low
<b>P0572</b>	Brake Switch “A” Circuit Malfunction
<b>P0573</b>	Brake Switch “A” Circuit High
<b>P0574</b>	Cruise Control System - Vehicle Speed Too High
<b>P0575</b>	Cruise Control Input Circuit
<b>P0576</b>	Cruise Control Input Circuit Low
<b>P0577</b>	Cruise Control Input Circuit High
<b>P0578</b>	Cruise Control Multi-Function Input “A” Circuit Stuck
<b>P0579</b>	Cruise Control Multi-Function Input “A” Circuit Range/Performance
<b>P0580</b>	Cruise Control Multi-Function Input “A” Circuit Low
<b>P0581</b>	Cruise Control Multi-Function Input “A” Circuit High
<b>P0582</b>	Cruise Control Vacuum Control Circuit/Open
<b>P0583</b>	Cruise Control Vacuum Control Circuit Low
<b>P0584</b>	Cruise Control Vacuum Control Circuit High
<b>P0585</b>	Cruise Control Multi-Function Input “A”/”B” Correlation
<b>P0586</b>	Cruise Control Vent Control Circuit/Open
<b>P0587</b>	Cruise Control Vent Control Circuit Low
<b>P0588</b>	Cruise Control Vent Control Circuit High

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0589</b>	Cruise Control Multi-Function Input “B” Circuit
<b>P0590</b>	Cruise Control Multi-Function Input “B” Circuit Stuck
<b>P0591</b>	Cruise Control Multi-Function Input “B” Circuit Range/Performance
<b>P0592</b>	Cruise Control Multi-Function Input “B” Circuit Low
<b>P0593</b>	Cruise Control Multi-Function Input “B” Circuit High
<b>P0594</b>	Cruise Control Servo Control Circuit/Open
<b>P0595</b>	Cruise Control Servo Control Circuit Low
<b>P0596</b>	Cruise Control Servo Control Circuit High
<b>P0597</b>	Thermostat Heater Control Circuit/Open
<b>P0598</b>	Thermostat Heater Control Circuit Low
<b>P0599</b>	Thermostat Heater Control Circuit High
<b>P0600</b>	Serial Communication Link/CAN-BUS Off
<b>P0601</b>	Internal Control Module Memory Check Sum Error
<b>P0602</b>	Control Module Programming Error
<b>P0603</b>	Internal Control Module Keep Alive Memory (KAM) Error
<b>P0603</b>	VIN Write Error
<b>P0604</b>	Internal Control Module Random Access Memory (RAM) Error
<b>P0605</b>	Internal Control Module Read Only Memory (ROM) Error
<b>P0605</b>	Engine Control Module
<b>P0606</b>	ECM ROM/RAM Error
<b>P0606</b>	ECM/PCM Processor
<b>P0607</b>	Control Module Performance
<b>P0608</b>	Control Module VSS Output “A”
<b>P0609</b>	Control Module VSS Output “B”
<b>P0610</b>	Control Module Vehicle Options Error
<b>P0611</b>	Fuel Injector Control Module Performance
<b>P0612</b>	Fuel Injector Control Module Relay Control
<b>P0613</b>	TCM Processor
<b>P0614</b>	ECM / TCM Incompatible
<b>P0615</b>	Starter Relay Circuit
<b>P0616</b>	Starter Relay Circuit Low
<b>P0616</b>	CAN Communication Error
<b>P0616</b>	Starter Cut Relay Circuit Low
<b>P0617</b>	Starter Relay Circuit High
<b>P0617</b>	Starter Cut Relay Circuit High
<b>P0618</b>	Alternative Fuel Control Module KAM Error
<b>P0619</b>	Alternative Fuel Control Module RAM/ROM Error

Trouble code	Fault location
<b>P0620</b>	Generator Control Circuit
<b>P0621</b>	Generator Lamp/L Terminal Circuit
<b>P0622</b>	Generator Field/F Terminal Circuit
<b>P0623</b>	Generator Lamp Control Circuit
<b>P0624</b>	Fuel Cap Lamp Control Circuit
<b>P0625</b>	Generator Field/F Terminal Circuit Low
<b>P0626</b>	Generator Field/F Terminal Circuit High
<b>P0627</b>	Fuel Pump “A” Control Circuit /Open
<b>P0627</b>	Trigger-Spill Valve Circuit/Open(EMS-IDM)
<b>P0628</b>	Fuel Pump “A” Control Circuit Low
<b>P0629</b>	Fuel Pump “A” Control Circuit High
<b>P0630</b>	VIN Not Programmed or Incompatible - ECM/PCM
<b>P0630</b>	VIN Not Programmed-ECU
<b>P0631</b>	VIN Not Programmed or Incompatible - TCM
<b>P0632</b>	Odometer Not Programmed - ECM/PCM
<b>P0633</b>	Immobilizer Key Not Programmed - ECM/PCM
<b>P0634</b>	PCM/ECM/TCM Internal Temperature Too High
<b>P0635</b>	Power Steering Control Circuit
<b>P0636</b>	Power Steering Control Circuit Low
<b>P0637</b>	Power Steering Control Circuit High
<b>P0638</b>	Throttle Actuator Control Range/Performance Bank 1
<b>P0639</b>	Throttle Actuator Control Range/Performance Bank 2
<b>P0640</b>	Intake Air Heater Control Circuit
<b>P0641</b>	Sensor Reference Voltage “A” Circuit/Open
<b>P0642</b>	ECM Knock Control - Defective
<b>P0643</b>	Sensor Reference Voltage “A” Circuit High
<b>P0644</b>	Driver Display Serial Communication Circuit
<b>P0645</b>	A/C Clutch Relay Control Circuit
<b>P0646</b>	A/C Clutch Relay Control Circuit Low
<b>P0647</b>	A/C Clutch Relay Control Circuit High
<b>P0648</b>	Immobilizer Lamp Control Circuit
<b>P0649</b>	Speed Control Lamp Control Circuit
<b>P0650</b>	Malfunction Indicator Lamp (MIL) Control Circuit
<b>P0651</b>	Sensor Reference Voltage “B” Circuit/Open
<b>P0652</b>	Sensor Reference Voltage “B” Circuit Low
<b>P0653</b>	Sensor Reference Voltage “B” Circuit High
<b>P0654</b>	Engine RPM Output Circuit
<b>P0655</b>	Engine Hot Lamp Output Control Circuit

Trouble code	Fault location
<b>P0656</b>	Fuel Level Output Circuit
<b>P0657</b>	Actuator Supply Voltage “A” Circuit/Open
<b>P0658</b>	Actuator Supply Voltage “A” Circuit Low
<b>P0659</b>	Actuator Supply Voltage “A” Circuit High
<b>P0660</b>	Intake Manifold Tuning Valve Control Circuit/Open Bank 1
<b>P0661</b>	Intake Manifold Tuning Valve Control Circuit Low Bank 1
<b>P0662</b>	Intake Manifold Tuning Valve Control Circuit High Bank 1
<b>P0663</b>	Intake Manifold Tuning Valve Control Circuit/Open Bank 2
<b>P0664</b>	Intake Manifold Tuning Valve Control Circuit Low Bank 2
<b>P0665</b>	Intake Manifold Tuning Valve Control Circuit High Bank 2
<b>P0666</b>	PCM/ECM/TCM Internal Temperature Sensor Circuit
<b>P0667</b>	PCM/ECM/TCM Internal Temperature Sensor Range/Performance
<b>P0668</b>	PCM/ECM/TCM Internal Temperature Sensor Circuit Low
<b>P0669</b>	PCM/ECM/TCM Internal Temperature Sensor Circuit High
<b>P0685</b>	ECM/PCM Power Relay Control Circuit /Open
<b>P0686</b>	ECM/PCM Power Relay Control Circuit Low
<b>P0687</b>	ECM/PCM Power Relay Control Circuit High
<b>P0688</b>	ECM/PCM Power Relay Sense Circuit /Open
<b>P0689</b>	ECM/PCM Power Relay Sense Circuit Low
<b>P0690</b>	ECM/PCM Power Relay Sense Circuit High
<b>P0691</b>	Fan 1 Control Circuit Low
<b>P0692</b>	Fan 1 Control Circuit High
<b>P0693</b>	Fan 2 Control Circuit Low
<b>P0694</b>	Fan 2 Control Circuit High
<b>P0695</b>	Fan 3 Control Circuit Low
<b>P0696</b>	Fan 3 Control Circuit High
<b>P0697</b>	Sensor Reference Voltage “C” Circuit/Open
<b>P0698</b>	Sensor Reference Voltage “C” Circuit Low
<b>P0699</b>	Sensor Reference Voltage “C” Circuit High
<b>P0700</b>	Transmission Control System (MIL Request)
<b>P0700</b>	Torque Reduction Input
<b>P0700</b>	TCM Request For Malfunction Indicator Lamp (MIL) On Signal
<b>P0701</b>	Transmission Control System Range/Performance
<b>P0701</b>	Transmission Control System
<b>P0702</b>	Transmission Control System Electrical
<b>P0703</b>	Brake Switch “B” Circuit
<b>P0703</b>	Stop Lamp (Brake) Switch Circuit Malfunction
<b>P0704</b>	Clutch Switch Input Circuit Malfunction



# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0705</b>	Transmission Range Sensor Circuit Malfunction
<b>P0706</b>	Transmission Range Sensor Circuit Range/Performance
<b>P0706</b>	Transmission Range Sensor Electrical Failure
<b>P0706</b>	Shift Cable alignment error between TGS Lever and Transmission Range Sensor
<b>P0707</b>	Transmission Range Sensor Circuit Low
<b>P0707</b>	Transmission Range Sensor Circuit Low Input (No Signal)
<b>P0708</b>	Transmission Range Sensor Circuit High
<b>P0708</b>	Transmission Range Sensor Circuit High Input (Multi Signal)
<b>P0709</b>	Transmission Range Sensor Circuit Intermittent
<b>P0710</b>	Transmission Fluid Temperature Sensor "A" Circuit
<b>P0711</b>	Transmission Fluid Temperature Sensor "A" Circuit Range/Performance
<b>P0712</b>	Transmission Fluid Temperature Sensor "A" Circuit Low
<b>P0713</b>	Transmission Fluid Temperature Sensor "A" Circuit High
<b>P0714</b>	Transmission Fluid Temperature Sensor "A" Circuit Intermittent
<b>P0715</b>	Input/Turbine Speed Sensor "A" Circuit No Signal
<b>P0716</b>	Input/Turbine Speed Sensor "A" Circuit Range/Performance
<b>P0717</b>	Input/Turbine Speed Sensor "A" Circuit No Signal
<b>P0718</b>	Input/Turbine Speed Sensor "A" Circuit Intermittent
<b>P0719</b>	Brake Switch "B" Circuit Low
<b>P0720</b>	Output Speed Sensor Circuit
<b>P0720</b>	Output Speed Sensor (Pulse Generator B) Circuit
<b>P0720</b>	Output Speed Sensor (Pulse Generator B) Circuit No Signal
<b>P0721</b>	Output Speed Sensor Circuit Range/Performance
<b>P0721</b>	Output Speed Sensor (Pulse Generator B) Circuit Range / Performance
<b>P0722</b>	Output Speed Sensor (Pulse Generator B) Circuit No Signal
<b>P0722</b>	Output Speed Sensor Circuit No Signal
<b>P0723</b>	Output Speed Sensor Circuit Intermittent
<b>P0724</b>	Brake Switch "B" Circuit High
<b>P0725</b>	Engine Speed Input Circuit
<b>P0726</b>	Engine Speed Input Circuit Range/Performance
<b>P0727</b>	Engine Speed Input Circuit No Signal
<b>P0728</b>	Engine Speed Input Circuit Intermittent
<b>P0729</b>	Gear 6 Incorrect Ratio
<b>P0730</b>	Incorrect Gear Ratio
<b>P0730</b>	Brake Switch-Open or Short

Trouble code	Fault location
<b>P0730</b>	Gear 8 Incorrect Ratio
<b>P0731</b>	Gear 1 Incorrect Ratio
<b>P0732</b>	Gear 2 Incorrect Ratio
<b>P0733</b>	Gear 3 Incorrect Ratio
<b>P0734</b>	Gear 4 Incorrect Ratio
<b>P0735</b>	Gear 5 Incorrect Ratio
<b>P0736</b>	Reverse Incorrect Ratio
<b>P0737</b>	TCM Engine Speed Output Circuit
<b>P0738</b>	TCM Engine Speed Output Circuit Low
<b>P0739</b>	TCM Engine Speed Output Circuit High
<b>P0740</b>	Torque Converter Clutch Circuit/Open
<b>P0741</b>	Torque Converter Clutch Circuit Performance or Stuck Off
<b>P0741</b>	Torque Converter Clutch Circuit Stuck Off(SOL6)
<b>P0742</b>	Torque Converter Clutch Circuit Stuck On
<b>P0743</b>	Torque Converter Clutch Circuit - Short to battery (SOL6)
<b>P0743</b>	Torque Converter Clutch Circuit Electrical
<b>P0744</b>	Torque Converter Clutch Circuit Intermittent
<b>P0744</b>	Torque Converter Clutch Circuit - Open or Short to ground (SOL6)
<b>P0745</b>	Pressure Control Solenoid "A"
<b>P0745</b>	Pressure Control Solenoid "A" Electrical
<b>P0746</b>	Pressure Control Solenoid "A" Performance or Stuck Off
<b>P0746</b>	Pressure Control Solenoid Valve "A" Performance or Stuck Off(SOL5)
<b>P0747</b>	Pressure Control Solenoid "A" Stuck On
<b>P0748</b>	Pressure Control Solenoid "A" Electrical
<b>P0748</b>	Pressure Control Solenoid Valve "A" - Short to Battery(SOL5 - Normal / High )
<b>P0748</b>	Pressure Control Solenoid Valve(VFS) "A" Electrical
<b>P0749</b>	Pressure Control Solenoid "A" Intermittent
<b>P0749</b>	Pressure Control Solenoid Valve "A" - Short to ground (SOL5 - Normal / High)
<b>P0750</b>	Shift Control Solenoid Valve "A" (Low&Reverse Brake Solenoid)
<b>P0750</b>	Shift Control Solenoid Valve "A"(ON/OFF)
<b>P0750</b>	Shift Control Solenoid Valve "A"
<b>P0750</b>	Shift Control Solenoid Valve "A" (Low-Reverse Brake Control Solenoid)-Open or Short
<b>P0751</b>	Shift Solenoid "A" Performance or Stuck Off

Trouble code	Fault location
<b>P0751</b>	Shift Control Solenoid Valve "A" Performance or Stuck Off (SOL1- Clutch "A" : Normal / Low)
<b>P0751</b>	Shift Control Solenoid Valve "A" Performance or Stuck Off(S1)
<b>P0752</b>	Shift Solenoid "A" Stuck On
<b>P0752</b>	Shift Control Solenoid Valve "A" Stuck On(S1,S4)
<b>P0753</b>	Shift Solenoid "A" Electrical
<b>P0753</b>	Shift Control Solenoid Valve "A" -Short to battery (SOL1- Clutch "A" : Normal / Low)
<b>P0753</b>	Shift Control Solenoid Valve "A" Electrical (UD/B)
<b>P0753</b>	Shift Control Solenoid Valve "A" Electrical (UD/C)
<b>P0753</b>	Shift Control Solenoid Valve "A" Electrical (Input Clutch Solenoid)
<b>P0754</b>	Shift Solenoid "A" Intermittent
<b>P0754</b>	Shift Control Solenoid Valve "A" - Open or Short to ground(SOL1-Clutch "A" - Normal / Low)
<b>P0755</b>	Shift Control Solenoid Valve "B"(PCSV-A)
<b>P0755</b>	Shift Control Solenoid Valve "B"
<b>P0755</b>	Shift Control Solenoid Valve "B" (Under Drive Solenoid)-Open or Short
<b>P0756</b>	Shift Solenoid "B" Performance or Stuck Off
<b>P0756</b>	Shift Control Solenoid Valve "B" Performance or Stuck Off(SOL2)
<b>P0757</b>	Shift Solenoid "B" Stuck On
<b>P0757</b>	Shift Control Solenoid Valve "B" Stuck On(S2)
<b>P0758</b>	Shift Solenoid "B" Electrical
<b>P0758</b>	Shift Control Solenoid Valve "B" - Short to battery (SOL2- Clutch B : Normal / High)
<b>P0758</b>	Shift Control Solenoid Valve "B" Electrical (2-6/B)
<b>P0758</b>	Shift Control Solenoid Valve "B" Electrical (6/C)
<b>P0758</b>	Shift Control Solenoid Valve "B" Electrical (Front Brake Solenoid)
<b>P0759</b>	Shift Solenoid "B" Intermittent
<b>P0759</b>	Shift Control Solenoid Valve "B" Intermittent(SOL2)
<b>P0760</b>	Shift Control Solenoid Valve "C" (2nd Brake Control Solenoid) -Open or Short
<b>P0760</b>	Shift Control Solenoid Valve "C"
<b>P0760</b>	Shift Control Solenoid Valve "C"(PCSV-B)
<b>P0761</b>	Shift Solenoid "C" Performance or Stuck Off
<b>P0761</b>	Shift Control Solenoid Valve "C" Performance or Stuck Off(SOL3)

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0761</b>	Shift Control Solenoid Valve “C” Performance or Stuck Off(S3)
<b>P0762</b>	Shift Solenoid “C” Stuck On
<b>P0762</b>	Shift Control Solenoid Valve “C” Stuck On(S3)
<b>P0763</b>	Shift Solenoid “C” Electrical
<b>P0763</b>	Shift Control Solenoid Valve “C” - Short to battery (SOL3 - Brake “C” : Normal / Low)
<b>P0763</b>	Shift Control Solenoid Valve “C” Electrical (35R/C)
<b>P0763</b>	Shift Control Solenoid Valve “C” Electrical(Direct Clutch Solenoid)
<b>P0764</b>	Shift Solenoid “C” Intermittent
<b>P0764</b>	Shift Control Solenoid Valve “C”-Open or Short to ground (SOL3 - Brake “C” : Normal / Low)
<b>P0765</b>	Shift Control Solenoid Valve “D” (Overdrive Solenoid)-Malfunction
<b>P0765</b>	Torque Reduction Request
<b>P0765</b>	Shift Control Solenoid Valve “D” (Over Drive Solenoid)-Open or Short
<b>P0765</b>	Shift Control Solenoid Valve “D”(PCSV-C)
<b>P0765</b>	Shift Control Solenoid Valve “D”(Over Drive Clutch Solenoid)
<b>P0765</b>	Shift Control Solenoid Valve “D”
<b>P0766</b>	Shift Solenoid “D” Performance or Stuck Off
<b>P0766</b>	Shift Control Solenoid Valve “D” Performance or Stuck Off(SOL4)
<b>P0766</b>	Shift Control Solenoid Valve “D” Performance or Stuck Off(S4)
<b>P0766</b>	Shift Control Solenoid Valve “E” (Reduction Solenoid)-Open or Short
<b>P0767</b>	Shift Solenoid “D” Stuck On
<b>P0768</b>	Shift Solenoid “D” Electrical
<b>P0768</b>	Shift Control Solenoid Valve “D” - Short to battery (SOL4- Brake “D”, Clutch “E” - Normal / High)
<b>P0768</b>	Shift Control Solenoid Valve “D” Electrical (OD/C)
<b>P0768</b>	Shift Control Solenoid Valve “D” Electrical (4&OD/C)
<b>P0768</b>	Shift Control Solenoid Valve “D” Electrical(High/Low&Reverse Clutch Solenoid)
<b>P0769</b>	Shift Solenoid “D” Intermittent
<b>P0769</b>	Shift Control Solenoid Valve “D” - Open or Short to ground (SOL4- Brake”D”, Clutch”E” : Normal / High)
<b>P0770</b>	Shift Control Solenoid Valve “E” (Reverse Clutch Solenoid)-Open or Short

Trouble code	Fault location
<b>P0770</b>	Shift Control Solenoid Valve “E” (Reduction Solenoid)-Open or Short
<b>P0770</b>	Shift Control Solenoid Valve “E”(Reduction Clutch Solenoid)
<b>P0771</b>	Shift Solenoid “E” Performance or Stuck Off
<b>P0771</b>	Shift Control Solenoid Valve “E” - Open(SOL 7 - ON/OFF : Normal / Close)
<b>P0772</b>	Shift Solenoid “E” Stuck On
<b>P0773</b>	Shift Solenoid “E” Electrical
<b>P0773</b>	Shift Control Solenoid Valve “E” - Short to battery (SOL 7 - ON/OFF : Normal / Close)
<b>P0773</b>	Shift Control Solenoid Valve “E” Electrical (SS-A)
<b>P0773</b>	Shift Control Solenoid Valve “E” Electrical (27/B)
<b>P0773</b>	Shift Control Solenoid Valve “E” Electrical(Low Coast Brake Solenoid)
<b>P0774</b>	Shift Solenoid “E” Intermittent
<b>P0774</b>	Shift Control Solenoid Valve “E” - Short to ground (SOL 7 - ON/OFF : Normal / Close)
<b>P0775</b>	Pressure Control Solenoid “B”
<b>P0776</b>	Pressure Control Solenoid “B” Performance or Stuck off
<b>P0777</b>	Pressure Control Solenoid “B” Stuck On
<b>P0778</b>	Pressure Control Solenoid “B” Electrical
<b>P0779</b>	Pressure Control Solenoid “B” Intermittent
<b>P0780</b>	Shift Error
<b>P0780</b>	Unusual Shifting
<b>P0781</b>	1-2 Shift
<b>P0782</b>	2-3 Shift
<b>P0783</b>	3-4 Shift
<b>P0784</b>	4-5 Shift
<b>P0785</b>	Shift/Timing Solenoid
<b>P0785</b>	ON/OFF Solenoid A (Drive) (SBW)
<b>P0786</b>	Shift/Timing Solenoid Range/Performance
<b>P0787</b>	Shift/Timing Solenoid Low
<b>P0788</b>	Shift/Timing Solenoid High
<b>P0789</b>	Shift/Timing Solenoid Intermittent
<b>P0790</b>	Normal/Performance Switch Circuit
<b>P0791</b>	Intermediate Shaft Speed Sensor “A” Circuit
<b>P0791</b>	Middle Speed Sensor Circuit No Signal
<b>P0792</b>	Intermediate Shaft Speed Sensor “A” Circuit Range/Performance
<b>P0793</b>	Intermediate Shaft Speed Sensor “A” Circuit No Signal

Trouble code	Fault location
<b>P0794</b>	Intermediate Shaft Speed Sensor “A” Circuit Intermittent
<b>P0796</b>	Pressure Control Solenoid “C” Performance or Stuck off
<b>P0797</b>	Pressure Control Solenoid “C” Stuck On
<b>P0798</b>	Pressure Control Solenoid “C” Electrical
<b>P0799</b>	Pressure Control Solenoid “C” Intermittent
<b>P0800</b>	Transfer Case Control System (MIL Request)
<b>P0801</b>	Reverse Inhibit Control Circuit
<b>P0802</b>	Transmission Control System MIL Request Circuit/Open
<b>P0803</b>	1-4 Upshift (Skip Shift) Solenoid Control Circuit
<b>P0804</b>	1-4 Upshift (Skip Shift) Lamp Control Circuit
<b>P0805</b>	Clutch Position Sensor Circuit
<b>P0806</b>	Clutch Position Sensor Circuit Range/Performance
<b>P0807</b>	Clutch Position Sensor Circuit Low
<b>P0807</b>	Clutch Position Sensor “A” Circuit Low
<b>P0808</b>	Clutch Position Sensor Circuit High
<b>P0808</b>	Clutch Position Sensor “A” Circuit High
<b>P0809</b>	Clutch Position Sensor Circuit Intermittent
<b>P0810</b>	Clutch Position Control Error
<b>P0811</b>	Excessive Clutch Slippage
<b>P0812</b>	Reverse Input Circuit
<b>P0813</b>	Reverse Output Circuit
<b>P0813</b>	Reverse Sequence Valve Stick
<b>P0814</b>	Transmission Range Display Circuit
<b>P0815</b>	Upshift Switch Circuit
<b>P0816</b>	Downshift Switch Circuit
<b>P0817</b>	Starter Disable Circuit
<b>P0818</b>	Driveline Disconnect Switch Input Circuit
<b>P0819</b>	Up and Down Shift Switch to Transmission Range Correlation
<b>P0820</b>	Gear Lever X-Y Position Sensor Circuit
<b>P0821</b>	Gear Lever X Position Circuit
<b>P0822</b>	Gear Lever Y Position Circuit
<b>P0823</b>	Gear Lever X Position Circuit Intermittent
<b>P0824</b>	Gear Lever Y Position Circuit Intermittent
<b>P0825</b>	Gear Lever Push-Pull Switch (Shift Anticipate)
<b>P0826</b>	Up and Down Shift Switch Circuit
<b>P0827</b>	Up and Down Shift Switch Circuit Low
<b>P0828</b>	Up and Down Shift Switch Circuit High
<b>P0829</b>	5-6 Shift

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0830</b>	Clutch Pedal Switch “A” Circuit
<b>P0831</b>	Clutch Pedal Switch “A” Circuit Low
<b>P0832</b>	Clutch Pedal Switch “A” Circuit High
<b>P0833</b>	Clutch Pedal Switch “B” Circuit
<b>P0834</b>	Clutch Pedal Switch “B” Circuit Low
<b>P0835</b>	Clutch Pedal Switch “B” Circuit High
<b>P0836</b>	Four Wheel Drive (4WD) Switch Circuit
<b>P0837</b>	Four Wheel Drive (4WD) Switch Circuit Range/Performance
<b>P0838</b>	Four Wheel Drive (4WD) Switch Circuit Low
<b>P0839</b>	Four Wheel Drive (4WD) Switch Circuit High
<b>P0840</b>	Transmission Fluid Pressure Sensor/Switch “A” Circuit
<b>P0841</b>	Transmission Fluid Pressure Sensor/Switch “A” Circuit Range/Performance
<b>P0841</b>	Transmission Fluid Pressure Sensor/Switch A Circuit Range/Performance
<b>P0842</b>	Transmission Fluid Pressure Sensor/Switch “A” Circuit Low
<b>P0843</b>	Transmission Fluid Pressure Sensor/Switch “A” Circuit High
<b>P0844</b>	Transmission Fluid Pressure Sensor/Switch “A” Circuit Intermittent
<b>P0845</b>	Transmission Fluid Pressure Sensor/Switch “B” Circuit
<b>P0846</b>	Transmission Fluid Pressure Sensor/Switch “B” Circuit Range/Performance
<b>P0847</b>	Transmission Fluid Pressure Sensor/Switch “B” Circuit Low
<b>P0848</b>	Transmission Fluid Pressure Sensor/Switch “B” Circuit High
<b>P0849</b>	Transmission Fluid Pressure Sensor/Switch “B” Circuit Intermittent
<b>P0850</b>	Park/Neutral Switch Input Circuit
<b>P0851</b>	Park/Neutral Switch Input Circuit Low
<b>P0852</b>	Park/Neutral Switch Input Circuit High
<b>P0853</b>	Drive Switch Input Circuit
<b>P0854</b>	Drive Switch Input Circuit Low
<b>P0855</b>	Drive Switch Input Circuit High
<b>P0856</b>	Traction Control Input Signal
<b>P0857</b>	Traction Control Input Signal Range/Performance
<b>P0858</b>	Traction Control Input Signal Low
<b>P0859</b>	Traction Control Input Signal High
<b>P0860</b>	Gear Shift Module Communication Circuit
<b>P0861</b>	Gear Shift Module Communication Circuit Low
<b>P0862</b>	Gear Shift Module Communication Circuit High
<b>P0863</b>	TCM Communication Circuit

Trouble code	Fault location
<b>P0864</b>	TCM Communication Circuit Range/Performance
<b>P0865</b>	TCM Communication Circuit Low
<b>P0866</b>	TCM Communication Circuit High
<b>P0867</b>	Transmission Fluid Pressure
<b>P0868</b>	Transmission Fluid Pressure Low
<b>P0869</b>	Transmission Fluid Pressure High
<b>P0870</b>	Transmission Fluid Pressure Sensor/Switch “C” Circuit
<b>P0871</b>	Transmission Fluid Pressure Sensor/Switch “C” Circuit Range/Performance
<b>P0872</b>	Transmission Fluid Pressure Sensor/Switch “C” Circuit Low
<b>P0873</b>	Transmission Fluid Pressure Sensor/Switch “C” Circuit High
<b>P0874</b>	Transmission Fluid Pressure Sensor/Switch “C” Circuit Intermittent
<b>P0875</b>	Transmission Fluid Pressure Sensor/Switch “D” Circuit
<b>P0876</b>	Transmission Fluid Pressure Sensor/Switch “D” Circuit Range/Performance
<b>P0877</b>	Transmission Fluid Pressure Sensor/Switch “D” Circuit Low
<b>P0878</b>	Transmission Fluid Pressure Sensor/Switch “D” Circuit High
<b>P0879</b>	Transmission Fluid Pressure Sensor/Switch “D” Circuit Intermittent
<b>P0880</b>	TCM Power Input Signal
<b>P0880</b>	TCM Power Signal Error Open/Short (GND)
<b>P0880</b>	TCM Power Relay Control Circuit/Open
<b>P0880</b>	TCU Communication Line Error or TCU Malfunction
<b>P0881</b>	TCM Power Input Signal Range/Performance
<b>P0882</b>	TCM Power Input Signal Low
<b>P0882</b>	Battery Voltage Low Supply
<b>P0883</b>	TCM Power Input Signal High
<b>P0883</b>	Battery Voltage High Supply
<b>P0884</b>	TCM Power Input Signal Intermittent
<b>P0885</b>	TCM Power Relay Control Circuit/Open
<b>P0885</b>	TCM Power Relay Open or Short (Ground)
<b>P0886</b>	TCM Power Relay Control Circuit Low
<b>P0887</b>	TCM Power Relay Control Circuit High
<b>P0888</b>	TCM Power Relay Sense Circuit
<b>P0888</b>	Clutch Pedal Switch “A” Circuit
<b>P0889</b>	TCM Power Relay Sense Circuit Range/Performance
<b>P0889</b>	TCM Power Supply to Solenoid Circuit Range/Performance
<b>P0890</b>	TCM Power Relay Sense Circuit Low

Trouble code	Fault location
<b>P0890</b>	TCM Power Relay Circuit Low
<b>P0891</b>	TCM Power Relay Sense Circuit High
<b>P0891</b>	TCM Power Relay Circuit High
<b>P0892</b>	TCM Power Relay Sense Circuit Intermittent
<b>P0892</b>	TCM Power Supply to Solenoid Valve Circuit - Open
<b>P0893</b>	Multiple Gears Engaged
<b>P0894</b>	Transmission Component Slipping
<b>P0895</b>	Shift Time Too Short
<b>P0896</b>	Shift Time Too Long
<b>P0897</b>	Transmission Fluid Deteriorated
<b>P0898</b>	Transmission Control System MIL Request Circuit Low
<b>P0899</b>	Transmission Control System MIL Request Circuit High
<b>P0900</b>	Clutch Actuator Circuit/Open
<b>P0900</b>	Clutch Actuator “A” Circuit/open
<b>P0901</b>	Clutch Actuator Circuit Range/Performance
<b>P0902</b>	Clutch Actuator Circuit Low
<b>P0903</b>	Clutch Actuator Circuit High
<b>P0904</b>	Gate Select Position Circuit
<b>P0905</b>	Gate Select Position Circuit Range/Performance
<b>P0906</b>	Gate Select Position Circuit Low
<b>P0907</b>	Gate Select Position Circuit High
<b>P0908</b>	Gate Select Position Circuit Intermittent
<b>P0909</b>	Gate Select Control Error
<b>P0910</b>	Gate Select Actuator Circuit/Open
<b>P0911</b>	Gate Select Actuator Circuit Range/Performance
<b>P0912</b>	Gate Select Actuator Circuit Low
<b>P0913</b>	Gate Select Actuator Circuit High
<b>P0914</b>	Gear Shift Position Circuit
<b>P0915</b>	Gear Shift Position Circuit Range/Performance
<b>P0916</b>	Gear Shift Position Circuit Low
<b>P0917</b>	Gear Shift Position Circuit High
<b>P0918</b>	Gear Shift Position Circuit Intermittent
<b>P0919</b>	Gear Shift Position Control Error
<b>P0920</b>	Gear Shift Forward Actuator Circuit/Open
<b>P0921</b>	Gear Shift Forward Actuator Circuit Range/Performance
<b>P0922</b>	Gear Shift Forward Actuator Circuit Low
<b>P0923</b>	Gear Shift Forward Actuator Circuit High
<b>P0924</b>	Gear Shift Reverse Actuator Circuit/Open



# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0925</b>	Gear Shift Reverse Actuator Circuit Range/Performance
<b>P0926</b>	Gear Shift Reverse Actuator Circuit Low
<b>P0927</b>	Gear Shift Reverse Actuator Circuit High
<b>P0928</b>	Gear Shift Lock Solenoid Control Circuit/Open
<b>P0929</b>	Gear Shift Lock Solenoid Control Circuit Range/Performance
<b>P0930</b>	Gear Shift Lock Solenoid Control Circuit Low
<b>P0931</b>	Gear Shift Lock Solenoid Control Circuit High
<b>P0932</b>	Hydraulic Pressure Sensor Circuit
<b>P0933</b>	Hydraulic Pressure Sensor Range/Performance
<b>P0934</b>	Hydraulic Pressure Sensor Circuit Low
<b>P0935</b>	Hydraulic Pressure Sensor Circuit High
<b>P0936</b>	Hydraulic Pressure Sensor Circuit Intermittent
<b>P0937</b>	Hydraulic Oil Temperature Sensor Circuit
<b>P0938</b>	Hydraulic Oil Temperature Sensor Range/Performance
<b>P0939</b>	Hydraulic Oil Temperature Sensor Circuit Low
<b>P0940</b>	Hydraulic Oil Temperature Sensor Circuit High
<b>P0941</b>	Hydraulic Oil Temperature Sensor Circuit Intermittent
<b>P0942</b>	Hydraulic Pressure Unit
<b>P0942</b>	Neutral Condition At D Range
<b>P0943</b>	Hydraulic Pressure Unit Cycling Period Too Short
<b>P0944</b>	Hydraulic Pressure Unit Loss of Pressure
<b>P0945</b>	Hydraulic Pump Relay Circuit/Open
<b>P0946</b>	Hydraulic Pump Relay Circuit Range/Performance
<b>P0947</b>	Hydraulic Pump Relay Circuit Low
<b>P0948</b>	Hydraulic Pump Relay Circuit High
<b>P0949</b>	Auto Shift Manual Adaptive Learning Not Complete
<b>P0950</b>	Auto Shift Manual Control Circuit
<b>P0951</b>	Auto Shift Manual Control Circuit Range/Performance
<b>P0952</b>	Auto Shift Manual Control Circuit Low
<b>P0953</b>	Auto Shift Manual Control Circuit High
<b>P0954</b>	Auto Shift Manual Control Circuit Intermittent
<b>P0955</b>	Auto Shift Manual Mode Circuit
<b>P0956</b>	Auto Shift Manual Mode Circuit Range/Performance
<b>P0957</b>	Auto Shift Manual Mode Circuit Low
<b>P0958</b>	Auto Shift Manual Mode Circuit High
<b>P0959</b>	Auto Shift Manual Mode Circuit Intermittent
<b>P0960</b>	Pressure Control Solenoid "A" Control Circuit/Open
<b>P0961</b>	Pressure Control Solenoid "A" Control Circuit Range/Performance

Trouble code	Fault location
<b>P0961</b>	SLT Liner Feedback Current Stick
<b>P0961</b>	Line Pressure Control Solenoid Valve Feedback Current Stuck(SLT)
<b>P0962</b>	Pressure Control Solenoid "A" Control Circuit Low
<b>P0962</b>	SLT GND Short/Open
<b>P0962</b>	Line Pressure Control Solenoid Valve Circuit Low (SLT)
<b>P0963</b>	Pressure Control Solenoid "A" Control Circuit High
<b>P0963</b>	SLT +B Short
<b>P0963</b>	Line Pressure Control Solenoid Valve Circuit High (SLT)
<b>P0964</b>	Pressure Control Solenoid "B" Control Circuit/Open
<b>P0965</b>	Pressure Control Solenoid "B" Control Circuit Range/Performance
<b>P0965</b>	Clutch Pressure Control Solenoid Valve Feedback Current Stuck(SL2)
<b>P0966</b>	Pressure Control Solenoid "B" Control Circuit Low
<b>P0966</b>	Clutch Pressure Control Solenoid Valve Circuit Low(SL2)
<b>P0967</b>	Pressure Control Solenoid "B" Control Circuit High
<b>P0967</b>	Clutch Pressure Control Solenoid Valve Circuit High(SL2)
<b>P0968</b>	Pressure Control Solenoid "C" Control Circuit/Open
<b>P0969</b>	Pressure Control Solenoid "C" Control Circuit Range/Performance
<b>P0969</b>	Clutch Pressure Control Solenoid Valve Feedback Current Stuck(SL1)
<b>P0970</b>	Pressure Control Solenoid "C" Control Circuit Low
<b>P0970</b>	Clutch Pressure Control Solenoid Valve Circuit Low(SL1)
<b>P0971</b>	Pressure Control Solenoid "C" Control Circuit High
<b>P0971</b>	Clutch Pressure Control Solenoid Valve Circuit High(SL1)
<b>P0972</b>	Shift Solenoid "A" Control Circuit Range/Performance
<b>P0973</b>	Shift Solenoid "A" Control Circuit Low
<b>P0973</b>	Solenoid NO.1 Circuit GND Short
<b>P0973</b>	Shift Control Solenoid Valve "A" Circuit Low(S1)
<b>P0974</b>	Shift Solenoid "A" Control Circuit High
<b>P0974</b>	Solenoid NO.1 Circuit +B Short/OPEN
<b>P0974</b>	Shift Control Solenoid Valve "A" Circuit High(S1)
<b>P0975</b>	Shift Solenoid "B" Control Circuit Range/Performance
<b>P0976</b>	Shift Solenoid "B" Control Circuit Low
<b>P0976</b>	S2 Solenoid GND Short
<b>P0976</b>	Shift Control Solenoid Valve "B" Circuit Low(S2)
<b>P0977</b>	Shift Solenoid "B" Control Circuit High
<b>P0977</b>	S2 Solenoid +B Short/OPEN

Trouble code	Fault location
<b>P0977</b>	Shift Control Solenoid Valve "B" Circuit High(S2)
<b>P0978</b>	Shift Solenoid "C" Control Circuit Range/Performance
<b>P0978</b>	SLC1 Linear Feedback Current Stick
<b>P0979</b>	Shift Solenoid "C" Control Circuit Low
<b>P0979</b>	SLC1 GND Short/Open
<b>P0979</b>	Shift Control Solenoid Valve "C" Circuit Low(S3)
<b>P0980</b>	Shift Solenoid "C" Control Circuit High
<b>P0980</b>	SLC1 +B Short
<b>P0980</b>	Shift Control Solenoid Valve "C" Circuit High(S3)
<b>P0981</b>	Shift Solenoid "D" Control Circuit Range/Performance
<b>P0981</b>	SLC2 Linear Feedback Current Stick
<b>P0982</b>	Shift Solenoid "D" Control Circuit Low
<b>P0982</b>	SLC2 GND Short/Open
<b>P0982</b>	Shift Control Solenoid Valve "D" Circuit Low(S4)
<b>P0983</b>	Shift Solenoid "D" Control Circuit High
<b>P0983</b>	SLC2 +B Short
<b>P0983</b>	Shift Control Solenoid Valve "D" Circuit High(S4)
<b>P0984</b>	Shift Solenoid "E" Control Circuit Range/Performance
<b>P0984</b>	SLC3 Linear Feedback Current Stick
<b>P0985</b>	Shift Solenoid "E" Control Circuit Low
<b>P0985</b>	SLC3 GND Short/Open
<b>P0985</b>	Shift Control Solenoid Valve "E" Circuit Low(SR)
<b>P0986</b>	Shift Solenoid "E" Control Circuit High
<b>P0986</b>	SLC3 +B Short
<b>P0986</b>	Shift Control Solenoid Valve "E" Circuit High(SR)
<b>P0987</b>	Transmission Fluid Pressure Sensor/Switch "E" Circuit
<b>P0988</b>	Transmission Fluid Pressure Sensor/Switch "E" Circuit Range/Performance
<b>P0989</b>	Transmission Fluid Pressure Sensor/Switch "E" Circuit Low
<b>P0990</b>	Transmission Fluid Pressure Sensor/Switch "E" Circuit High
<b>P0991</b>	Transmission Fluid Pressure Sensor/Switch "E" Circuit Intermittent
<b>P0992</b>	Transmission Fluid Pressure Sensor/Switch "F" Circuit
<b>P0993</b>	Transmission Fluid Pressure Sensor/Switch "F" Circuit Range/Performance
<b>P0994</b>	Transmission Fluid Pressure Sensor/Switch "F" Circuit Low
<b>P0995</b>	Transmission Fluid Pressure Sensor/Switch "F" Circuit High
<b>P0996</b>	Transmission Fluid Pressure Sensor/Switch "F" Circuit Intermittent

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0997</b>	Shift Solenoid “F” Control Circuit Range/Performance
<b>P0997</b>	SLB1 Lineir Feedback Current Stick
<b>P0998</b>	Shift Solenoid “F” Control Circuit Low
<b>P0998</b>	SLB GND Short/Open
<b>P0999</b>	Shift Solenoid “F” Control Circuit High
<b>P0999</b>	SLB +B Short

## Alpha/Numeric OBD-II Codes

<b>P000A</b>	A Camshaft Position Slow Response Bank 1
<b>P000B</b>	B Camshaft Position Slow Response Bank 1
<b>P000C</b>	A Camshaft Position Slow Response Bank 2
<b>P000D</b>	B Camshaft Position Slow Response Bank 2
<b>P000E</b>	Fuel Volume Regulator Control Exceeded Learning Limit
<b>P000F</b>	Fuel System Over Pressure Relief Valve Activated
<b>P001A</b>	A Camshaft Profile Control Circuit/Open Bank 1
<b>P001B</b>	A Camshaft Profile Control Circuit Low Bank 1
<b>P001C</b>	A Camshaft Profile Control Circuit High Bank 1
<b>P001D</b>	A Camshaft Profile Control Circuit/Open Bank 2
<b>P001E</b>	A Camshaft Profile Control Circuit Low Bank 2
<b>P001F</b>	A Camshaft Profile Control Circuit High Bank 2
<b>P002A</b>	B Camshaft Profile Control Circuit/Open Bank 1
<b>P002B</b>	B Camshaft Profile Control Circuit Low Bank 1
<b>P002C</b>	B Camshaft Profile Control Circuit High Bank 1
<b>P002D</b>	B Camshaft Profile Control Circuit/Open Bank 2
<b>P002E</b>	B Camshaft Profile Control Circuit Low Bank 2
<b>P002F</b>	B Camshaft Profile Control Circuit High Bank 2
<b>P003A</b>	Turbocharger/Supercharger Boost Control “A” Position Exceeded Learning Limit
<b>P003B</b>	Turbocharger/Supercharger Boost Control “B” Position Exceeded Learning Limit
<b>P003C</b>	A Camshaft Profile Control Performance/Stuck Off Bank 1
<b>P003D</b>	A Camshaft Profile Control Stuck On Bank 1
<b>P003E</b>	A Camshaft Profile Control Performance/Stuck Off Bank 2
<b>P003F</b>	A Camshaft Profile Control Stuck On Bank 2
<b>P004A</b>	Turbocharger/Supercharger Boost Control “B” Circuit/Open
<b>P004B</b>	Turbocharger/Supercharger Boost Control “B” Circuit Range/Performance
<b>P004C</b>	Turbocharger/Supercharger Boost Control “B” Circuit Low
<b>P004D</b>	Turbocharger/Supercharger Boost Control “B” Circuit High

Trouble code	Fault location
<b>P004E</b>	Turbocharger/Supercharger Boost Control “A” Circuit Intermittent/Erratic
<b>P004F</b>	Turbocharger/Supercharger Boost Control “B” Circuit Intermittent/Erratic
<b>P005A</b>	B Camshaft Profile Control Performance/Stuck Off Bank 1
<b>P005B</b>	B Camshaft Profile Control Stuck On Bank 1
<b>P005C</b>	B Camshaft Profile Control Performance/Stuck Off Bank 2
<b>P005D</b>	B Camshaft Profile Control Stuck On Bank 2
<b>P005E</b>	Turbocharger/Supercharger Boost Control “B” Supply Voltage Circuit Low
<b>P005F</b>	Turbocharger/Supercharger Boost Control “B” Supply Voltage Circuit High
<b>P006A</b>	MAP - Mass or Volume Air Flow Correlation Bank 1
<b>P006B</b>	MAP - Exhaust Pressure Correlation
<b>P006C</b>	MAP - Turbocharger/Supercharger Inlet Pressure Correlation
<b>P006D</b>	Barometric Pressure - Turbocharger/Supercharger Inlet Pressure Correlation
<b>P006E</b>	Turbocharger/Supercharger Boost Control “A” Supply Voltage Circuit Low
<b>P006F</b>	Turbocharger/Supercharger Boost Control “A” Supply Voltage Circuit High
<b>P007A</b>	Charge Air Cooler Temperature Sensor Circuit Bank 1
<b>P007B</b>	Charge Air Cooler Temperature Sensor Circuit Range/Performance Bank 1
<b>P007C</b>	Charge Air Cooler Temperature Sensor Circuit Low Bank 1
<b>P007D</b>	Charge Air Cooler Temperature Sensor Circuit High Bank 1
<b>P007E</b>	Charge Air Cooler Temperature Sensor Circuit Intermittent/Erratic Bank 1
<b>P007F</b>	Charge Air Cooler Temperature Sensor Bank1/Bank2 Correlation
<b>P008A</b>	Low Pressure Fuel System Pressure - Too Low
<b>P008B</b>	Low Pressure Fuel System Pressure - Too High
<b>P008C</b>	Fuel Cooler Pump Control Circuit/Open
<b>P008D</b>	Fuel Cooler Pump Control Circuit Low
<b>P008E</b>	Fuel Cooler Pump Control Circuit High
<b>P008F</b>	Engine Coolant Temperature/Fuel Temperature Correlation
<b>P009A</b>	Intake Air Temperature/Ambient Air Temperature Correlation
<b>P009B</b>	Fuel Pressure Relief Control Circuit/Open
<b>P009C</b>	Fuel Pressure Relief Control Circuit Low
<b>P009D</b>	Fuel Pressure Relief Control Circuit High
<b>P009E</b>	Fuel Pressure Relief Control Performance/Stuck Off

Trouble code	Fault location
<b>P009F</b>	Fuel Pressure Relief Control Stuck On
<b>P010A</b>	Mass or Volume Air Flow “B” Circuit
<b>P010B</b>	Mass or Volume Air Flow “B” Circuit Range/Performance
<b>P010C</b>	Mass or Volume Air Flow “B” Circuit Low
<b>P010D</b>	Mass or Volume Air Flow “B” Circuit High
<b>P010E</b>	Mass or Volume Air Flow “B” Circuit Intermittent/Erratic
<b>P010F</b>	Mass or Volume Air Flow Sensor A/B Correlation
<b>P011A</b>	Engine Coolant Temperature Sensor 1/2 Correlation
<b>P011B</b>	Engine Coolant Temperature/Intake Air Temperature Correlation
<b>P011C</b>	Charge Air Temperature/Intake Air Temperature Correlation Bank 1
<b>P011D</b>	Charge Air Temperature/Intake Air Temperature Correlation Bank 2
<b>P012A</b>	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Downstream of throttle valve
<b>P012B</b>	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Range/Performance Downstream of throttle valve
<b>P012C</b>	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Low Downstream of throttle valve
<b>P012D</b>	Turbocharger/Supercharger Inlet Pressure Sensor Circuit High Downstream of throttle valve
<b>P012E</b>	Turbocharger/Supercharger Inlet Pressure Sensor Circuit Intermittent/Erratic Downstream of throttle valve
<b>P013A</b>	O2 Sensor Slow Response - Rich to Lean Bank 1 Sensor 2
<b>P013B</b>	O2 Sensor Slow Response - Lean to Rich Bank 1 Sensor 2
<b>P013C</b>	O2 Sensor Slow Response - Rich to Lean Bank 2 Sensor 2
<b>P013D</b>	O2 Sensor Slow Response - Lean to Rich Bank 2 Sensor 2
<b>P013E</b>	O2 Sensor Delayed Response - Rich to Lean Bank 1 Sensor 2
<b>P013F</b>	O2 Sensor Delayed Response - Lean to Rich Bank 1 Sensor 2
<b>P014A</b>	O2 Sensor Delayed Response - Rich to Lean Bank 2 Sensor 2
<b>P014B</b>	O2 Sensor Delayed Response - Lean to Rich Bank 2 Sensor 2
<b>P014C</b>	O2 Sensor Slow Response - Rich to Lean Bank 1 Sensor 1
<b>P014D</b>	O2 Sensor Slow Response - Lean to Rich Bank 1 Sensor 1
<b>P014E</b>	O2 Sensor Slow Response - Rich to Lean Bank 2 Sensor 1
<b>P014F</b>	O2 Sensor Slow Response - Lean to Rich Bank 2 Sensor 1
<b>P015A</b>	O2 Sensor Delayed Response - Rich to Lean Bank 1 Sensor 1
<b>P015B</b>	O2 Sensor Delayed Response - Lean to Rich Bank 1 Sensor 1
<b>P015C</b>	O2 Sensor Delayed Response - Rich to Lean Bank 2 Sensor 1
<b>P015D</b>	O2 Sensor Delayed Response - Lean to Rich Bank 2 Sensor 1
<b>P018A</b>	Fuel Pressure Sensor “B” Circuit

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P018B</b>	Fuel Pressure Sensor “B” Circuit Range/Performance
<b>P018C</b>	Fuel Pressure Sensor “B” Circuit Low
<b>P018D</b>	Fuel Pressure Sensor “B” Circuit High
<b>P018E</b>	Fuel Pressure Sensor “B” Circuit Intermittent/Erratic
<b>P018F</b>	Fuel System Over Pressure Relief Valve Frequent Activation
<b>P02A0</b>	Cylinder 2 - Injector Restricted
<b>P02A1</b>	Cylinder 2 - Injector Leaking
<b>P02A2</b>	Cylinder 3 - Fuel Trim at Max Limit
<b>P02A3</b>	Cylinder 3 - Fuel Trim at Min Limit
<b>P02A4</b>	Cylinder 3 - Injector Restricted
<b>P02A5</b>	Cylinder 3 - Injector Leaking
<b>P02A6</b>	Cylinder 4 - Fuel Trim at Max Limit
<b>P02A7</b>	Cylinder 4 - Fuel Trim at Min Limit
<b>P02A8</b>	Cylinder 4 - Injector Restricted
<b>P02A9</b>	Cylinder 4 - Injector Leaking
<b>P02AA</b>	Cylinder 5 - Fuel Trim at Max Limit
<b>P02AB</b>	Cylinder 5 - Fuel Trim at Min Limit
<b>P02AC</b>	Cylinder 5 - Injector Restricted
<b>P02AD</b>	Cylinder 5 - Injector Leaking
<b>P02AE</b>	Cylinder 6 - Fuel Trim at Max Limit
<b>P02AF</b>	Cylinder 6 - Fuel Trim at Min Limit
<b>P02B0</b>	Cylinder 6 - Injector Restricted
<b>P02B1</b>	Cylinder 6 - Injector Leaking
<b>P02B2</b>	Cylinder 7 - Fuel Trim at Max Limit
<b>P02B3</b>	Cylinder 7 - Fuel Trim at Min Limit
<b>P02B4</b>	Cylinder 7 - Injector Restricted
<b>P02B5</b>	Cylinder 7 - Injector Leaking
<b>P02B6</b>	Cylinder 8 - Fuel Trim at Max Limit
<b>P02B7</b>	Cylinder 8 - Fuel Trim at Min Limit
<b>P02B8</b>	Cylinder 8 - Injector Restricted
<b>P02B9</b>	Cylinder 8 - Injector Leaking
<b>P02CA</b>	Turbocharger/Supercharger “B” Overboost Condition
<b>P02CB</b>	Turbocharger/Supercharger “B” Underboost Condition
<b>P02CC</b>	Cylinder 1 Fuel Injector Offset Learning At Min Limit
<b>P02CD</b>	Cylinder 1 Fuel Injector Offset Learning At Max Limit
<b>P02CE</b>	Cylinder 2 Fuel Injector Offset Learning At Min Limit
<b>P02CF</b>	Cylinder 2 Fuel Injector Offset Learning At Max Limit
<b>P02D0</b>	Cylinder 3 Fuel Injector Offset Learning At Min Limit

Trouble code	Fault location
<b>P02D1</b>	Cylinder 3 Fuel Injector Offset Learning At Max Limit
<b>P02D2</b>	Cylinder 4 Fuel Injector Offset Learning At Min Limit
<b>P02D3</b>	Cylinder 4 Fuel Injector Offset Learning At Max Limit
<b>P02D4</b>	Cylinder 5 Fuel Injector Offset Learning At Min Limit
<b>P02D5</b>	Cylinder 5 Fuel Injector Offset Learning At Max Limit
<b>P02D6</b>	Cylinder 6 Fuel Injector Offset Learning At Min Limit
<b>P02D7</b>	Cylinder 6 Fuel Injector Offset Learning At Max Limit
<b>P02D8</b>	Cylinder 7 Fuel Injector Offset Learning At Min Limit
<b>P02D9</b>	Cylinder 7 Fuel Injector Offset Learning At Max Limit
<b>P02DA</b>	Cylinder 8 Fuel Injector Offset Learning At Min Limit
<b>P02DB</b>	Cylinder 8 Fuel Injector Offset Learning At Max Limit
<b>P02EE</b>	Cylinder 1 Injector Circuit Range/Performance
<b>P02EF</b>	Cylinder 2 Injector Circuit Range/Performance
<b>P02F0</b>	Cylinder 3 Injector Circuit Range/Performance
<b>P02F1</b>	Cylinder 4 Injector Circuit Range/Performance
<b>P02F2</b>	Cylinder 5 Injector Circuit Range/Performance
<b>P02F3</b>	Cylinder 6 Injector Circuit Range/Performance
<b>P02F4</b>	Cylinder 7 Injector Circuit Range/Performance
<b>P02F5</b>	Cylinder 8 Injector Circuit Range/Performance
<b>P020A</b>	Cylinder 1 Injection Timing
<b>P020A</b>	Cylinder 1 Injector Timing (Injector Input Line Circuit Error)
<b>P020B</b>	Cylinder 2 Injection Timing
<b>P020B</b>	Cylinder 2 Injector Timing (Injector Input Line Circuit Error)
<b>P020C</b>	Cylinder 3 Injection Timing
<b>P020C</b>	Cylinder 3 Injector Timing (Injector Input Line Circuit Error)
<b>P020D</b>	Cylinder 4 Injection Timing
<b>P020D</b>	Cylinder 4 Injector Timing (Injector Input Line Circuit Error)
<b>P020E</b>	Cylinder 5 Injection Timing
<b>P020E</b>	Cylinder 5 Injector Timing (Injector Input Line Circuit Error)
<b>P020F</b>	Cylinder 6 Injection Timing
<b>P020F</b>	Cylinder 6 Injector Timing (Injector Input Line Circuit Error)
<b>P021A</b>	Cylinder 7 Injection Timing
<b>P021B</b>	Cylinder 8 Injection Timing
<b>P022A</b>	Charge Air Cooler Bypass Control “A” Circuit /Open
<b>P022B</b>	Charge Air Cooler Bypass Control “A” Circuit Low
<b>P022C</b>	Charge Air Cooler Bypass Control “A” Circuit High
<b>P022D</b>	Charge Air Cooler Bypass Control “B” Circuit /Open
<b>P022E</b>	Charge Air Cooler Bypass Control “B” Circuit Low

Trouble code	Fault location
<b>P022F</b>	Charge Air Cooler Bypass Control “B” Circuit High
<b>P023A</b>	Charge Air Cooler Coolant Pump Control Circuit/Open
<b>P023B</b>	Charge Air Cooler Coolant Pump Control Circuit Low
<b>P023C</b>	Charge Air Cooler Coolant Pump Control Circuit High
<b>P023D</b>	Manifold Absolute Pressure - Turbocharger/Supercharger Boost Sensor “A” Correlation
<b>P023E</b>	Manifold Absolute Pressure - Turbocharger/Supercharger Boost Sensor “B” Correlation
<b>P023F</b>	Fuel Pump Secondary Circuit/Open
<b>P025A</b>	Fuel Pump Module Control Circuit/Open
<b>P025B</b>	Fuel Pump Module Control Circuit Range/Performance
<b>P025C</b>	Fuel Pump Module Control Circuit Low
<b>P025D</b>	Fuel Pump Module Control Circuit High
<b>P029A</b>	Cylinder 1 - Fuel Trim at Max Limit
<b>P029B</b>	Cylinder 1 - Fuel Trim at Min Limit
<b>P029C</b>	Cylinder 1 - Injector Restricted
<b>P029D</b>	Cylinder 1 - Injector Leaking
<b>P029E</b>	Cylinder 2 - Fuel Trim at Max Limit
<b>P029F</b>	Cylinder 2 - Fuel Trim at Min Limit
<b>P032A</b>	Knock Sensor 3 Circuit Bank 1
<b>P032B</b>	Knock Sensor 3 Circuit Range/Performance Bank 1
<b>P032C</b>	Knock Sensor 3 Circuit Low Bank 1
<b>P032C</b>	Knock Sensor 3 Circuit Low (Bank 1)
<b>P032D</b>	Knock Sensor 3 Circuit High Bank 1
<b>P032D</b>	Knock Sensor 3 Circuit High (Bank 1)
<b>P032E</b>	Knock Sensor 3 Circuit Intermittent Bank 1
<b>P033A</b>	Knock Sensor 4 Circuit Bank 2
<b>P033B</b>	Knock Sensor 4 Circuit Range/Performance Bank 2
<b>P033C</b>	Knock Sensor 4 Circuit Low Bank 2
<b>P033D</b>	Knock Sensor 4 Circuit High Bank 2
<b>P033E</b>	Knock Sensor 4 Circuit Intermittent Bank 2
<b>P050A</b>	Cold Start Idle Air Control System Performance
<b>P050A</b>	Cold Start Idle Air Control System Performance
<b>P050B</b>	Cold Start Ignition Timing Performance
<b>P050B</b>	Spark Timing Error
<b>P050B</b>	Cold Start Ignition Timing Performance
<b>P050C</b>	Cold Start Engine Coolant Temperature Performance
<b>P050D</b>	Cold Start Rough Idle
<b>P050E</b>	Cold Start Engine Exhaust Temperature Too Low



# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P050F</b>	Brake Assist Vacuum Too Low
<b>P056A</b>	Cruise Control "Increase Distance" Signal
<b>P056B</b>	Cruise Control "Decrease Distance" Signal
<b>P06A0</b>	Variable A/C Compressor Control Circuit
<b>P06A1</b>	Variable A/C Compressor Control Circuit Low
<b>P06A2</b>	Variable A/C Compressor Control Circuit High
<b>P06A3</b>	Sensor Reference Voltage "D" Circuit/Open
<b>P06A4</b>	Sensor Reference Voltage "D" Circuit Low
<b>P06A4</b>	Sensor Reference Voltage "D" Circuit Low
<b>P06A5</b>	Sensor Reference Voltage "D" Circuit High
<b>P06A5</b>	Sensor Reference Voltage "D" Circuit High
<b>P06A6</b>	Sensor Reference Voltage "A" Circuit Range/Performance
<b>P06A7</b>	Sensor Reference Voltage "B" Circuit Range/Performance
<b>P06A8</b>	Sensor Reference Voltage "C" Circuit Range/Performance
<b>P06A9</b>	Sensor Reference Voltage "D" Circuit Range/Performance
<b>P06AA</b>	PCM/ECM/TCM Internal Temperature "B" Too High
<b>P06AB</b>	PCM/ECM/TCM Internal Temperature Sensor "B" Circuit
<b>P06AC</b>	PCM/ECM/TCM Internal Temperature Sensor "B" Range/Performance
<b>P06AD</b>	PCM/ECM/TCM Internal Temperature Sensor "B" Circuit Low
<b>P06AE</b>	PCM/ECM/TCM Internal Temperature Sensor "B" Circuit High
<b>P06AF</b>	Torque Management System - Forced Engine Shutdown
<b>P06B0</b>	Sensor Power Supply "A" Circuit/Open
<b>P06B1</b>	Sensor Power Supply "A" Circuit Low
<b>P06B2</b>	Sensor Power Supply "A" Circuit High
<b>P06B3</b>	Sensor Power Supply "B" Circuit/Open
<b>P06B4</b>	Sensor Power Supply "B" Circuit Low
<b>P06B5</b>	Sensor Power Supply "B" Circuit High
<b>P06B6</b>	Internal Control Module Knock Sensor Processor 1 Performance
<b>P06B7</b>	Internal Control Module Knock Sensor Processor 2 Performance
<b>P06B8</b>	Internal Control Module Non-Volatile Random Access Memory (NVRAM) Error
<b>P06D1</b>	Internal Control Module Ignition Coil Control Performance
<b>P060A</b>	Internal Control Module Monitoring Processor Performance
<b>P060B</b>	Internal Control Module A/D Processing Performance
<b>P060C</b>	Internal Control Module Main Processor Performance
<b>P060D</b>	Internal Control Module Accelerator Pedal Position Performance

Trouble code	Fault location
<b>P060E</b>	Internal Control Module Throttle Position Performance
<b>P060F</b>	Internal Control Module Coolant Temperature Performance
<b>P061A</b>	Internal Control Module Torque Performance
<b>P061B</b>	Internal Control Module Torque Calculation Performance
<b>P061B</b>	ECM Torque Calculation Performance
<b>P061B</b>	Torque Control Signal Failure
<b>P061C</b>	Internal Control Module Engine RPM Performance
<b>P061D</b>	Internal Control Module Engine Air Mass Performance
<b>P061E</b>	Internal Control Module Brake Signal Performance
<b>P061F</b>	Internal Control Module Throttle Actuator Controller Performance
<b>P062A</b>	Fuel Pump "A" Control Circuit Range/Performance
<b>P062B</b>	Internal Control Module Fuel Injector Control Performance
<b>P062C</b>	Internal Control Module Vehicle Speed Performance
<b>P062D</b>	Fuel Injector Driver Circuit Performance Bank 1
<b>P062E</b>	Fuel Injector Driver Circuit Performance Bank 2
<b>P062F</b>	Internal Control Module EEPROM Error
<b>P068A</b>	ECM/PCM Power Relay De-Energized Performance - Too Early
<b>P068B</b>	ECM/PCM Power Relay De-Energized Performance - Too Late
<b>P069E</b>	Fuel Pump Control Module Requested MIL Illumination
<b>P069F</b>	Throttle Actuator Control Lamp Control Circuit
<b>P07A0</b>	Transmission Friction Element "G" Slip Detected
<b>P07A1</b>	Transmission Friction Element "H" Slip Detected
<b>P07A2</b>	Transmission Friction Element "A" Performance/Stuck Off
<b>P07A3</b>	Transmission Friction Element "A" Stuck On
<b>P07A4</b>	Transmission Friction Element "B" Performance/Stuck Off
<b>P07A5</b>	Transmission Friction Element "B" Stuck On
<b>P07A6</b>	Transmission Friction Element "C" Performance/Stuck Off
<b>P07A7</b>	Transmission Friction Element "C" Stuck On
<b>P07A8</b>	Transmission Friction Element "D" Performance/Stuck Off
<b>P07A9</b>	Transmission Friction Element "D" Stuck On
<b>P07AA</b>	Transmission Friction Element "E" Performance/Stuck Off
<b>P07AB</b>	Transmission Friction Element "E" Stuck On
<b>P07AC</b>	Transmission Friction Element "F" Performance/Stuck Off
<b>P07AD</b>	Transmission Friction Element "F" Stuck On
<b>P07AE</b>	Transmission Friction Element "G" Performance/Stuck Off
<b>P07AF</b>	Transmission Friction Element "G" Stuck On
<b>P07B0</b>	Transmission Friction Element "H" Performance/Stuck Off

Trouble code	Fault location
<b>P07B1</b>	Transmission Friction Element "H" Stuck On
<b>P07B2</b>	Transmission Park Position Sensor/Switch "A" Circuit/Open
<b>P07B3</b>	Transmission Park Position Sensor/Switch "A" Circuit Low
<b>P07B4</b>	Transmission Park Position Sensor/Switch "A" Circuit High
<b>P07B5</b>	Transmission Park Position Sensor/Switch "A" Circuit Performance/Low
<b>P07B5</b>	Transmission Park Position Sensor/Switch "A" Circuit Performance/Low (SBW)
<b>P07B6</b>	Transmission Park Position Sensor/Switch "A" Circuit Performance High
<b>P07B7</b>	Transmission Park Position Sensor/Switch "A" Circuit Intermittent/Erratic
<b>P07B8</b>	Transmission Park Position Sensor/Switch "B" Circuit/Open
<b>P07B9</b>	Transmission Park Position Sensor/Switch "B" Circuit Low
<b>P07BA</b>	Transmission Park Position Sensor/Switch "B" Circuit High
<b>P07BB</b>	Transmission Park Position Sensor/Switch "B" Circuit Performance/Low
<b>P07BC</b>	Transmission Park Position Sensor/Switch "B" Circuit Performance High
<b>P07BD</b>	Transmission Park Position Sensor/Switch "B" Circuit Intermittent/Erratic
<b>P07BE</b>	Transmission Park Position Sensor/Switch "A"/"B" Correlation
<b>P070A</b>	Transmission Fluid Level Sensor Circuit
<b>P070B</b>	Transmission Fluid Level Sensor Circuit Range/Performance
<b>P070C</b>	Transmission Fluid Level Sensor Circuit Low
<b>P070D</b>	Transmission Fluid Level Sensor Circuit High
<b>P070E</b>	Transmission Fluid Level Sensor Circuit intermittent/Erratic
<b>P070F</b>	Transmission Fluid Level Too Low
<b>P071A</b>	Transmission Mode Switch "A" Circuit
<b>P071B</b>	Transmission Mode Switch "A" Circuit Low
<b>P071C</b>	Transmission Mode Switch "A" Circuit High
<b>P071D</b>	Transmission Mode Switch "B" Circuit
<b>P071E</b>	Transmission Mode Switch "B" Circuit Low
<b>P071F</b>	Transmission Mode Switch "B" Circuit High
<b>P072A</b>	Stuck in Neutral
<b>P072B</b>	Stuck In Reverse
<b>P072C</b>	Stuck in Gear 1
<b>P072D</b>	Stuck in Gear 2
<b>P072E</b>	Stuck in Gear 3
<b>P072F</b>	Stuck in Gear 4

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P073A</b>	Stuck in Gear 5
<b>P073B</b>	Stuck in Gear 6
<b>P073C</b>	Stuck in Gear 7
<b>P073D</b>	Unable to Engage Neutral
<b>P073E</b>	Unable to Engage Reverse
<b>P073F</b>	Unable to Engage Gear 1
<b>P074A</b>	Unable To Engage Gear 2
<b>P074A</b>	Unable to Engage Gear 2
<b>P074B</b>	Unable To Engage Gear 3
<b>P074C</b>	Unable to Engage Gear 4
<b>P074D</b>	Unable To Engage Gear 5
<b>P074E</b>	Unable to Engage Gear 6
<b>P074F</b>	Unable To Engage Gear 7
<b>P075A</b>	Shift Solenoid "G"
<b>P075A</b>	ON/OFF Solenoid Circuit [SBC]
<b>P075B</b>	Shift Solenoid "G" Performance/Stuck Off
<b>P075C</b>	Shift Solenoid "G" Stuck On
<b>P075D</b>	Shift Solenoid "G" Electrical
<b>P075D</b>	ON/OFF Solenoid D (PRH) - Electrical
<b>P075E</b>	Shift Solenoid "G" Intermittent
<b>P075F</b>	Transmission Fluid Level Too High
<b>P076A</b>	ON/OFF Solenoid C (Parking) (SBW)
<b>P076B</b>	Shift Solenoid "H" Performance/Stuck Off
<b>P076C</b>	Shift Solenoid "H" Stuck On
<b>P076D</b>	Shift Solenoid "H" Electrical
<b>P076D</b>	ON/OFF Solenoid C (Parking) (SBW)
<b>P076E</b>	Shift Solenoid "H" Intermittent
<b>P076F</b>	Gear 7 Incorrect Ratio
<b>P077A</b>	Output Speed Sensor Circuit - Loss of Direction Signal
<b>P077B</b>	Output Speed Sensor Circuit - Direction Error
<b>P078A</b>	Shift Timing Solenoid "B"
<b>P078A</b>	ON/OFF Solenoid B (Reverse) (SBW)
<b>P078B</b>	Shift Timing Solenoid "B" Range/Performance
<b>P078C</b>	Shift Timing Solenoid "B" Low
<b>P078D</b>	Shift Timing Solenoid "B" High
<b>P078E</b>	Shift Timing Solenoid "B" Intermittent
<b>P079A</b>	Transmission Friction Element "A" Slip Detected
<b>P079B</b>	Transmission Friction Element "B" Slip Detected

Trouble code	Fault location
<b>P079C</b>	Transmission Friction Element "C" Slip Detected
<b>P079D</b>	Transmission Friction Element "D" Slip Detected
<b>P079E</b>	Transmission Friction Element "E" Slip Detected
<b>P079F</b>	Transmission Friction Element "F" Slip Detected
<b>P080A</b>	Clutch Position Not Learned
<b>P080B</b>	Upshift/Skip Shift Solenoid Control Circuit Range/Performance
<b>P080C</b>	Upshift/Skip Shift Solenoid Control Circuit Low
<b>P080D</b>	Upshift/Skip Shift Solenoid Control Circuit High
<b>P081A</b>	Starter Disable Circuit Low
<b>P081B</b>	Starter Disable Circuit High
<b>P081C</b>	Park Input Circuit
<b>P081D</b>	Neutral Input Circuit
<b>P081E</b>	Excessive Clutch "B" Slippage
<b>P082A</b>	Gear Lever X Position Circuit Range/Performance
<b>P082B</b>	Gear Lever X Position Circuit Low
<b>P082C</b>	Gear Lever X Position Circuit High
<b>P082D</b>	Gear Lever Y Position Circuit Range/Performance
<b>P082E</b>	Gear Lever Y Position Circuit Low
<b>P082F</b>	Gear Lever Y Position Circuit High
<b>P083A</b>	Transmission Fluid Pressure Sensor/Switch "G" Circuit
<b>P083B</b>	Transmission Fluid Pressure Sensor/Switch "G" Circuit Range/Performance
<b>P083C</b>	Transmission Fluid Pressure Sensor/Switch "G" Circuit Low
<b>P083D</b>	Transmission Fluid Pressure Sensor/Switch "G" Circuit High
<b>P083E</b>	Transmission Fluid Pressure Sensor/Switch "G" Circuit Intermittent
<b>P083F</b>	Clutch Pedal Switch "A"/"B" Correlation
<b>P084A</b>	Transmission Fluid Pressure Sensor/Switch "H" Circuit
<b>P084B</b>	Transmission Fluid Pressure Sensor/Switch "H" Circuit Range/Performance
<b>P084C</b>	Transmission Fluid Pressure Sensor/Switch "H" Circuit Low
<b>P084D</b>	Transmission Fluid Pressure Sensor/Switch "H" Circuit High
<b>P084E</b>	Transmission Fluid Pressure Sensor/Switch "H" Circuit Intermittent
<b>P084F</b>	Park/Neutral Switch Output Circuit
<b>P085A</b>	Gear Shift Control Module "B" Communication Circuit
<b>P085B</b>	Gear Shift Control Module "B" Communication Circuit Low
<b>P085C</b>	Gear Shift Control Module "B" Communication Circuit High
<b>P085D</b>	Gear Shift Control Module "A" Performance

Trouble code	Fault location
<b>P085E</b>	Gear Shift Control Module "B" Performance
<b>P088A</b>	Transmission Fluid Filter Deteriorated
<b>P088B</b>	Transmission Fluid Filter Very Deteriorated
<b>P092A</b>	Gear Shift Lock Solenoid/Actuator Control Circuit "B"/Open
<b>P092B</b>	Gear Shift Lock Solenoid/Actuator Control Circuit "B" Range/Performance
<b>P092C</b>	Gear Shift Lock Solenoid/Actuator Control Circuit "B" Low
<b>P092D</b>	Gear Shift Lock Solenoid/Actuator Control Circuit "B" High
<b>P099A</b>	Shift Solenoid "G" Control Circuit Range/Performance
<b>P099B</b>	Shift Solenoid "G" Control Circuit Low
<b>P099C</b>	Shift Solenoid "G" Control Circuit High
<b>P099D</b>	Shift Solenoid "H" Control Circuit Range/Performance
<b>P099E</b>	Shift Solenoid "H" Control Circuit Low
<b>P099F</b>	Shift Solenoid "H" Control Circuit High
<b>P00A0</b>	Charge Air Cooler Temperature Sensor Circuit Bank 2
<b>P00A1</b>	Charge Air Cooler Temperature Sensor Circuit Range/Performance Bank 2
<b>P00A2</b>	Charge Air Cooler Temperature Sensor Circuit Low Bank 2
<b>P00A3</b>	Charge Air Cooler Temperature Sensor Circuit High Bank 2
<b>P00A4</b>	Charge Air Cooler Temperature Sensor Circuit Intermittent/Erratic Bank 2
<b>P00A5</b>	Intake Air Temperature Sensor 2 Circuit Bank 2
<b>P00A6</b>	Intake Air Temperature Sensor 2 Circuit Range/Performance Bank 2
<b>P00A7</b>	Intake Air Temperature Sensor 2 Circuit Low Bank 2
<b>P00A8</b>	Intake Air Temperature Sensor 2 Circuit High Bank 2
<b>P00A9</b>	Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic Bank 2
<b>P00AA</b>	Intake Air Temperature Sensor 1 Circuit Bank 2
<b>P00AB</b>	Intake Air Temperature Sensor 1 Circuit Range/Performance Bank 2
<b>P00AC</b>	Intake Air Temperature Sensor 1 Circuit Low Bank 2
<b>P00AD</b>	Intake Air Temperature Sensor 1 Circuit High Bank 2
<b>P00AE</b>	Intake Air Temperature Sensor 1 Circuit Intermittent Bank 2
<b>P00AF</b>	Turbocharger/Supercharger Boost Control "A" Module Performance
<b>P00B0</b>	Turbocharger/Supercharger Boost Control "B" Module Performance
<b>P00B1</b>	Radiator Coolant Temperature Sensor Circuit
<b>P00B2</b>	Radiator Coolant Temperature Sensor Circuit Range/Performance

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P00B3</b>	Radiator Coolant Temperature Sensor Circuit Low
<b>P00B4</b>	Radiator Coolant Temperature Sensor Circuit High
<b>P00B5</b>	Radiator Coolant Temperature Sensor Circuit Intermittent/ Erratic
<b>P00B6</b>	Radiator Coolant Temperature/Engine Coolant Temperature Correlation
<b>P00B7</b>	Engine Coolant Flow Low/Performance
<b>P00B8</b>	MAP - Mass or Volume Air Flow Correlation Bank 2
<b>P00B9</b>	Low Pressure Fuel System Pressure - Too Low, Low Ambient Temperature
<b>P00BA</b>	Low Fuel Pressure - Forced Limited Power
<b>P00BB</b>	Fuel Injector Insufficient Flow - Forced Limited Power
<b>P00BC</b>	Mass or Volume Air Flow "A" Circuit Range/Performance - Air Flow Too Low
<b>P00BD</b>	Mass or Volume Air Flow "A" Circuit Range/Performance - Air Flow Too High
<b>P00BE</b>	Mass or Volume Air Flow "B" Circuit Range/Performance - Air Flow Too Low
<b>P00BF</b>	Mass or Volume Air Flow "B" Circuit Range/Performance - Air Flow Too High
<b>P0A0D</b>	High Voltage System Interlock Circuit High
<b>P0A0F</b>	Engine Failed to start
<b>P0A10</b>	DC/DC Converter Status Circuit High Input
<b>P0A11</b>	DC/DC Converter Enable Circuit/Open
<b>P0A12</b>	DC/DC Converter Enable Circuit Low
<b>P0A13</b>	DC/DC Converter Enable Circuit High
<b>P0A14</b>	Engine Mount Control Circuit/Open
<b>P0A15</b>	Engine Mount Control Circuit Low
<b>P0A16</b>	Engine Mount Control Circuit High
<b>P0A17</b>	Motor Torque Sensor Circuit
<b>P0A18</b>	Motor Torque Sensor Circuit Range/Performance
<b>P0A19</b>	Motor Torque Sensor Circuit Low
<b>P0A1A</b>	Generator Control Module
<b>P0A1B</b>	Drive Motor "A" Control Module
<b>P0A1B</b>	Drive Motor "A" Control Module
<b>P0A1C</b>	Drive Motor "B" Control Module
<b>P0A1D</b>	Hybrid Powertrain Control Module
<b>P0A1E</b>	Starter/Generator Control Module
<b>P0A1F</b>	Battery Energy Control Module
<b>P0A1F</b>	Battery Energy Control Module

Trouble code	Fault location
<b>P0A20</b>	Motor Torque Sensor Circuit High
<b>P0A21</b>	Motor Torque Sensor Circuit Intermittent
<b>P0A22</b>	Generator Torque Sensor Circuit
<b>P0A23</b>	Generator Torque Sensor Circuit Range/Performance
<b>P0A24</b>	Generator Torque Sensor Circuit Low
<b>P0A25</b>	Generator Torque Sensor Circuit High
<b>P0A26</b>	Generator Torque Sensor Circuit Intermittent
<b>P0A27</b>	Battery Power Off Circuit
<b>P0A28</b>	Battery Power Off Circuit Low
<b>P0A29</b>	Battery Power Off Circuit High
<b>P0A2A</b>	Drive Motor "A" Temperature Sensor Circuit
<b>P0A2B</b>	Drive Motor "A" Temperature Sensor Circuit Range/ Performance
<b>P0A2B</b>	Drive Motor "A" Temperature Sensor Circuit Range/ Performance
<b>P0A2C</b>	Drive Motor "A" Temperature Sensor Circuit Low
<b>P0A2C</b>	Drive Motor "A" Temperature Sensor Circuit Low
<b>P0A2D</b>	Drive Motor "A" Temperature Sensor Circuit High
<b>P0A2D</b>	Drive Motor "A" Temperature Sensor Circuit High
<b>P0A2E</b>	Drive Motor "A" Temperature Sensor Circuit Intermittent
<b>P0A2F</b>	Drive Motor "A" Over Temperature
<b>P0A2F</b>	Drive Motor "A" Over Temperature
<b>P0A30</b>	Drive Motor "B" Temperature Sensor Circuit
<b>P0A31</b>	Drive Motor "B" Temperature Sensor Circuit Range/ Performance
<b>P0A32</b>	Drive Motor "B" Temperature Sensor Circuit Low
<b>P0A33</b>	Drive Motor "B" Temperature Sensor Circuit High
<b>P0A34</b>	Drive Motor "B" Temperature Sensor Circuit Intermittent
<b>P0A35</b>	Drive Motor "B" Over Temperature
<b>P0A36</b>	Generator Temperature Sensor Circuit
<b>P0A37</b>	Generator Temperature Sensor Circuit Range/Performance
<b>P0A37</b>	Generator Temperature Sensor Circuit Range/Performance
<b>P0A38</b>	Generator Temperature Sensor Circuit Low
<b>P0A38</b>	Generator Temperature Sensor Circuit Low
<b>P0A39</b>	Generator Temperature Sensor Circuit High
<b>P0A39</b>	Generator Temperature Sensor Circuit High
<b>P0A3A</b>	Generator Temperature Sensor Circuit Intermittent
<b>P0A3B</b>	Generator Over Temperature
<b>P0A3B</b>	Generator Over Temperature

Trouble code	Fault location
<b>P0A3C</b>	Drive Motor "A" Inverter Over Temperature
<b>P0A3C</b>	Drive Motor "A" Inverter Over Temperature
<b>P0A3D</b>	Drive Motor "B" Inverter Over Temperature
<b>P0A3E</b>	Generator Inverter Over Temperature
<b>P0A3E</b>	Generator Inverter Over Temperature
<b>P0A3F</b>	Drive Motor "A" Position Sensor Circuit
<b>P0A40</b>	Drive Motor "A" Position Sensor Circuit Range/Performance
<b>P0A40</b>	Drive Motor "A" Position Sensor Circuit Range/Performance
<b>P0A41</b>	Drive Motor "A" Position Sensor Circuit Low
<b>P0A41</b>	Drive Motor "A" Position Sensor Circuit Low
<b>P0A42</b>	Drive Motor "A" Position Sensor Circuit High
<b>P0A42</b>	Drive Motor "A" Position Sensor Circuit High
<b>P0A43</b>	Drive Motor "A" Position Sensor Circuit Intermittent
<b>P0A44</b>	Drive Motor "A" Position Sensor Circuit Overspeed
<b>P0A45</b>	Drive Motor "B" Position Sensor Circuit
<b>P0A46</b>	Drive Motor "B" Position Sensor Circuit Range/Performance
<b>P0A47</b>	Drive Motor "B" Position Sensor Circuit Low
<b>P0A48</b>	Drive Motor "B" Position Sensor Circuit High
<b>P0A49</b>	Drive Motor "B" Position Sensor Circuit Intermittent
<b>P0A4A</b>	Drive Motor "B" Position Sensor Circuit Overspeed
<b>P0A4B</b>	Generator Position Sensor Circuit
<b>P0A4C</b>	Generator Position Sensor Circuit Range/Performance
<b>P0A4C</b>	Generator Position Sensor Circuit Range/Performance
<b>P0A4D</b>	Generator Position Sensor Circuit Low
<b>P0A4D</b>	Generator Position Sensor Circuit Low
<b>P0A4E</b>	Generator Position Sensor Circuit High
<b>P0A4E</b>	Generator Position Sensor Circuit High
<b>P0A4F</b>	Generator Position Sensor Circuit Intermittent
<b>P0A50</b>	Generator Position Sensor Circuit Overspeed
<b>P0A51</b>	Drive Motor "A" Current Sensor Circuit
<b>P0A52</b>	Drive Motor "A" Current Sensor Circuit Range/Performance
<b>P0A53</b>	Drive Motor "A" Current Sensor Circuit Low
<b>P0A54</b>	Drive Motor "A" Current Sensor Circuit High
<b>P0A55</b>	Drive Motor "B" Current Sensor Circuit
<b>P0A56</b>	Drive Motor "B" Current Sensor Circuit Range/Performance
<b>P0A57</b>	Drive Motor "B" Current Sensor Circuit Low
<b>P0A58</b>	Drive Motor "B" Current Sensor Circuit High
<b>P0A59</b>	Generator Current Sensor Circuit



# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0A59</b>	Generator Current Sensor Circuit
<b>P0A5A</b>	Generator Current Sensor Circuit Range/Performance
<b>P0A5B</b>	Generator Current Sensor Circuit Low
<b>P0A5C</b>	Generator Current Sensor Circuit High
<b>P0A5D</b>	Drive Motor “A” Phase U Current
<b>P0A5D</b>	Drive Motor “A” Phase U Current
<b>P0A5E</b>	Drive Motor “A” Phase U Current Low
<b>P0A5E</b>	Drive Motor “A” Phase U Current Low
<b>P0A5F</b>	Drive Motor “A” Phase U Current High
<b>P0A5F</b>	Drive Motor “A” Phase U Current High
<b>P0A60</b>	Drive Motor “A” Phase V Current
<b>P0A60</b>	Drive Motor “A” Phase V Current
<b>P0A61</b>	Drive Motor “A” Phase V Current Low
<b>P0A61</b>	Drive Motor “A” Phase V Current Low
<b>P0A62</b>	Drive Motor “A” Phase V Current High
<b>P0A62</b>	Drive Motor “A” Phase V Current High
<b>P0A63</b>	Drive Motor “A” Phase W Current
<b>P0A64</b>	Drive Motor “A” Phase W Current Low
<b>P0A65</b>	Drive Motor “A” Phase W Current High
<b>P0A66</b>	Drive Motor “B” Phase U Current
<b>P0A67</b>	Drive Motor “B” Phase U Current Low
<b>P0A68</b>	Drive Motor “B” Phase U Current High
<b>P0A69</b>	Drive Motor “B” Phase V Current
<b>P0A6A</b>	Drive Motor “B” Phase V Current Low
<b>P0A6B</b>	Drive Motor “B” Phase V Current High
<b>P0A6C</b>	Drive Motor “B” Phase W Current
<b>P0A6D</b>	Drive Motor “B” Phase W Current Low
<b>P0A6E</b>	Drive Motor “B” Phase W Current High
<b>P0A6F</b>	Generator Phase U Current
<b>P0A70</b>	Generator Phase U Current Low
<b>P0A71</b>	Generator Phase U Current High
<b>P0A72</b>	Generator Phase V Current
<b>P0A72</b>	Generator Phase V Current
<b>P0A73</b>	Generator Phase V Current Low
<b>P0A73</b>	Generator Phase V Current Low
<b>P0A74</b>	Generator Phase V Current High
<b>P0A74</b>	Generator Phase V Current High
<b>P0A75</b>	Generator Phase W Current

Trouble code	Fault location
<b>P0A75</b>	Generator Phase W Current
<b>P0A76</b>	Generator Phase W Current Low
<b>P0A76</b>	Generator Phase W Current Low
<b>P0A77</b>	Generator Phase W Current High
<b>P0A77</b>	Generator Phase W Current High
<b>P0A78</b>	Drive Motor “A” Inverter Performance
<b>P0A78</b>	Drive Motor “A” Inverter Performance
<b>P0A79</b>	Drive Motor “B” Inverter Performance
<b>P0A7A</b>	Generator Inverter Performance
<b>P0A7A</b>	Generator Inverter Performance
<b>P0A7B</b>	Battery Energy Control Module Requested MIL Illumination
<b>P0A7C</b>	Motor Electronics Over Temperature
<b>P0A7D</b>	Hybrid Battery Pack State of Charge Low
<b>P0A7E</b>	Hybrid Battery Pack Over Temperature
<b>P0A7E</b>	High Voltage Battery Over Temperature
<b>P0A7F</b>	Hybrid Battery Pack Deterioration
<b>P0A7F</b>	High Voltage Battery Deterioration
<b>P0A80</b>	Replace Hybrid Battery Pack
<b>P0A81</b>	Hybrid Battery Pack Cooling Fan 1 Control Circuit/Open
<b>P0A82</b>	Hybrid Battery Pack Cooling Fan 1 Performance/Stuck Off
<b>P0A83</b>	Hybrid Battery Pack Cooling Fan 1 Stuck On
<b>P0A84</b>	Hybrid Battery Pack Cooling Fan 1 Control Circuit Low
<b>P0A85</b>	Hybrid Battery Pack Cooling Fan 1 Control Circuit High
<b>P0A86</b>	14 Volt Power Module Current Sensor Circuit
<b>P0A87</b>	14 Volt Power Module Current Sensor Circuit Range/Performance
<b>P0A88</b>	14 Volt Power Module Current Sensor Circuit Low
<b>P0A89</b>	14 Volt Power Module Current Sensor Circuit High
<b>P0A8A</b>	14 Volt Power Module Current Sensor Circuit Intermittent
<b>P0A8B</b>	14 Volt Power Module System Voltage
<b>P0A8C</b>	14 Volt Power Module System Voltage Unstable
<b>P0A8D</b>	14 Volt Power Module System Voltage Low
<b>P0A8E</b>	14 Volt Power Module System Voltage High
<b>P0A8F</b>	14 Volt Power Module System Performance
<b>P0A90</b>	Drive Motor “A” Performance
<b>P0A91</b>	Drive Motor “B” Performance
<b>P0A92</b>	Hybrid Generator Performance
<b>P0A93</b>	Inverter “A” Cooling System Performance
<b>P0A93</b>	Inverter “A” Cooling System Performance

Trouble code	Fault location
<b>P0A94</b>	DC/DC Converter Performance
<b>P0A94</b>	DC/DC Converter Performance
<b>P0A95</b>	High Voltage Fuse
<b>P0A96</b>	Hybrid Battery Pack Cooling Fan 2 Control Circuit/Open
<b>P0A97</b>	Hybrid Battery Pack Cooling Fan 2 Performance/Stuck Off
<b>P0A98</b>	Hybrid Battery Pack Cooling Fan 2 Stuck On
<b>P0A99</b>	Hybrid Battery Pack Cooling Fan 2 Control Circuit Low
<b>P0A9A</b>	Hybrid Battery Pack Cooling Fan 2 Control Circuit High
<b>P0A9B</b>	Hybrid Battery Temperature Sensor “A” Circuit
<b>P0A9B</b>	High Voltage Battery Temperature Sensor ‘A’ Circuit
<b>P0A9C</b>	Hybrid Battery Temperature Sensor “A” Range/Performance
<b>P0A9D</b>	Hybrid Battery Temperature Sensor “A” Circuit Low
<b>P0A9D</b>	High Voltage Battery Temperature Sensor “A” Circuit Low
<b>P0A9E</b>	Hybrid Battery Temperature Sensor “A” Circuit High
<b>P0A9E</b>	High Voltage Battery Temperature Sensor “A” Circuit High
<b>P0A9F</b>	Hybrid Battery Temperature Sensor “A” Circuit Intermittent/Erratic
<b>P0AA0</b>	Hybrid Battery Positive Contactor Circuit
<b>P0AA1</b>	Hybrid Battery Positive Contactor Circuit Stuck Closed
<b>P0AA2</b>	Hybrid Battery Positive Contactor Circuit Stuck Open
<b>P0AA3</b>	Hybrid Battery Negative Contactor Circuit
<b>P0AA4</b>	Hybrid Battery Negative Contactor Circuit Stuck Closed
<b>P0AA5</b>	Hybrid Battery Negative Contactor Circuit Stuck Open
<b>P0AA6</b>	Hybrid Battery Voltage System Isolation Fault
<b>P0AA6</b>	High Voltage Battery Voltage System Isolation Fault
<b>P0AA7</b>	Hybrid Battery Voltage Isolation Sensor Circuit
<b>P0AA8</b>	Hybrid Battery Voltage Isolation Sensor Circuit Range/Performance
<b>P0AA9</b>	Hybrid Battery Voltage Isolation Sensor Circuit Low
<b>P0AAA</b>	Hybrid Battery Voltage Isolation Sensor Circuit High
<b>P0AAB</b>	Hybrid Battery Voltage Isolation Sensor Circuit Intermittent/Erratic
<b>P0AAC</b>	Hybrid Battery Pack Air Temperature Sensor “A” Circuit
<b>P0AAC</b>	High Voltage Battery Air Temperature Sensor ‘A’ Circuit
<b>P0AAD</b>	Hybrid Battery Pack Air Temperature Sensor “A” Circuit Range/Performance
<b>P0AAD</b>	High Voltage Battery Air Temperature Sensor “A” Circuit Range/Performance
<b>P0AAE</b>	Hybrid Battery Pack Air Temperature Sensor “A” Circuit Low
<b>P0AAE</b>	High Voltage Battery Air Temperature Sensor “A” Circuit Low

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0AAF</b>	Hybrid Battery Pack Air Temperature Sensor “A” Circuit High
<b>P0AAF</b>	High Voltage Battery Air Temperature Sensor “A” Circuit High
<b>P0AB0</b>	Hybrid Battery Pack Air Temperature Sensor “A” Circuit Intermittent/Erratic
<b>P0AB1</b>	Hybrid Battery Pack Air Temperature Sensor “B” Circuit
<b>P0AB2</b>	Hybrid Battery Pack Air Temperature Sensor “B” Circuit Range/Performance
<b>P0AB3</b>	Hybrid Battery Pack Air Temperature Sensor “B” Circuit Low
<b>P0AB4</b>	Hybrid Battery Pack Air Temperature Sensor “B” Circuit High
<b>P0AB5</b>	Hybrid Battery Pack Air Temperature Sensor “B” Circuit Intermittent/Erratic
<b>P0AB6</b>	Engine Mount “B” Control Circuit/Open
<b>P0AB7</b>	Engine Mount “B” Control Circuit Low
<b>P0AB8</b>	Engine Mount “B” Control Circuit High
<b>P0AB9</b>	Hybrid System Performance
<b>P0ABA</b>	Hybrid Battery Pack Voltage Sense “A” Circuit
<b>P0ABB</b>	Hybrid Battery Pack Voltage Sense “A” Circuit Range/Performance
<b>P0ABC</b>	Hybrid Battery Pack Voltage Sense “A” Circuit Low
<b>P0ABD</b>	Hybrid Battery Pack Voltage Sense “A” Circuit High
<b>P0ABE</b>	Hybrid Battery Pack Voltage Sense “A” Circuit Intermittent/Erratic
<b>P0ABF</b>	Hybrid Battery Pack Current Sensor “A” Circuit
<b>P0AC0</b>	Hybrid Battery Pack Current Sensor “A” Circuit Range/Performance
<b>P0AC1</b>	Hybrid Battery Pack Current Sensor “A” Circuit Low
<b>P0AC1</b>	High Voltage Battery Current Sensor “A” Circuit Low
<b>P0AC2</b>	Hybrid Battery Pack Current Sensor “A” Circuit High
<b>P0AC2</b>	High Voltage Battery Current Sensor “A” Circuit High
<b>P0AC3</b>	Hybrid Battery Pack Current Sensor “A” Circuit Intermittent/Erratic
<b>P0AC4</b>	Hybrid Powertrain Control Module Requested MIL Illumination
<b>P0AC5</b>	Hybrid Battery Temperature Sensor “B” Circuit
<b>P0AC5</b>	High Voltage Battery Temperature Sensor ‘B’ Circuit
<b>P0AC6</b>	Hybrid Battery Temperature Sensor “B” Range/Performance
<b>P0AC7</b>	Hybrid Battery Temperature Sensor “B” Circuit Low
<b>P0AC7</b>	High Voltage Battery Temperature Sensor “B” Circuit Low
<b>P0AC8</b>	Hybrid Battery Temperature Sensor “B” Circuit High
<b>P0AC8</b>	High Voltage Battery Temperature Sensor “B” Circuit High

Trouble code	Fault location
<b>P0AC9</b>	Hybrid Battery Temperature Sensor “B” Circuit Intermittent/Erratic
<b>P0ACA</b>	Hybrid Battery Temperature Sensor “C” Circuit
<b>P0ACA</b>	High Voltage Battery Temperature Sensor ‘C’ Circuit
<b>P0ACB</b>	Hybrid Battery Temperature Sensor “C” Range/Performance
<b>P0ACC</b>	Hybrid Battery Temperature Sensor “C” Circuit Low
<b>P0ACC</b>	High Voltage Battery Temperature Sensor “C” Circuit Low
<b>P0ACD</b>	Hybrid Battery Temperature Sensor “C” Circuit High
<b>P0ACD</b>	High Voltage Battery Temperature Sensor “C” Circuit High
<b>P0ACE</b>	Hybrid Battery Temperature Sensor “C” Circuit Intermittent/Erratic
<b>P0ACF</b>	Hybrid Battery Pack Cooling Fan 3 Control Circuit/Open
<b>P0AD0</b>	Hybrid Battery Pack Cooling Fan 3 Performance/Stuck Off
<b>P0AD1</b>	Hybrid Battery Pack Cooling Fan 3 Stuck On
<b>P0AD2</b>	Hybrid Battery Pack Cooling Fan 3 Control Circuit Low
<b>P0AD3</b>	Hybrid Battery Pack Cooling Fan 3 Control Circuit High
<b>P0AD4</b>	Hybrid Battery Pack Air Flow System Insufficient Air Flow
<b>P0AD5</b>	Hybrid Battery Pack Air Flow Valve “A” Control Circuit/Open
<b>P0AD6</b>	Hybrid Battery Pack Air Flow Valve “A” Control Circuit Range/Performance
<b>P0AD7</b>	Hybrid Battery Pack Air Flow Valve “A” Control Circuit Low
<b>P0AD8</b>	Hybrid Battery Pack Air Flow Valve “A” Control Circuit High
<b>P0AD9</b>	Hybrid Battery Positive Contactor Control Circuit/Open
<b>P0ADA</b>	Hybrid Battery Positive Contactor Control Circuit Range/Performance
<b>P0ADB</b>	Hybrid Battery Positive Contactor Control Circuit Low
<b>P0ADC</b>	Hybrid Battery Positive Contactor Control Circuit High
<b>P0ADD</b>	Hybrid Battery Negative Contactor Control Circuit/Open
<b>P0ADE</b>	Hybrid Battery Negative Contactor Control Circuit Range/Performance
<b>P0ADF</b>	Hybrid Battery Negative Contactor Control Circuit Low
<b>P0AE0</b>	Hybrid Battery Negative Contactor Control Circuit High
<b>P0AE1</b>	Hybrid Battery Precharge Contactor Circuit
<b>P0AE2</b>	Hybrid Battery Precharge Contactor Circuit Stuck Closed
<b>P0AE3</b>	Hybrid Battery Precharge Contactor Circuit Stuck Open
<b>P0AE4</b>	Hybrid Battery Precharge Contactor Control Circuit
<b>P0AE5</b>	Hybrid Battery Precharge Contactor Control Circuit Range/Performance
<b>P0AE6</b>	Hybrid Battery Precharge Contactor Control Circuit Low
<b>P0AE7</b>	Hybrid Battery Precharge Contactor Control Circuit High

Trouble code	Fault location
<b>P0AE8</b>	Hybrid Battery Temperature Sensor “D” Circuit
<b>P0AE8</b>	High Voltage Battery Temperature Sensor ‘D’ Circuit
<b>P0AE9</b>	Hybrid Battery Temperature Sensor “D” Range/Performance
<b>P0AEA</b>	Hybrid Battery Temperature Sensor “D” Circuit Low
<b>P0AEA</b>	High Voltage Battery Temperature Sensor “D” Circuit Low
<b>P0AEB</b>	Hybrid Battery Temperature Sensor “D” Circuit High
<b>P0AEB</b>	High Voltage Battery Temperature Sensor “D” Circuit High
<b>P0AEC</b>	Hybrid Battery Temperature Sensor “D” Circuit Intermittent/Erratic
<b>P0AED</b>	Drive Motor Inverter Temperature Sensor “A” Circuit
<b>P0AEE</b>	Drive Motor Inverter Temperature Sensor “A” Circuit Range/Performance
<b>P0AEE</b>	Drive Motor Inverter Temperature Sensor “A” Circuit Range/Performance
<b>P0AEF</b>	Drive Motor Inverter Temperature Sensor “A” Circuit Low
<b>P0AEF</b>	Drive Motor Inverter Temperature Sensor “A” Circuit Low
<b>P0AF0</b>	Drive Motor Inverter Temperature Sensor “A” Circuit High
<b>P0AF0</b>	Drive Motor Inverter Temperature Sensor “A” Circuit High
<b>P0AF1</b>	Drive Motor Inverter Temperature Sensor “A” Circuit Intermittent/Erratic
<b>P0AF2</b>	Drive Motor Inverter Temperature Sensor “B” Circuit
<b>P0AF3</b>	Drive Motor Inverter Temperature Sensor “B” Circuit Range/Performance
<b>P0AF4</b>	Drive Motor Inverter Temperature Sensor “B” Circuit Low
<b>P0AF5</b>	Drive Motor Inverter Temperature Sensor “B” Circuit High
<b>P0AF6</b>	Drive Motor Inverter Temperature Sensor “B” Circuit Intermittent/Erratic
<b>P0AF7</b>	14 Volt Power Module Internal Temperature Too High
<b>P0AF8</b>	Hybrid Battery System Voltage
<b>P0AF9</b>	Hybrid Battery System Voltage Unstable
<b>P0AFA</b>	Hybrid Battery System Voltage Low
<b>P0AFB</b>	Hybrid Battery System Voltage High
<b>P0AFC</b>	Hybrid Battery Pack Sensor Module
<b>P0AFD</b>	Hybrid Battery Pack Temperature Too Low
<b>P0AFE</b>	Hybrid Battery System Voltage Too Low for Voltage Step Up Conversion
<b>P0AFF</b>	System Voltage Too Low for Voltage Step Down Conversion
<b>P0B00</b>	Auxiliary Transmission Fluid Pump Motor Phase U Current
<b>P0B01</b>	Auxiliary Transmission Fluid Pump Motor Phase U Current Low

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0B02</b>	Auxiliary Transmission Fluid Pump Motor Phase U Current High
<b>P0B03</b>	Auxiliary Transmission Fluid Pump Motor Phase V Current
<b>P0B04</b>	Auxiliary Transmission Fluid Pump Motor Phase V Current Low
<b>P0B05</b>	Auxiliary Transmission Fluid Pump Motor Phase V Current High
<b>P0B06</b>	Auxiliary Transmission Fluid Pump Motor Phase W Current
<b>P0B07</b>	Auxiliary Transmission Fluid Pump Motor Phase W Current Low
<b>P0B08</b>	Auxiliary Transmission Fluid Pump Motor Phase W Current High
<b>P0B09</b>	Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit/Open
<b>P0B0A</b>	Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit Low
<b>P0B0B</b>	Auxiliary Transmission Fluid Pump Motor Supply Voltage Circuit High
<b>P0B0C</b>	Auxiliary Transmission Fluid Pump Hydraulic Leakage
<b>P0B0D</b>	Auxiliary Transmission Fluid Pump Motor Control Module
<b>P0B0E</b>	Hybrid Battery Pack Current Sensor “B” Circuit
<b>P0B0F</b>	Hybrid Battery Pack Current Sensor “B” Circuit Range/Performance
<b>P0B10</b>	Hybrid Battery Pack Current Sensor “B” Circuit Low
<b>P0B11</b>	Hybrid Battery Pack Current Sensor “B” Circuit High
<b>P0B12</b>	Hybrid Battery Pack Current Sensor “B” Circuit Intermittent/Erratic
<b>P0B13</b>	Hybrid Battery Pack Current Sensor “A”/”B” Correlation
<b>P0B14</b>	Hybrid Battery Pack Voltage Sense “B” Circuit
<b>P0B15</b>	Hybrid Battery Pack Voltage Sense “B” Circuit Range/Performance
<b>P0B16</b>	Hybrid Battery Pack Voltage Sense “B” Circuit Low
<b>P0B17</b>	Hybrid Battery Pack Voltage Sense “B” Circuit High
<b>P0B18</b>	Hybrid Battery Pack Voltage Sense “B” Circuit Intermittent/Erratic
<b>P0B19</b>	Hybrid Battery Pack Voltage Sense “C” Circuit
<b>P0B1A</b>	Hybrid Battery Pack Voltage Sense “C” Circuit Range/Performance
<b>P0B1B</b>	Hybrid Battery Pack Voltage Sense “C” Circuit Low
<b>P0B1C</b>	Hybrid Battery Pack Voltage Sense “C” Circuit High
<b>P0B1D</b>	Hybrid Battery Pack Voltage Sense “C” Circuit Intermittent/Erratic

Trouble code	Fault location
<b>P0B1E</b>	Hybrid Battery Pack Voltage Sense “D” Circuit
<b>P0B1F</b>	Hybrid Battery Pack Voltage Sense “D” Circuit Range/Performance
<b>P0B20</b>	Hybrid Battery Pack Voltage Sense “D” Circuit Low
<b>P0B21</b>	Hybrid Battery Pack Voltage Sense “D” Circuit High
<b>P0B22</b>	Hybrid Battery Pack Voltage Sense “D” Circuit Intermittent/Erratic
<b>P0B23</b>	Hybrid Battery “A” Voltage
<b>P0B24</b>	Hybrid Battery “A” Voltage Unstable
<b>P0B25</b>	Hybrid Battery “A” Voltage Low
<b>P0B26</b>	Hybrid Battery “A” Voltage High
<b>P0B27</b>	Hybrid Battery “B” Voltage
<b>P0B28</b>	Hybrid Battery “B” Voltage Unstable
<b>P0B29</b>	Hybrid Battery “B” Voltage Low
<b>P0B2A</b>	Hybrid Battery “B” Voltage High
<b>P0B2B</b>	Hybrid Battery “C” Voltage
<b>P0B2C</b>	Hybrid Battery “C” Voltage Unstable
<b>P0B2D</b>	Hybrid Battery “C” Voltage Low
<b>P0B2E</b>	Hybrid Battery “C” Voltage High
<b>P0B2F</b>	Hybrid Battery “D” Voltage
<b>P0B30</b>	Hybrid Battery “D” Voltage Unstable
<b>P0B31</b>	Hybrid Battery “D” Voltage Low
<b>P0B32</b>	Hybrid Battery “D” Voltage High
<b>P0B33</b>	High Voltage Service Disconnect Circuit
<b>P0B34</b>	High Voltage Service Disconnect Circuit Performance
<b>P0B35</b>	High Voltage Service Disconnect Circuit Low
<b>P0B36</b>	High Voltage Service Disconnect Circuit High
<b>P0B37</b>	High Voltage Service Disconnect Open
<b>P0B38</b>	Motor Electronics Coolant Pump “B” Control Circuit/Open
<b>P0B39</b>	Motor Electronics Coolant Pump “B” Control Circuit Low
<b>P0B3A</b>	Motor Electronics Coolant Pump “B” Control Circuit High
<b>P0B3B</b>	Hybrid Battery Voltage Sense “A” Circuit
<b>P0B3C</b>	Hybrid Battery Voltage Sense “A” Circuit Range/Performance
<b>P0B3D</b>	Hybrid Battery Voltage Sense “A” Circuit Low
<b>P0B3E</b>	Hybrid Battery Voltage Sense “A” Circuit High
<b>P0B3F</b>	Hybrid Battery Voltage Sense “A” Circuit Intermittent/Erratic
<b>P0B40</b>	Hybrid Battery Voltage Sense “B” Circuit
<b>P0B41</b>	Hybrid Battery Voltage Sense “B” Circuit Range/Performance
<b>P0B42</b>	Hybrid Battery Voltage Sense “B” Circuit Low

Trouble code	Fault location
<b>P0B43</b>	Hybrid Battery Voltage Sense “B” Circuit High
<b>P0B44</b>	Hybrid Battery Voltage Sense “B” Circuit Intermittent/Erratic
<b>P0B45</b>	Hybrid Battery Voltage Sense “C” Circuit
<b>P0B46</b>	Hybrid Battery Voltage Sense “C” Circuit Range/Performance
<b>P0B47</b>	Hybrid Battery Voltage Sense “C” Circuit Low
<b>P0B48</b>	Hybrid Battery Voltage Sense “C” Circuit High
<b>P0B49</b>	Hybrid Battery Voltage Sense “C” Circuit Intermittent/Erratic
<b>P0B4A</b>	Hybrid Battery Voltage Sense “D” Circuit
<b>P0B4B</b>	Hybrid Battery Voltage Sense “D” Circuit Range/Performance
<b>P0B4C</b>	Hybrid Battery Voltage Sense “D” Circuit Low
<b>P0B4D</b>	Hybrid Battery Voltage Sense “D” Circuit High
<b>P0B4E</b>	Hybrid Battery Voltage Sense “D” Circuit Intermittent/Erratic
<b>P0B4F</b>	Hybrid Battery Voltage Sense “E” Circuit
<b>P0B50</b>	Hybrid Battery Voltage Sense “E” Circuit Range/Performance
<b>P0B51</b>	Hybrid Battery Voltage Sense “E” Circuit Low
<b>P0B52</b>	Hybrid Battery Voltage Sense “E” Circuit High
<b>P0B53</b>	Hybrid Battery Voltage Sense “E” Circuit Intermittent/Erratic
<b>P0B54</b>	Hybrid Battery Voltage Sense “F” Circuit
<b>P0B55</b>	Hybrid Battery Voltage Sense “F” Circuit Range/Performance
<b>P0B56</b>	Hybrid Battery Voltage Sense “F” Circuit Low
<b>P0B57</b>	Hybrid Battery Voltage Sense “F” Circuit High
<b>P0B58</b>	Hybrid Battery Voltage Sense “F” Circuit Intermittent/Erratic
<b>P0B59</b>	Hybrid Battery Voltage Sense “G” Circuit
<b>P0B5A</b>	Hybrid Battery Voltage Sense “G” Circuit Range/Performance
<b>P0B5B</b>	Hybrid Battery Voltage Sense “G” Circuit Low
<b>P0B5C</b>	Hybrid Battery Voltage Sense “G” Circuit High
<b>P0B5D</b>	Hybrid Battery Voltage Sense “G” Circuit Intermittent/Erratic
<b>P0B5E</b>	Hybrid Battery Voltage Sense “H” Circuit
<b>P0B5F</b>	Hybrid Battery Voltage Sense “H” Circuit Range/Performance
<b>P0B60</b>	Hybrid Battery Voltage Sense “H” Circuit Low
<b>P0B61</b>	Hybrid Battery Voltage Sense “H” Circuit High
<b>P0B62</b>	Hybrid Battery Voltage Sense “H” Circuit Intermittent/Erratic
<b>P0B63</b>	Hybrid Battery Voltage Sense “I” Circuit
<b>P0B64</b>	Hybrid Battery Voltage Sense “I” Circuit Range/Performance
<b>P0B65</b>	Hybrid Battery Voltage Sense “I” Circuit Low
<b>P0B66</b>	Hybrid Battery Voltage Sense “I” Circuit High
<b>P0B67</b>	Hybrid Battery Voltage Sense “I” Circuit Intermittent/Erratic
<b>P0B68</b>	Hybrid Battery Voltage Sense “J” Circuit



# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0B69</b>	Hybrid Battery Voltage Sense “J” Circuit Range/Performance
<b>P0B6A</b>	Hybrid Battery Voltage Sense “J” Circuit Low
<b>P0B6B</b>	Hybrid Battery Voltage Sense “J” Circuit High
<b>P0B6C</b>	Hybrid Battery Voltage Sense “J” Circuit Intermittent/Erratic
<b>P0B6D</b>	Hybrid Battery Voltage Sense “K” Circuit
<b>P0B6E</b>	Hybrid Battery Voltage Sense “K” Circuit Range/Performance
<b>P0B6F</b>	Hybrid Battery Voltage Sense “K” Circuit Low
<b>P0B70</b>	Hybrid Battery Voltage Sense “K” Circuit High
<b>P0B71</b>	Hybrid Battery Voltage Sense “K” Circuit Intermittent/Erratic
<b>P0B72</b>	Hybrid Battery Voltage Sense “L” Circuit
<b>P0B73</b>	Hybrid Battery Voltage Sense “L” Circuit Range/Performance
<b>P0B74</b>	Hybrid Battery Voltage Sense “L” Circuit Low
<b>P0B75</b>	Hybrid Battery Voltage Sense “L” Circuit High
<b>P0B76</b>	Hybrid Battery Voltage Sense “L” Circuit Intermittent/Erratic
<b>P0B77</b>	Hybrid Battery Voltage Sense “M” Circuit
<b>P0B78</b>	Hybrid Battery Voltage Sense “M” Circuit Range/Performance
<b>P0B79</b>	Hybrid Battery Voltage Sense “M” Circuit Low
<b>P0B7A</b>	Hybrid Battery Voltage Sense “M” Circuit High
<b>P0B7B</b>	Hybrid Battery Voltage Sense “M” Circuit Intermittent/Erratic
<b>P0B7C</b>	Hybrid Battery Voltage Sense “N” Circuit
<b>P0B7D</b>	Hybrid Battery Voltage Sense “N” Circuit Range/Performance
<b>P0B7E</b>	Hybrid Battery Voltage Sense “N” Circuit Low
<b>P0B7F</b>	Hybrid Battery Voltage Sense “N” Circuit High
<b>P0B80</b>	Hybrid Battery Voltage Sense “N” Circuit Intermittent/Erratic
<b>P0B81</b>	Hybrid Battery Voltage Sense “O” Circuit
<b>P0B82</b>	Hybrid Battery Voltage Sense “O” Circuit Range/Performance
<b>P0B83</b>	Hybrid Battery Voltage Sense “O” Circuit Low
<b>P0B84</b>	Hybrid Battery Voltage Sense “O” Circuit High
<b>P0B85</b>	Hybrid Battery Voltage Sense “O” Circuit Intermittent/Erratic
<b>P0B86</b>	Hybrid Battery Voltage Sense “P” Circuit
<b>P0B87</b>	Hybrid Battery Voltage Sense “P” Circuit Range/Performance
<b>P0B88</b>	Hybrid Battery Voltage Sense “P” Circuit Low
<b>P0B89</b>	Hybrid Battery Voltage Sense “P” Circuit High
<b>P0B8A</b>	Hybrid Battery Voltage Sense “P” Circuit Intermittent/Erratic
<b>P0B8B</b>	Hybrid Battery Voltage Sense “Q” Circuit
<b>P0B8C</b>	Hybrid Battery Voltage Sense “Q” Circuit Range/Performance
<b>P0B8D</b>	Hybrid Battery Voltage Sense “Q” Circuit Low
<b>P0B8E</b>	Hybrid Battery Voltage Sense “Q” Circuit High

Trouble code	Fault location
<b>P0B8F</b>	Hybrid Battery Voltage Sense “Q” Circuit Intermittent/Erratic
<b>P0B90</b>	Hybrid Battery Voltage Sense “R” Circuit
<b>P0B91</b>	Hybrid Battery Voltage Sense “R” Circuit Range/Performance
<b>P0B92</b>	Hybrid Battery Voltage Sense “R” Circuit Low
<b>P0B93</b>	Hybrid Battery Voltage Sense “R” Circuit High
<b>P0B94</b>	Hybrid Battery Voltage Sense “R” Circuit Intermittent/Erratic
<b>P0B95</b>	Hybrid Battery Voltage Sense “S” Circuit
<b>P0B96</b>	Hybrid Battery Voltage Sense “S” Circuit Range/Performance
<b>P0B97</b>	Hybrid Battery Voltage Sense “S” Circuit Low
<b>P0B98</b>	Hybrid Battery Voltage Sense “S” Circuit High
<b>P0B99</b>	Hybrid Battery Voltage Sense “S” Circuit Intermittent/Erratic
<b>P0B9A</b>	Hybrid Battery Voltage Sense “T” Circuit
<b>P0B9B</b>	Hybrid Battery Voltage Sense “T” Circuit Range/Performance
<b>P0B9C</b>	Hybrid Battery Voltage Sense “T” Circuit Low
<b>P0B9D</b>	Hybrid Battery Voltage Sense “T” Circuit High
<b>P0B9E</b>	Hybrid Battery Voltage Sense “T” Circuit Intermittent/Erratic
<b>P0B9F</b>	Hybrid Battery Voltage Sense “U” Circuit
<b>P0BA0</b>	Hybrid Battery Voltage Sense “U” Circuit Range/Performance
<b>P0BA1</b>	Hybrid Battery Voltage Sense “U” Circuit Low
<b>P0BA2</b>	Hybrid Battery Voltage Sense “U” Circuit High
<b>P0BA3</b>	Hybrid Battery Voltage Sense “U” Circuit Intermittent/Erratic
<b>P0BA4</b>	Hybrid Battery Voltage Sense “V” Circuit
<b>P0BA5</b>	Hybrid Battery Voltage Sense “V” Circuit Range/Performance
<b>P0BA6</b>	Hybrid Battery Voltage Sense “V” Circuit Low
<b>P0BA7</b>	Hybrid Battery Voltage Sense “V” Circuit High
<b>P0BA8</b>	Hybrid Battery Voltage Sense “V” Circuit Intermittent/Erratic
<b>P0BA9</b>	Hybrid Battery Voltage Sense “W” Circuit
<b>P0BAA</b>	Hybrid Battery Voltage Sense “W” Circuit Range/Performance
<b>P0BAB</b>	Hybrid Battery Voltage Sense “W” Circuit Low
<b>P0BAC</b>	Hybrid Battery Voltage Sense “W” Circuit High
<b>P0BAD</b>	Hybrid Battery Voltage Sense “W” Circuit Intermittent/Erratic
<b>P0BAE</b>	Hybrid Battery Voltage Sense “X” Circuit
<b>P0BAF</b>	Hybrid Battery Voltage Sense “X” Circuit Range/Performance
<b>P0BB0</b>	Hybrid Battery Voltage Sense “X” Circuit Low
<b>P0BB1</b>	Hybrid Battery Voltage Sense “X” Circuit High
<b>P0BB2</b>	Hybrid Battery Voltage Sense “X” Circuit Intermittent/Erratic
<b>P0BB3</b>	Hybrid Battery Voltage Sense “Y” Circuit
<b>P0BB4</b>	Hybrid Battery Voltage Sense “Y” Circuit Range/Performance

Trouble code	Fault location
<b>P0BB5</b>	Hybrid Battery Voltage Sense “Y” Circuit Low
<b>P0BB6</b>	Hybrid Battery Voltage Sense “Y” Circuit High
<b>P0BB7</b>	Hybrid Battery Voltage Sense “Y” Circuit Intermittent/Erratic
<b>P0BB8</b>	Hybrid Battery Voltage Sense “Z” Circuit
<b>P0BB9</b>	Hybrid Battery Voltage Sense “Z” Circuit Range/Performance
<b>P0BBA</b>	Hybrid Battery Voltage Sense “Z” Circuit Low
<b>P0BBB</b>	Hybrid Battery Voltage Sense “Z” Circuit High
<b>P0BBC</b>	Hybrid Battery Voltage Sense “Z” Circuit Intermittent/Erratic
<b>P0BBD</b>	Hybrid Battery Pack Voltage Variation Exceeded Limit
<b>P0BBE</b>	Hybrid Battery Pack Voltage Variation
<b>P0BBF</b>	Hybrid Battery Pack Cooling Fan Supply Voltage Circuit/Open
<b>P0BC0</b>	Hybrid Battery Pack Cooling Fan Supply Voltage Circuit Low
<b>P0BC1</b>	Hybrid Battery Pack Cooling Fan Supply Voltage Circuit High
<b>P0BC2</b>	Hybrid Battery Temperature Sensor “E” Circuit
<b>P0BC3</b>	Hybrid Battery Temperature Sensor “E” Range/Performance
<b>P0BC4</b>	Hybrid Battery Temperature Sensor “E” Circuit Low
<b>P0BC4</b>	High Voltage Battery Temperature Sensor “E” Circuit Low
<b>P0BC5</b>	Hybrid Battery Temperature Sensor “E” Circuit High
<b>P0BC5</b>	High Voltage Battery Temperature Sensor “E” Circuit High
<b>P0BC6</b>	Hybrid Battery Temperature Sensor “E” Circuit Intermittent/Erratic
<b>P0BC7</b>	Hybrid Battery Pack Cooling Fan Sense Circuit/Open
<b>P0BC8</b>	Hybrid Battery Pack Cooling Fan Sense Range/Performance
<b>P0BC9</b>	Hybrid Battery Pack Cooling Fan Sense Circuit Low
<b>P0BCA</b>	Hybrid Battery Pack Cooling Fan Sense Circuit High
<b>P0BCB</b>	Hybrid Battery Pack Cooling Fan Sense Circuit Intermittent/Erratic
<b>P0BCC</b>	Generator Inverter Temperature Sensor Circuit
<b>P0BCD</b>	Generator Inverter Temperature Sensor Circuit Range/Performance
<b>P0BCD</b>	Generator Inverter Temperature Sensor Circuit Range/Performance
<b>P0BCE</b>	Generator Inverter Temperature Sensor Circuit Low
<b>P0BCE</b>	Generator Inverter Temperature Sensor Circuit Low
<b>P0BCF</b>	Generator Inverter Temperature Sensor Circuit High
<b>P0BCF</b>	Generator Inverter Temperature Sensor Circuit High
<b>P0BD0</b>	Generator Inverter Temperature Sensor Circuit Intermittent/Erratic
<b>P0BD1</b>	Drive Motor Inverter Temperature Sensor “C” Circuit

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0BD2</b>	Drive Motor Inverter Temperature Sensor “C” Circuit Range/Performance
<b>P0BD3</b>	Drive Motor Inverter Temperature Sensor “C” Circuit Low
<b>P0BD4</b>	Drive Motor Inverter Temperature Sensor “C” Circuit High
<b>P0BD5</b>	Drive Motor Inverter Temperature Sensor “C” Circuit Intermittent/Erratic
<b>P0BD6</b>	Drive Motor Inverter Temperature Sensor “D” Circuit
<b>P0BD7</b>	Drive Motor Inverter Temperature Sensor “D” Circuit Range/Performance
<b>P0BD8</b>	Drive Motor Inverter Temperature Sensor “D” Circuit Low
<b>P0BD9</b>	Drive Motor Inverter Temperature Sensor “D” Circuit High
<b>P0BDA</b>	Drive Motor Inverter Temperature Sensor “D” Circuit Intermittent/Erratic
<b>P0BDB</b>	Drive Motor Inverter Temperature Sensor “E” Circuit
<b>P0BDC</b>	Drive Motor Inverter Temperature Sensor “E” Circuit Range/Performance
<b>P0BDD</b>	Drive Motor Inverter Temperature Sensor “E” Circuit Low
<b>P0BDE</b>	Drive Motor Inverter Temperature Sensor “E” Circuit High
<b>P0BDF</b>	Drive Motor Inverter Temperature Sensor “E” Circuit Intermittent/Erratic
<b>P0BE0</b>	Drive Motor Inverter Temperature Sensor “F” Circuit
<b>P0BE1</b>	Drive Motor Inverter Temperature Sensor “F” Circuit Range/Performance
<b>P0BE2</b>	Drive Motor Inverter Temperature Sensor “F” Circuit Low
<b>P0BE3</b>	Drive Motor Inverter Temperature Sensor “F” Circuit High
<b>P0BE4</b>	Drive Motor Inverter Temperature Sensor “F” Circuit Intermittent/Erratic
<b>P0BE5</b>	Drive Motor “A” Phase U Current Sensor Circuit
<b>P0BE6</b>	Drive Motor “A” Phase U Current Sensor Circuit Range/Performance
<b>P0BE7</b>	Drive Motor “A” Phase U Current Sensor Circuit Low
<b>P0BE8</b>	Drive Motor “A” Phase U Current Sensor Circuit High
<b>P0BE9</b>	Drive Motor “A” Phase V Current Sensor Circuit
<b>P0BEA</b>	Drive Motor “A” Phase V Current Sensor Circuit Range/Performance
<b>P0BEB</b>	Drive Motor “A” Phase V Current Sensor Circuit Low
<b>P0BEC</b>	Drive Motor “A” Phase V Current Sensor Circuit High
<b>P0BED</b>	Drive Motor “A” Phase W Current Sensor Circuit
<b>P0BEE</b>	Drive Motor “A” Phase W Current Sensor Circuit Range/Performance
<b>P0BEF</b>	Drive Motor “A” Phase W Current Sensor Circuit Low
<b>P0BF0</b>	Drive Motor “A” Phase W Current Sensor Circuit High

Trouble code	Fault location
<b>P0BF1</b>	Drive Motor “B” Phase U Current Sensor Circuit
<b>P0BF2</b>	Drive Motor “B” Phase U Current Sensor Circuit Range/Performance
<b>P0BF3</b>	Drive Motor “B” Phase U Current Sensor Circuit Low
<b>P0BF4</b>	Drive Motor “B” Phase U Current Sensor Circuit High
<b>P0BF5</b>	Drive Motor “B” Phase V Current Sensor Circuit
<b>P0BF6</b>	Drive Motor “B” Phase V Current Sensor Circuit Range/Performance
<b>P0BF7</b>	Drive Motor “B” Phase V Current Sensor Circuit Low
<b>P0BF8</b>	Drive Motor “B” Phase V Current Sensor Circuit High
<b>P0BF9</b>	Drive Motor “B” Phase W Current Sensor Circuit
<b>P0BFA</b>	Drive Motor “B” Phase W Current Sensor Circuit Range/Performance
<b>P0BFB</b>	Drive Motor “B” Phase W Current Sensor Circuit Low
<b>P0BFC</b>	Drive Motor “B” Phase W Current Sensor Circuit High
<b>P0BFD</b>	Drive Motor “A” Phase U-V-W Current Sensor Correlation
<b>P0BFE</b>	Drive Motor “B” Phase U-V-W Current Sensor Correlation
<b>P0BFF</b>	Drive Motor “A” Current
<b>P0C00</b>	Drive Motor “A” Current Low
<b>P0C01</b>	Drive Motor “A” Current High
<b>P0C02</b>	Drive Motor “B” Current
<b>P0C03</b>	Drive Motor “B” Current Low
<b>P0C04</b>	Drive Motor “B” Current High
<b>P0C05</b>	Drive Motor “A” Phase U-V-W Circuit/Open
<b>P0C06</b>	Drive Motor “A” Phase U-V-W Circuit Low
<b>P0C07</b>	Drive Motor “A” Phase U-V-W Circuit High
<b>P0C08</b>	Drive Motor “B” Phase U-V-W Circuit/Open
<b>P0C09</b>	Drive Motor “B” Phase U-V-W Circuit Low
<b>P0C0A</b>	Drive Motor “B” Phase U-V-W Circuit High
<b>P0C0B</b>	Drive Motor “A” Inverter Power Supply Circuit/Open
<b>P0C0C</b>	Drive Motor “A” Inverter Power Supply Circuit Low
<b>P0C0D</b>	Drive Motor “A” Inverter Power Supply Circuit High
<b>P0C0E</b>	Drive Motor “B” Inverter Power Supply Circuit/Open
<b>P0C0F</b>	Drive Motor “B” Inverter Power Supply Circuit Low
<b>P0C10</b>	Drive Motor “B” Inverter Power Supply Circuit High
<b>P0C11</b>	Drive Motor “A” Inverter Phase U Over Temperature
<b>P0C12</b>	Drive Motor “A” Inverter Phase V Over Temperature
<b>P0C13</b>	Drive Motor “A” Inverter Phase W Over Temperature
<b>P0C14</b>	Drive Motor “B” Inverter Phase U Over Temperature

Trouble code	Fault location
<b>P0C15</b>	Drive Motor “B” Inverter Phase V Over Temperature
<b>P0C16</b>	Drive Motor “B” Inverter Phase W Over Temperature
<b>P0C17</b>	Drive Motor “A” Position Sensor Not Learned
<b>P0C17</b>	Drive Motor “A” Position Sensor Not Learned
<b>P0C18</b>	Drive Motor “B” Position Sensor Not Learned
<b>P0C19</b>	Drive Motor “A” Torque Delivered Performance
<b>P0C1A</b>	Drive Motor “B” Torque Delivered Performance
<b>P0C1B</b>	Auxiliary Transmission Fluid Pump Control Module Internal Temperature Too High
<b>P0C1C</b>	Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit
<b>P0C1D</b>	Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit Range/Performance
<b>P0C1E</b>	Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit Low
<b>P0C1F</b>	Auxiliary Transmission Fluid Pump Control Module Internal Temperature Sensor Circuit High
<b>P0C20</b>	Auxiliary Transmission Fluid Pump Phase U-V-W Circuit/Open
<b>P0C21</b>	Auxiliary Transmission Fluid Pump Phase U-V-W Circuit Low
<b>P0C22</b>	Auxiliary Transmission Fluid Pump Phase U-V-W Circuit High
<b>P0C23</b>	Auxiliary Transmission Fluid Pump Control Module Circuit/Open
<b>P0C24</b>	Auxiliary Transmission Fluid Pump Control Module Circuit Low
<b>P0C25</b>	Auxiliary Transmission Fluid Pump Control Module Circuit High
<b>P0C26</b>	Auxiliary Transmission Fluid Pump Motor Current
<b>P0C27</b>	Auxiliary Transmission Fluid Pump Motor Current Low
<b>P0C28</b>	Auxiliary Transmission Fluid Pump Motor Current High
<b>P0C29</b>	Auxiliary Transmission Fluid Pump Driver Circuit Performance
<b>P0C2A</b>	Auxiliary Transmission Fluid Pump Motor Stalled
<b>P0C2B</b>	Auxiliary Transmission Fluid Pump Control Module Feedback Signal
<b>P0C2C</b>	Auxiliary Transmission Fluid Pump Control Module Feedback Signal Range/Performance
<b>P0C2D</b>	Auxiliary Transmission Fluid Pump Control Module Feedback Signal Low
<b>P0C2E</b>	Auxiliary Transmission Fluid Pump Control Module Feedback Signal High
<b>P0C2F</b>	Internal Control Module Drive Motor/Generator - Engine Speed Sensor Performance
<b>P0C30</b>	Hybrid Battery Pack State of Charge High

# OBD-II Trouble Code Table

Trouble code	Fault location
<b>P0C31</b>	Inverter “B” Cooling System Performance
<b>P0C31</b>	Inverter “B” Cooling System Performance
<b>P0C32</b>	Hybrid Battery Cooling System Performance
<b>P0C33</b>	Hybrid Battery Temperature Sensor “F” Circuit
<b>P0C34</b>	Hybrid Battery Temperature Sensor “F” Circuit Range/Performance
<b>P0C35</b>	Hybrid Battery Temperature Sensor “F” Circuit Low
<b>P0C36</b>	Hybrid Battery Temperature Sensor “F” Circuit High
<b>P0C37</b>	Hybrid Battery Temperature Sensor “F” Circuit Intermittent/Erratic
<b>P0C38</b>	DC/DC Converter Temperature Sensor “A” Circuit
<b>P0C39</b>	DC/DC Converter Temperature Sensor “A” Range/Performance
<b>P0C3A</b>	DC/DC Converter Temperature Sensor “A” Low
<b>P0C3A</b>	DC/DC Converter Temperature Sensor “A” Low
<b>P0C3B</b>	DC/DC Converter Temperature Sensor “A” High
<b>P0C3B</b>	DC/DC Converter Temperature Sensor “A” High
<b>P0C3C</b>	DC/DC Converter Temperature Sensor “A” Intermittent/Erratic
<b>P0C3D</b>	DC/DC Converter Temperature Sensor “B” Circuit
<b>P0C3E</b>	DC/DC Converter Temperature Sensor “B” Range/Performance
<b>P0C3F</b>	DC/DC Converter Temperature Sensor “B” Low
<b>P0C40</b>	DC/DC Converter Temperature Sensor “B” High
<b>P0C41</b>	DC/DC Converter Temperature Sensor “B” Intermittent/Erratic
<b>P0C42</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit
<b>P0C43</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit Range/Performance
<b>P0C44</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit Low
<b>P0C45</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit High
<b>P0C46</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit Intermittent/Erratic
<b>P0C47</b>	Hybrid Battery Pack Coolant Pump Control Circuit/Open
<b>P0C48</b>	Hybrid Battery Pack Coolant Pump Control Circuit Low
<b>P0C49</b>	Hybrid Battery Pack Coolant Pump Control Circuit High
<b>P0C4A</b>	Hybrid Battery Pack Coolant Pump Control Performance
<b>P0C4B</b>	Hybrid Battery Pack Coolant Pump Supply Voltage Circuit/Open
<b>P0C4C</b>	Hybrid Battery Pack Coolant Pump Supply Voltage Circuit Low
<b>P0C4D</b>	Hybrid Battery Pack Coolant Pump Supply Voltage Circuit High
<b>P0C4E</b>	Drive Motor “A” Position Exceeded Learning Limit

Trouble code	Fault location
<b>P0C4F</b>	Drive Motor “B” Position Exceeded Learning Limit
<b>P0C50</b>	Drive Motor “A” Position Sensor Circuit “A”
<b>P0C51</b>	Drive Motor “A” Position Sensor Circuit “A” Range/Performance
<b>P0C52</b>	Drive Motor “A” Position Sensor Circuit “A” Low
<b>P0C53</b>	Drive Motor “A” Position Sensor Circuit “A” High
<b>P0C54</b>	Drive Motor “A” Position Sensor Circuit “A” Intermittent/Erratic
<b>P0C55</b>	Drive Motor “B” Position Sensor Circuit “A”
<b>P0C56</b>	Drive Motor “B” Position Sensor Circuit “A” Range/Performance
<b>P0C57</b>	Drive Motor “B” Position Sensor Circuit “A” Low
<b>P0C58</b>	Drive Motor “B” Position Sensor Circuit “A” High
<b>P0C59</b>	Drive Motor “B” Position Sensor Circuit “A” Intermittent/Erratic
<b>P0C5A</b>	Drive Motor “A” Position Sensor Circuit “B”
<b>P0C5B</b>	Drive Motor “A” Position Sensor Circuit “B” Range/Performance
<b>P0C5C</b>	Drive Motor “A” Position Sensor Circuit “B” Low
<b>P0C5D</b>	Drive Motor “A” Position Sensor Circuit “B” High
<b>P0C5E</b>	Drive Motor “A” Position Sensor Circuit “B” Intermittent/Erratic
<b>P0C5F</b>	Drive Motor “B” Position Sensor Circuit “B”
<b>P0C60</b>	Drive Motor “B” Position Sensor Circuit “B” Range/Performance
<b>P0C61</b>	Drive Motor “B” Position Sensor Circuit “B” Low
<b>P0C62</b>	Drive Motor “B” Position Sensor Circuit “B” High
<b>P0C63</b>	Drive Motor “B” Position Sensor Circuit “B” Intermittent/Erratic
<b>P0C64</b>	Generator Position Sensor Circuit “A”
<b>P0C65</b>	Generator Position Sensor Circuit “A” Range/Performance
<b>P0C66</b>	Generator Position Sensor Circuit “A” Low
<b>P0C67</b>	Generator Position Sensor Circuit “A” High
<b>P0C68</b>	Generator Position Sensor Circuit “A” Intermittent/Erratic
<b>P0C69</b>	Generator Position Sensor Circuit “B”
<b>P0C6A</b>	Generator Position Sensor Circuit “B” Range/Performance
<b>P0C6B</b>	Generator Position Sensor Circuit “B” Low
<b>P0C6C</b>	Generator Position Sensor Circuit “B” High
<b>P0C6D</b>	Generator Position Sensor Circuit “B” Intermittent/Erratic
<b>P0C6E</b>	Hybrid Battery Temperature Sensor “A”/“B” Correlation
<b>P0C6F</b>	Hybrid Battery Temperature Sensor “B”/“C” Correlation

Trouble code	Fault location
<b>P0C70</b>	Hybrid Battery Temperature Sensor “C”/“D” Correlation
<b>P0C71</b>	Hybrid Battery Temperature Sensor “D”/“E” Correlation
<b>P0C72</b>	Hybrid Battery Temperature Sensor “E”/“F” Correlation
<b>P0C73</b>	Motor Electronics Coolant Pump “A” Control Performance
<b>P0C73</b>	Motor Electronics Coolant Pump “A” Control Performance
<b>P0C74</b>	Motor Electronics Coolant Pump “B” Control Performance
<b>P0C75</b>	Hybrid Battery System Discharge Time Too Short
<b>P0C76</b>	Hybrid Battery System Discharge Time Too Long
<b>P0C77</b>	Hybrid Battery System Precharge Time Too Short
<b>P0C78</b>	Hybrid Battery System Precharge Time Too Long
<b>P0C79</b>	Drive Motor “A” Inverter Voltage Too High
<b>P0C7A</b>	Drive Motor “B” Inverter Voltage Too High
<b>P0C7B</b>	Generator Inverter Voltage Too High
<b>P0C7C</b>	Hybrid Battery Temperature Sensor “G” Circuit
<b>P0C7D</b>	Hybrid Battery Temperature Sensor “G” Range/Performance
<b>P0C7E</b>	Hybrid Battery Temperature Sensor “G” Circuit Low
<b>P0C7F</b>	Hybrid Battery Temperature Sensor “G” Circuit High
<b>P0C80</b>	Hybrid Battery Temperature Sensor “G” Circuit Intermittent/Erratic
<b>P0C81</b>	Hybrid Battery Temperature Sensor “H” Circuit
<b>P0C82</b>	Hybrid Battery Temperature Sensor “H” Range/Performance
<b>P0C83</b>	Hybrid Battery Temperature Sensor “H” Circuit Low
<b>P0C84</b>	Hybrid Battery Temperature Sensor “H” Circuit High
<b>P0C85</b>	Hybrid Battery Temperature Sensor “H” Circuit Intermittent/Erratic
<b>P0C86</b>	Hybrid Battery Temperature Sensor “F”/“G” Correlation
<b>P0C87</b>	Hybrid Battery Temperature Sensor “G”/“H” Correlation
	Hyundai Specific Codes



# HYUNDAI

## Specific Trouble Codes

Trouble code	Fault location
<b>P1043</b>	DMTL - Power Stage (Valve)
<b>P1100</b>	Manifold Absolute Pressure(MAP) Sensor - Malfunction
<b>P1100</b>	Manifold ABSolute Pressure (MAP) Sensor Circuit Malfunction
<b>P1101</b>	Manifold Absolute Pressure(MAP) Sensor - Abnormal
<b>P1102</b>	Manifold Absolute Pressure(MAP) Sensor - Low Input
<b>P1102</b>	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input
<b>P1103</b>	Manifold Absolute Pressure(MAP) Sensor - High Input
<b>P1103</b>	Manifold Absolute Pressure/Barometric Pressure Circuit High Input
<b>P1104</b>	Air Flow Sensor
<b>P1105</b>	Air Flow Sensor - Abnormal
<b>P1106</b>	Air Flow Sensor - Low Input
<b>P1106</b>	Manifold ABSolute Pressure Sensor Circuit Circuit Short - Intermittent High Input
<b>P1106</b>	Manifold Absolute Pressure Sensor Circuit Intermittent high
<b>P1107</b>	Air Flow Sensor - High Input
<b>P1107</b>	Manifold ABSolute Pressure Sensor Circuit Circuit Short - Intermittent High Input
<b>P1107</b>	Manifold ABSolute Pressure Sensor Circuit Circuit Short - Intermittent Low Input
<b>P1107</b>	Manifold Absolute Pressure Sensor Circuit Intermittent low
<b>P1108</b>	Fuel Pump
<b>P1109</b>	Fuel Pump - Abnormal
<b>P1110</b>	Fuel Pump - Stuck On
<b>P1110</b>	Throttle Actuator Control System Malfunction
<b>P1111</b>	Fuel Pump - Electrical
<b>P1111</b>	Intake Air Temp Circuit High
<b>P1111</b>	Intake Air Temperature Sensor Circuit Intermittent high
<b>P1112</b>	Intake Air Temperature Sensor Circuit Intermittent low

Trouble code	Fault location
<b>P1112</b>	Intake Air Temp Circuit Low
<b>P1112</b>	Intak Air Temperature Sensor Circuit Intermittent low
<b>P1113</b>	Manifold Diff. Sensor-Abnormal
<b>P1114</b>	Engine Coolant Temperature Sensor Circuit Intermittent low
<b>P1114</b>	Engine Coolant Temp Low
<b>P1114</b>	Engine Coolant Temperature Sensor Circuit Intermittent low
<b>P1115</b>	Engine Coolant Temperature (ECT) Sensor Signal From ECU to TCU
<b>P1115</b>	Engine Coolant Temp High
<b>P1115</b>	Engine Coolant Temperature Sensor Circuit Intermittent high
<b>P1116</b>	Boost Pressure Sensor-Malfunction.
<b>P1118</b>	ETS Motor-Malfunction.
<b>P1118</b>	Throttle Actuator Control System Motor Malfunction
<b>P1120</b>	Electronic Governor-Malfunction.
<b>P1121</b>	APS PWM Output Circuit Malfunction
<b>P1122</b>	Over Boost Pressure-Malfunction.
<b>P1123</b>	Fuel System Rich-Idle
<b>P1123</b>	System too Rich at Idle(Bank 1)
<b>P1123</b>	Fuel Trim too Lean at Idle ( Additive) (Bank 1)
<b>P1124</b>	Fuel System Lean-Idle
<b>P1124</b>	Fuel System Lean-Idle
<b>P1125</b>	Fuel Press Sensor1
<b>P1126</b>	Fuel Press Sensor2
<b>P1127</b>	Fuel System Rich-Part Load
<b>P1127</b>	Fuel Trim too Rich at Higher Load(Bank 1)
<b>P1127</b>	Fuel Trim too Lean at Higher Load ( Multiple) (Bank 1)
<b>P1128</b>	Fuel System Lean-Part Load
<b>P1128</b>	Fuel Trim too Lean at Higher Load( Multiple) (Bank 1)
<b>P1129</b>	2nd Lock Solenoid Malfunction

Trouble code	Fault location
<b>P1130</b>	Start Solenoid Malfunction
<b>P1131</b>	Fuel Adjustment Resistor
<b>P1132</b>	Liquid Fuel Solenoid Malfunction
<b>P1133</b>	Vapor Fuel Solenoid Malfunction
<b>P1134</b>	Heated Oxygen Sensor (HO2S)-B1/S1
<b>P1134</b>	HO2S Circuit-Transition Switch Time Malfunction / Slope (Bank 1 / Sensor 1)
<b>P1135</b>	Injection Timing Servo-Malfunction
<b>P1136</b>	INJECTION ERR:DTV(LAMBDA)X
<b>P1140</b>	Rationality Check-Throttle Position Sensor (TPS), Mass Air Flow (MAF) Sensor
<b>P1141</b>	Slow Duty Solenoid Malfunction
<b>P1144</b>	Slow Cut Solenoid Malfunction
<b>P1145</b>	Main Duty Solenoid Malfunction
<b>P1146</b>	Idle CO Potentiometer
<b>P1147</b>	Accel Position Sensor(ETS) Circuit
<b>P1147</b>	Accelerator Pedal Position Sensor (APS) Circuit Malfunction
<b>P1147</b>	Accelerator Pedal Position Sensor (APS) Circuit - ETS
<b>P1151</b>	Accel Position Sensor(EMS) Circuit
<b>P1151</b>	Accelerator Pedal Position Sensor (APS) Circuit Malfunction
<b>P1151</b>	Accelerator Pedal Position Sensor (APS) Circuit - EMS
<b>P1152</b>	Accelerator Pedal Position Sensor (APS) Circuit-Low Input (EMS)
<b>P1152</b>	Accelerator Pedal Position Sensor (APS) Circuit-Low Input (EMS)
<b>P1153</b>	Accelerator Pedal Position Sensor (APS) Circuit-High Input (EMS)
<b>P1153</b>	Accelerator Pedal Position Sensor (APS) Circuit-High Input (EMS)
<b>P1154</b>	Heated Oxygen Sensor (HO2S)-B2/S1

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P1154</b>	HO2S Signal-Transition Switch Time Malfunction / Slope (Bank 2 / Sensor 1)
<b>P1155</b>	Limp Home Valve-Malfunction.
<b>P1155</b>	Limp Home Valve Malfunction
<b>P1159</b>	Variable Induction System
<b>P1159</b>	Variable Intake Motor Rotation System- Malfunction
<b>P1162</b>	High Pressure Pump&Fuel Line
<b>P1166</b>	Heated Oxygen Sensor (HO2S)(B1) Adaptation
<b>P1166</b>	Fuel Trim(Bank 1)
<b>P1167</b>	Heated Oxygen Sensor (HO2S)(B2) Adaptation
<b>P1167</b>	Fuel Trim(Bank 2)
<b>P1168</b>	Heated Oxygen Sensor (HO2S) Heater Power-B1/S2
<b>P1168</b>	HO2S Heater Power (Bank 1 / Sensor 2)
<b>P1169</b>	Heated Oxygen Sensor (HO2S) Heater Power-B2/S2
<b>P1169</b>	HO2S Heater Power (Bank 2 / Sensor 2)
<b>P1170</b>	Atmospheric Pressure Sensor Malfunction
<b>P1171</b>	ETS Valve Stuck-Open
<b>P1171</b>	Throttle Actuator Control System-Stuck Open
<b>P1172</b>	ETS-Improper Motor Current
<b>P1172</b>	Throttle Actuator Control System Improper Motor Current
<b>P1173</b>	ETS-Target Following Malfunction
<b>P1173</b>	Throttle Actuator Control System-Target Following Malfunction
<b>P1174</b>	ETS Valve Stuck-Close#1
<b>P1174</b>	Electric Throttle Valve Control System (ETS) Valve #1 Stuck - Close
<b>P1175</b>	ETS Valve Stuck-Close#2
<b>P1175</b>	Electric Throttle Valve Control System (ETS) Valve #2 Stuck - Close
<b>P1176</b>	ETS Motor Open Short #1
<b>P1176</b>	Electric Throttle Valve Control System (ETS) Motor #1 Open or Short
<b>P1177</b>	ETS Motor Open Short #2
<b>P1177</b>	Electric Throttle Valve Control System (ETS) Motor #2 Open or Short
<b>P1178</b>	ETS Motor Power-Open
<b>P1178</b>	Electric Throttle Valve Control System (ETS) Motor Power Open
<b>P1179</b>	Throttle Actuator Control System Throttle Position F/B - Mismatch

Trouble code	Fault location
<b>P1179</b>	Throttle Actuator Control System Throttle Position F/B - Mismatch
<b>P1180</b>	Fuel Pressure Regulator - Malfunction
<b>P1180</b>	HO2S 1 Heater Circuit-Malfunction
<b>P1181</b>	Fuel Pressure Monitoring - Malfunction
<b>P1181</b>	Fuel Pressure Monitoring - Malfunction
<b>P1182</b>	Fuel Pressure Regulator - Short Circuit
<b>P1182</b>	Fuel Pressure Regulator - Short Circuit
<b>P1182</b>	HO2S 2 Heater Circuit-Malfunction
<b>P1183</b>	Fuel Pressure Regulator - Open Circuit
<b>P1183</b>	Fuel Pressure Regulator - Open Circuit
<b>P1184</b>	O2 Sensor Circuit No Activity Detected (Bank 1 / Sensor 2)
<b>P1184</b>	Fuel Pressure Regulator - Power
<b>P1185</b>	Maximum Pressure Exceeded
<b>P1185</b>	Fuel Pressure Monitoring - Excessive
<b>P1186</b>	Minimum Pressure at Engine Speed Too Low
<b>P1186</b>	Fuel Pressure Monitoring - too Low
<b>P1187</b>	Fuel Pressure Monitoring - Regulator Valve Stuck
<b>P1187</b>	Fuel Pressure Monitoring - Regulator Valve Stuck
<b>P1188</b>	Fuel Pressure Monitoring - Leakage
<b>P1188</b>	Fuel Pressure Monitoring - Leakage
<b>P1189</b>	Governor Deviation
<b>P1190</b>	Intake Throttle Actuator-Malfunction
<b>P1190</b>	Intake Throttle Actuator-Malfunction
<b>P1191</b>	ETS-Limp Home Valve On
<b>P1191</b>	Throttle Actuator Control System Limp Home-Valve On
<b>P1192</b>	Limp Home-Target Follow Malfunction.
<b>P1192</b>	ETS LimpHome-Target Following Malfunction
<b>P1192</b>	Throttle Actuator Control System Limp Home-Target Following Delay
<b>P1193</b>	Limp Home-Low Rpm
<b>P1193</b>	Throttle Actuator Control System Limp Home-Low RPM
<b>P1194</b>	Limp Home-TPS2 Position Malfunction
<b>P1194</b>	Throttle Actuator Control System Limp Home-Throttle Position Sensor 2 Position Malfunction
<b>P1195</b>	Limp Home-Target Follow Delay
<b>P1195</b>	Throttle Actuator Control System Limp Home-Target Following Malfunction
<b>P1195</b>	Throttle Actuator Control System Limp Home-Target Following Delay

Trouble code	Fault location
<b>P1196</b>	Limp Home-Close Stuck
<b>P1196</b>	Throttle Actuator Control System Limp Home-Stuck
<b>P1221</b>	Feedback (Main Duty) Solenoid
<b>P1229</b>	LPG Relay Circuit High
<b>P1229</b>	Fuel Pump Diagnosis Malfunction
<b>P1230</b>	Slow Duty Solenoid
<b>P1230</b>	Fuel Pump malfunction
<b>P1231</b>	Fuel Pump malfunction
<b>P1235</b>	Active Air Flap System Fail
<b>P1236</b>	Active Air Flap F/B Voltage Low
<b>P1237</b>	Active Air Flap F/B Voltage High
<b>P1240</b>	Second Lock Solenoid
<b>P1240</b>	Injector Leak Detected
<b>P1250</b>	Pressure Regulator Solenoid Malfunction
<b>P1252</b>	Pressure Regulator Solenoid High
<b>P1282</b>	Humidity Sensor Open (High) - AUTO Defog
<b>P1283</b>	Direction Potentiometer Open (Low) - AUTO Defog
<b>P1284</b>	Direction Potentiometer Short (High) - Auto Defog
<b>P1285</b>	Direction Control Motor -AUTO Defog
<b>P1290</b>	Pressure Limit Valve (DVB3) Error
<b>P1295</b>	ETC System Power Management
<b>P1295</b>	Limp Home Mode - Power Management
<b>P1300</b>	TDC Sensor
<b>P1300</b>	Spark Timing Adjust Signal
<b>P1300</b>	Crankshaft Position-Camshaft Position Correlation
<b>P1301</b>	TDC Sensor - Abnormal
<b>P1302</b>	TDC Sensor - Low Input
<b>P1303</b>	TDC Sensor - High Input
<b>P1304</b>	Phase Sensor
<b>P1305</b>	Phase Sensor - Abnormal
<b>P1306</b>	Phase Sensor - Low Input
<b>P1307</b>	Phase Sensor - High Input
<b>P1307</b>	Acceleration Sensor Range/Performance
<b>P1307</b>	Accelerator Pedal Position Sensor (APS) Malfunction
<b>P1308</b>	Acceleration Sensor Circuit Low Input
<b>P1308</b>	Acceleration Sensor - Low Input
<b>P1309</b>	Acceleration Sensor Circuit High Input
<b>P1309</b>	Acceleration Sensor - High Input

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
P1310	IG.Coil.1 - Low Output
P1311	IG.Coil.1 - High Output
P1312	IG.Coil.2
P1313	IG.Coil.2 - Abnormal
P1314	IG.Coil.2 - Low Output
P1315	IG.Coil.2 - High Output
P1316	IG.Coil.3
P1317	IG.Coil.3 - Abnormal
P1318	IG.Coil.3 - Low Output
P1319	IG.Coil.3 - High Output
P1320	IG.Coil.4
P1321	IG.Coil.4 - Abnormal
P1322	IG.Coil.4 - Low Output
P1323	IG.Coil.4 - High Output
P1330	Spark Timing Adjust Signal
P1330	Spark Timing Adjust Signal
P1372	Segment Time Incorrect
P1372	Segment Time Acquisition Incorrect
P1386	Kncok Sensor Circuit Malfunction
P1400	Manifold Diff. Pressure Sensor
P1401	DMTL Performance
P1401	DMTL Performance
P1401	DMTL Motor Circuit Malfunction
P1402	DMTL Motor Circuit
P1402	DMTL Motor Circuit
P1402	DMTL Motor Circuit Malfunction
P1403	DMTL Valve Circuit
P1403	DMTL Motor Circuit Malfunction
P1403	DMTL Valve Circuit
P1404	DMTL Heater Circuit Malfunction
P1405	EGR Temperature Incorrect
P1406	Exhaust Gas Temperature not Plausible between Calculated and Simulated
P1415	2nd Air Injection Insufficient (B1)
P1416	Secondary Air Injection
P1416	2nd Air Injection Insufficient (Bank 1)
P1418	2nd Air Injection Insufficient (B2)
P1419	2nd Air Injection Valve
P1440	Evap.System-Vent Circuit

Trouble code	Fault location
P1440	Evaporative System-Vent Circuit
P1443	Evap.System-Tank Cap Missing
P1443	Evaporative Emission Control System Leak Detected
P1458	A/C Compressor Input Signal Malfunction
P1500	Air Conditioning(A/C) Switch
P1500	Vehicle Speed Sensor Signal Circuit Malfunction
P1501	Brake Switch
P1501	Battery Temperature Too High Diagnostic
P1502	Wheel Speed Sensor Circuit
P1502	Vehicle Speed Sensor Signal Circuit Malfunction
P1502	Battery Not Charging Diagnostic
P1503	Accel Switch
P1503	Cruise Control Malfunction-Control Switch
P1504	Inhibitor Switch
P1504	Cruise Control Malfunction-Cancel
P1505	Idle Speed Control Actuator Signal Low of Coil #1
P1505	Idle Air Control Valve Opening Coil Signal Low Input
P1505	Idle Speed Control Actuator Circuit 1-Low
P1505	Idle Speed Control Actuator Signal Low of Coil #1
P1506	Idle Speed Control Actuator Signal High of Coil #1
P1506	Idle Speed Control Actuator Signal High of Coil #1
P1506	Idle Speed Control Actuator Circuit 1-High
P1506	Idle Speed Control Actuator Signal High of Coil #1
P1507	Idle Speed Control Actuator Signal Low of Coil #2
P1507	Idle Speed Control Actuator Signal Low of Coil #2
P1507	Idle Speed Control Actuator Circuit 1-Low
P1507	Idle Speed Control Actuator Circuit 2-Low
P1508	Idle Speed Control Actuator Signal High of Coil #2
P1508	Idle Speed Control Actuator Signal High of Coil #2
P1508	Idle Speed Control Actuator Circuit 2-High
P1509	MPS - High
P1510	ISC Circuit Open/Short
P1510	Idle Air Control Valve Opening Coil Signal High Input
P1510	Idle Speed Control Actuator Circuit 1-High
P1510	Idle Speed Control Actuator Coil1 Signal Incorrect
P1510	LPG Switch Line Malfunction
P1511	ISC Circuit Open/Short
P1511	Idle Speed Control Actuator Circuit 1-Low

Trouble code	Fault location
P1511	Idle Speed Control Actuator Coil2 Signal Incorrect
P1512	Engine Coolant Temperature Sensor - Low
P1513	ISC Actuator (Open)-Open
P1513	Idle Air Control Valve Opening Coil Signal Low Input
P1513	Idle Speed Control Actuator Circuit 1-Low
P1514	Oil Temperature Sensor
P1515	Oil Temperature Sensor - Abnormal
P1515	Idle Speed Control Actuator Circuit 1-Low
P1515	Idle Speed Control Actuator Coil #1 (Open) Command Signal Malfunction
P1516	Oil Temperature Sensor - Low
P1516	Idle Speed Control Actuator Circuit 2-High
P1516	Idle Speed Control Actuator Coil #2 (Close) Command Signal Malfunction
P1517	Oil Temperature Sensor - High
P1520	Generator FR Terminal-Malfunction.
P1520	Alternator Charging Signal Malfunction
P1521	Power Steering Switch-Malfunction.
P1521	Power Steering Pressure Sensor/Switch Circuit Range/Performance
P1521	Power Steering Switch Malfunction
P1522	Battery
P1522	Sensor Supply Voltage 1-Low Input
P1523	ETC Throttle Position Sensor Position Reset Malfunction
P1523	Sensor Supply Voltage 1-High Input
P1523	Not Applicable-Used only as a service aid-not emissions related
P1523	Throttle Actuator Control System - Throttle Valve Stuck
P1524	Sensor Supply Voltage 2-Low Input
P1525	Aps/Boost Pressure Sensor Power
P1525	Sensor Supply Voltage 2-High Input
P1526	Sensor Supply Voltage 1-Malfunction
P1527	Sensor Supply Voltage 2-Malfunction
P1529	TCM MIL On Request Signal
P1529	Transmission Control System (MIL Request)
P1529	TCM Request For Malfunction Indicator Lamp (MIL) On Signal
P1529	TCM MIL On Request Signal
P1530	Maximum Vehicle Speed Limiting-Malfunction
P1533	VICS Solenoid Valve 2 Circuit Malfunction



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P1539</b>	LPI Gas Injection
<b>P1539</b>	IFB ECU-Malfunction
<b>P1540</b>	LPI Gas System
<b>P1540</b>	CHECK IFB ECU (Mil off Error)
<b>P1545</b>	A/C Compressor Switch Open/Short
<b>P1550</b>	Knock Sensor Evaluation IC Error
<b>P1550</b>	Knock Sensor Evaluation IC Error
<b>P1552</b>	ISC Actuator (Close)-Short
<b>P1552</b>	Idle Speed Control Actuator Circuit 2-High
<b>P1553</b>	ISC Actuator (Close)-Open
<b>P1553</b>	Idle Speed Control Actuator Circuit 2-Low
<b>P1555</b>	Idle CO Potentiometer Open/Short
<b>P1555</b>	Idle Co Potentiometer Open or Short
<b>P1560</b>	Knock Control Serial Port Interface check (Bank 1)
<b>P1560</b>	Knock Control Serial Port Interface check (Bank 1)
<b>P1566</b>	Analog Battery Sensor Circuit
<b>P1569</b>	Fuel Pressure Control Valve Current Abnormal
<b>P1572</b>	Cruise Control System-Vehicle Speed lower than target speed
<b>P1573</b>	Cruise Control System-Vehicle Speed Too low
<b>P1586</b>	MT/AT Encoding Signal Error
<b>P1586</b>	MT/AT Encoding Signal Malfunction
<b>P1593</b>	VICS Solenoid Valve 1 Circuit Malfunction
<b>P1600</b>	Serial Communication-Malfunction (With A/T)
<b>P1600</b>	Serial Communication Problem With TCM
<b>P1601</b>	ECU 'L' Line
<b>P1602</b>	Serial Communication Problem-TCM
<b>P1602</b>	Serial Communication Problem With TCM
<b>P1602</b>	CAN Communication-No Signal
<b>P1603</b>	ECM-TCS Control Module Communication Line
<b>P1603</b>	ECU-TCU Communication Line Malfunction
<b>P1603</b>	TCU Communication Line or TCU Error
<b>P1603</b>	ECM-TCS Communication Line Malfunction
<b>P1603</b>	CAN-Bus-Off(TCU Fail or Circuit Fail)
<b>P1603</b>	CAN Communication Bus Off
<b>P1604</b>	TPS Communication Unification Malfunction.
<b>P1604</b>	CAN-Bus-Off(TCU Fail or Circuit Fail)
<b>P1604</b>	No ID From ECU Malfunction
<b>P1604</b>	Lost Communication With ECM/PCM 'A' (C-CAN)

Trouble code	Fault location
<b>P1605</b>	Internal Control Module Read Only Memory(ROM) Error(IFB)
<b>P1605</b>	Acceleration Sensor Malfunction
<b>P1606</b>	Vacuum Solenoid Valve Abnormal
<b>P1606</b>	Chassis Acceleration Sensor Signal Malfunction
<b>P1607</b>	Serial Communication Problem with IFB ECU (Timeout)
<b>P1607</b>	Serial Communication Problem with IFB ECU (Timeout)
<b>P1607</b>	ECM-ETS Communication Line-Malfunction (EMS->ETS)
<b>P1608</b>	Vacuum Solenoid Valve Electrical.
<b>P1608</b>	ECM-ETS Communication Line-Malfunction (ETS- >EMS)
<b>P1609</b>	Immobilizer Communication.-Malfunction
<b>P1609</b>	Immobilizer Communication-Malfunction
<b>P1610</b>	Non-Immobilizer-EMS Connected to an Immobilizer
<b>P1610</b>	Non-Immobilizer-EMS Connected to an Immobilizer
<b>P1610</b>	Immobilizer-Smartra Error
<b>P1611</b>	Ventilation Solenoid Valve Stuck On
<b>P1611</b>	ECM-TCM Malfunction Indicator Lamp (MIL) Request Line
<b>P1611</b>	Malfunction Indicator Lamp (MIL) Request Circuit Low
<b>P1612</b>	Ventilation Solenoid Valve Electrical.
<b>P1613</b>	ECM-Malfunction
<b>P1613</b>	ECM-ETS Communication Line-Malfunction (EMS->ETS)
<b>P1613</b>	ECM Malfunction (Communication EMS ETS)
<b>P1613</b>	ECU-Failure
<b>P1613</b>	ECM-Failure
<b>P1613</b>	Malfunction Indicator Lamp (MIL) Request Circuit High
<b>P1614</b>	ETS ECM-Malfunction.
<b>P1614</b>	ETS ECU-Malfunction (EEPROM R/W)
<b>P1615</b>	P/N Relay
<b>P1615</b>	P/N Relay
<b>P1615</b>	ETS Malfunction (Communication ETS-EMS)
<b>P1616</b>	Main Relay-Malfunction
<b>P1616</b>	Main Relay Control Circuit Malfunction
<b>P1617</b>	Malfunction Indicator Lamp (MIL) Power Stage Malfunction
<b>P1619</b>	Main Relay
<b>P161B</b>	ECM Torque Calculation Performance
<b>P1620</b>	A/C Cut Relay Malfunction
<b>P1620</b>	A/C Compressor Relay-Short
<b>P1621</b>	Fuel Cut Valve-Malfunction.
<b>P1621</b>	A/C Compressor Relay Circuit - Open or Short

Trouble code	Fault location
<b>P1622</b>	A/C Control Circuit Fail
<b>P1622</b>	A/C Compressor Relay Circuit Malfunction
<b>P1623</b>	Diagnostic Lamp-Malfunction
<b>P1623</b>	Malfunction Indicator Lamp (MIL) Control Circuit
<b>P1623</b>	Diagnostic Lamp Malfunction
<b>P1623</b>	Cooling Fan Relay Circuit Malfunction
<b>P1624</b>	Cooling Fan Relay(Low) Circuit.
<b>P1624</b>	Cooling Fan Relay (Low) Circuit-Malfunction
<b>P1624</b>	Cooling Fan Relay(Low) Circuit Malfunction
<b>P1624</b>	Cooling Fan Relay (High) Circuit Malfunction
<b>P1625</b>	Cooling Fan Relay(High) Circuit
<b>P1625</b>	Cooling Fan Relay (High) Circuit Malfunction
<b>P1628</b>	Vapor Lamp Malfunction
<b>P1629</b>	Condenser Fan Relay (High) Circuit-Malfunction
<b>P1630</b>	CAN-Bus-Off
<b>P1630</b>	TCU Communication Line Malfunction
<b>P1630</b>	CAN Communication Bus Off
<b>P1631</b>	CAN-Time Out ECM
<b>P1631</b>	ECU Communication Line Malfunction
<b>P1631</b>	Lost Communication With ECM/PCM 'A' (C-CAN)
<b>P1632</b>	CAN Bus Off
<b>P1632</b>	ECU-TCS Communication Line Malfunction
<b>P1632</b>	CAN Communication Bus Off
<b>P1633</b>	Battery Overcharge
<b>P1634</b>	Auxiliary Heater Relay Short or Open
<b>P1634</b>	Auxiliary Heater Relay Short or Open
<b>P1635</b>	Water Heater Relay-Malfunction
<b>P1635</b>	Water Heater Relay-Malfunction
<b>P1636</b>	Voltage Regulator For Injector
<b>P1636</b>	Voltage Regulator For Injector
<b>P1638</b>	ECM (Microcontroller) - Malfunction
<b>P1638</b>	ECM (Microcontroller) - Malfunction
<b>P1639</b>	ECM (Monitoring ADC) - Malfunction
<b>P1639</b>	ECM (Monitoring ADC) - Malfunction
<b>P1640</b>	Variable Intake Motor-1
<b>P1640</b>	Variable Intake Manifold Control Motor 1 Circuit-Malfunction (VIM 1)
<b>P1641</b>	Variable Intake Motor-2

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P1641</b>	Variable Intake Manifold Control Motor 2 Circuit-Malfunction (VIM 2)
<b>P1642</b>	Non-Immobilizer ECM Equipped
<b>P1642</b>	Immobilizer-BCM Mismatch
<b>P1645</b>	Booster Voltage-Operating Injector
<b>P1645</b>	Booster Voltage-Operating Injector
<b>P1646</b>	Booster Voltage-too High
<b>P1647</b>	Booster Voltage-too Low
<b>P1650</b>	Malfunction Indicator Lamp (MIL) Control Circuit
<b>P1650</b>	Indication lamp circuit malfunction
<b>P1652</b>	Ignition Switch Malfunction
<b>P1652</b>	Ignition Switch Malfunction
<b>P1653</b>	Error Check After Ignition Off-Malfunction
<b>P1653</b>	Error Check After Ignition Off-Malfunction
<b>P1655</b>	Unused Power Stage B
<b>P1657</b>	Unused Power Stage C
<b>P1660</b>	Cruise Control Switch - Malfunction
<b>P1661</b>	Cruise Control Indicator Lamp-Malfunction
<b>P1670</b>	Invalid Injector IQA/C2I
<b>P1671</b>	Injector Classification-Write Error
<b>P1672</b>	Fan Relay Malfunction-Low Speed
<b>P1673</b>	Cooling Fan Circuit Malfunction
<b>P1674</b>	Cooling Fan Control 3 Circuit Malfunction
<b>P1674</b>	A/C Condenser Fan Relay-Malfunction
<b>P1674</b>	Immobilizer-Transponder status Error
<b>P1674</b>	Immobilizer-Transponder Programming Error
<b>P1675</b>	Cooling Fan Control 1 Circuit Low
<b>P1675</b>	Immobilizer-Transponder Programming Error
<b>P1675</b>	Immobilizer-Transponder Program Error
<b>P1676</b>	Cooling Fan Control 1 Circuit High
<b>P1676</b>	Immobilizer-Smartra Message Error
<b>P1677</b>	Cooling Fan Control 2 Circuit Low
<b>P1677</b>	EMS -VIN Data Error
<b>P1677</b>	Immobilizer-EMS VIN Data Error (EMS has different VIN)
<b>P1678</b>	Cooling Fan Control 2 Circuit High
<b>P1678</b>	Cooling Fan Control 2 Circuit High
<b>P1678</b>	EMS-No Request
<b>P1678</b>	EMS No Request ( EMS data line open, no immo.)

Trouble code	Fault location
<b>P1678</b>	Immobilizer-EMS No Request ( EMS data line open, no immo.)
<b>P1679</b>	Cooling Fan Control 3 Circuit Low
<b>P1679</b>	Cooling Fan Control 3 Circuit Low
<b>P1679</b>	EMS-Data Fail
<b>P1679</b>	EMS Data Fail (Data frame, CS, Message error)
<b>P1679</b>	Immobilizer-EMS Data Fail (Data frame, CS, Message error)
<b>P1688</b>	Immobilizer Lock
<b>P1688</b>	Immobilizer Lock
<b>P1689</b>	Immobilizer - Unregistered Transponder
<b>P1689</b>	Immobilizer - Unregistered Transponder
<b>P1690</b>	Smartra No Response
<b>P1690</b>	Immobilizer-Smartra No Response
<b>P1690</b>	Immobilizer-Smartra Error
<b>P1691</b>	Immobilizer-Antena Error
<b>P1691</b>	Immobilizer-Antena Error
<b>P1691</b>	Immobilizer-Antenna Coil Error
<b>P1691</b>	Immobilizer-Antenna Error
<b>P1692</b>	Immobilizer Indicator Lamp
<b>P1692</b>	Immobilizer Indicator Lamp Error
<b>P1692</b>	Immobilizer Lamp Error
<b>P1693</b>	Transponder No Response Error_Invalid Response
<b>P1693</b>	Immobilizer-Transponder Error
<b>P1693</b>	Transponder-Untaught (Virgin)
<b>P1693</b>	TCM Malfunction Indicator Lamp (MIL) Request Line Malfunction
<b>P1694</b>	Immobilizer-ECU Signal Error
<b>P1694</b>	Immobilizer-EMS Message Error
<b>P1694</b>	Immobilizer-ECU Signal Error
<b>P1695</b>	Immobilizer-EEPROM Error
<b>P1695</b>	Immobilizer-EEPROM Error
<b>P1695</b>	Immobilizer-EMS Memory Error
<b>P1696</b>	Immobilizer-Key Mismatched
<b>P1696</b>	Immobilizer-Key Mismatched
<b>P1696</b>	Immobilizer-Authentication Fail
<b>P1696</b>	Authentication Fail
<b>P1697</b>	Immobilizer-Tool Message Error
<b>P1697</b>	Immobilizer-Tool Message Error
<b>P1698</b>	Key ID not Valid

Trouble code	Fault location
<b>P1698</b>	Cooling Fan Relay Circuit-High
<b>P1698</b>	Key ID not Valid
<b>P1698</b>	Transponder-Invalid
<b>P1698</b>	Invalid TP (TP has different PIN)
<b>P1698</b>	Immobilizer-Invalid TP (TP has different PIN)
<b>P1699</b>	Immobilizer-Twice Overtrial
<b>P1699</b>	Immobilizer-Twice Overtrial
<b>P169A</b>	Immobilizer-SMARTRA Authentication Fail
<b>P169A</b>	Immobilizer-SMARTRA Authentication Fail
<b>P169A</b>	Smartra Authentication fail
<b>P1700</b>	Gear Shift Malfunction
<b>P1701</b>	Throttle Position Sensor(TPS)
<b>P1702</b>	Throttle Position Sensor(TPS)-Abnormal
<b>P1702</b>	Throttle Position Sensor (TPS)-Malfunction Adjustment
<b>P1703</b>	Throttle Position Sensor(TPS)-Open/Short(GND)
<b>P1703</b>	Throttle Position Sensor (TPS)-Open or Short
<b>P1704</b>	Throttle Position Sensor(TPS)-High Input
<b>P1704</b>	Throttle Position Sensor (TPS)-Open or Short
<b>P1704</b>	Throttle Position Sensor (TPS)-Short
<b>P1706</b>	Inhibitor Switch
<b>P1707</b>	Brake Switch
<b>P1707</b>	Cruise Control System Malfunction-Brake Switch
<b>P1708</b>	Accel Switch
<b>P1709</b>	K/D Servo Switch-Open/Short
<b>P1709</b>	Kick Down Servo Switch-Open or Short to Ground
<b>P1710</b>	Oil Temperature Sensor
<b>P1711</b>	Oil Temperature Sensor Abnormal
<b>P1712</b>	Oil Temperature Sensor Low Input
<b>P1713</b>	Oil Temperature Sensor High Input
<b>P1714</b>	Idle Switch
<b>P1714</b>	Closed Throttle Position Switch
<b>P1715</b>	Air Conditioning(A/C)Switch
<b>P1715</b>	A/C Switch Circuit Malfunction
<b>P1716</b>	Steering Sensor
<b>P1716</b>	Steering Wheel Angle Sensor-Input Signal Malfunction H
<b>P1716</b>	Steering Wheel Angle Sensor-Input Signal Malfunction
<b>P1717</b>	Steering Wheel Angle Sensor 1-Input Signal
<b>P1717</b>	Steering Wheel Angle Sensor 1-Input Signal H

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P1717</b>	Steering Wheel Angle Sensor 1-Input Signal
<b>P1718</b>	Steering Wheel Angle Sensor 2-Input Signal
<b>P1718</b>	Steering Wheel Angle Sensor 2-Input Signal H
<b>P1718</b>	Steering Wheel Angle Sensor 2-Input Signal
<b>P1719</b>	Steering Wheel Angle Sensor N-Input Signal
<b>P1719</b>	Steering Wheel Angle Sensor N-Input Signal H
<b>P1719</b>	Steering Wheel Angle Sensor N-Input Signal
<b>P1721</b>	Control Relay
<b>P1722</b>	Control Relay - Abnormal
<b>P1723</b>	Control Relay - Stuck On
<b>P1723</b>	TCM Power Relay Control Circuit/Open
<b>P1723</b>	TCM Power Relay Open or Short (Ground)
<b>P1724</b>	Control Relay - Electrical
<b>P1725</b>	TOD Control Module Error
<b>P1726</b>	Throttle Position Sensor (APS) Input-Loss of Signal
<b>P1726</b>	Throttle Position Sensor (TPS) Input-Loss of Signal H
<b>P1726</b>	Throttle Position Sensor (APS) Input-Loss of Signal
<b>P1727</b>	Throttle Position Sensor (TPS) Input-Out of Range
<b>P1728</b>	EMC-Open or Short to Battery
<b>P1728</b>	EMC-Open or Short to Battery H
<b>P1728</b>	EMC-Open or Short to Battery
<b>P1729</b>	EMC-Short to Ground
<b>P1729</b>	EMC-Short to Ground H
<b>P1729</b>	EMC-Short to Ground
<b>P1730</b>	Front Speed Sensor-Low Input
<b>P1731</b>	Front Speed Sensor-High Input
<b>P1732</b>	Rear Speed Sensor-Low Input
<b>P1733</b>	Rear Speed Sensor-High Input
<b>P1734</b>	Vehicle Speed Sensor Reference Voltage Low
<b>P1735</b>	Vehicle Speed Sensor Reference Voltage High
<b>P1736</b>	Shift Motor-Open or Short to Battery
<b>P1736</b>	Motor Supply Voltage - High voltage
<b>P1737</b>	Shift Motor-Open or Short to Ground
<b>P1737</b>	ECV Stick
<b>P1737</b>	Motor Supply Voltage - Low Voltage
<b>P1738</b>	Shift System Timeout
<b>P1738</b>	4WD ECU Invalid Part Number H
<b>P1738</b>	4WD ECU Invalid Part Number

Trouble code	Fault location
<b>P1739</b>	General Position Encoder Fault
<b>P1740</b>	Position 1-Short to Ground
<b>P1741</b>	Position 2-Short to Ground
<b>P1742</b>	Position 3-Short to Ground
<b>P1742</b>	TCM Power Relay Open or Short (Ground)
<b>P1743</b>	Position 4-Short to Ground
<b>P1744</b>	Lock Up Clutch System
<b>P1744</b>	Abnormal Vibration Occurrence
<b>P1745</b>	TCM 'K' Line
<b>P1745</b>	4WD ECU Invalid Part Number H
<b>P1745</b>	4WD ECU Invalid Part Number
<b>P1746</b>	TCM 'L' Line
<b>P1747</b>	TCM-ECM Communication Line #1 Malfunction.
<b>P1748</b>	TCM-ECM Communication Line #2 Malfunction.
<b>P1749</b>	Serial Communication Link-Open/Short
<b>P1749</b>	Serial Communication Link-Open or Short
<b>P1750</b>	TPS Communication Unification Malfunction.
<b>P1750</b>	Throttle Position Sensor (TPS) Communication Malfunction
<b>P1750</b>	Wheel Speed Sensor Signal (Left Front) H
<b>P1750</b>	Wheel Speed Sensor Signal (Left Front)
<b>P1751</b>	Auto Control Relay-Malfunction
<b>P1751</b>	Wheel Speed Sensor Signal (Right Front)
<b>P1751</b>	Wheel Speed Sensor Signal (Right Front) H
<b>P1752</b>	Lamp 'P'
<b>P1752</b>	Wheel Speed Sensor Signal (Left Rear)
<b>P1752</b>	Wheel Speed Sensor Signal (Left Rear) H
<b>P1753</b>	Lamp 'R'
<b>P1753</b>	Wheel Speed Sensor Signal (Right Rear) H
<b>P1753</b>	Wheel Speed Sensor Signal (Right Rear)
<b>P1754</b>	Lamp 'N'
<b>P1755</b>	Lamp 'D'
<b>P1755</b>	EMC Over Current
<b>P1756</b>	Lamp '3'
<b>P1756</b>	EMC Internal Error
<b>P1757</b>	Lamp '2'
<b>P1757</b>	EMC PWM Out of Range
<b>P1758</b>	Lamp 'L'
<b>P1759</b>	Control Module-Check Sum

Trouble code	Fault location
<b>P1760</b>	Control Module-Programming
<b>P1760</b>	Neutral Condition At R Range
<b>P1761</b>	Control Module-KAM
<b>P1762</b>	Control Module-RAM
<b>P1763</b>	Control Module-ROM
<b>P1764</b>	CAN Controller-Malfunction.
<b>P1764</b>	ECU-ITM CAN Communication Line
<b>P1764</b>	CAN Controller-Malfunction
<b>P1764</b>	ECU-ITM CAN Communication Line H
<b>P1764</b>	ECU-ITM CAN Communication Line
<b>P1764</b>	CAN MI-Communication or Circuit Malfunction
<b>P1765</b>	Transmission Fluid Pressure Sensor Signal Low
<b>P1765</b>	Torque Reduction Request
<b>P1765</b>	TCS-ITM CAN Communication Line H
<b>P1765</b>	Torque Reduction Request Malfunction
<b>P1765</b>	TCS-ITM CAN Communication Line
<b>P1766</b>	Transmission Fluid Pressure Sensor Signal High
<b>P1766</b>	CAN Communication Bus Off
<b>P1766</b>	CAN Communication Bus Off H
<b>P1766</b>	Torque Reduction Execution
<b>P1766</b>	CAN Communication Bus Off
<b>P1767</b>	CAN ABS Loss of Signal H
<b>P1767</b>	CAN ABS Loss of Signal
<b>P1767</b>	ABS Active Signal (CAN Error)
<b>P1769</b>	Tire Size Fault
<b>P1770</b>	Secondary Speed Sensor-System Error
<b>P1770</b>	Secondary Speed Sensor-System Error
<b>P1770</b>	EMC thermal Protection - Lock Mode
<b>P1771</b>	Shifting Position
<b>P1771</b>	Shifting Position
<b>P1771</b>	EMC Thermal Protection - Shutdown
<b>P1772</b>	Selection Position
<b>P1773</b>	Gearbox Input Speed Sensor
<b>P1774</b>	CRC Sensor
<b>P1774</b>	Speed Command PWM Line
<b>P1775</b>	TCM-Malfunction
<b>P1775</b>	OPU Status Line
<b>P1776</b>	Power Control Module-Malfunction.



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P1776</b>	Electric Oil Pump Hall IC Sensor failure
<b>P1777</b>	PCM Output-Malfunction.
<b>P1777</b>	OPU Power Control Circuit Failure
<b>P1778</b>	Electro Valve Output-Malfunction.
<b>P1778</b>	Engine Clutch VFS Fail
<b>P1779</b>	Starter Inhibit Relay-Malfunction.
<b>P1779</b>	Supply Voltage Missing
<b>P1780</b>	Push-Pull Sensor
<b>P1780</b>	Battery Voltage High
<b>P1780</b>	Engine Size Failure
<b>P1780</b>	Torque Reduction Request Signal (TCU-ECU)
<b>P1780</b>	Engine Size Failure
<b>P1780</b>	Control Unit Supply High Voltage
<b>P1780</b>	Torque Control Signal Failure
<b>P1781</b>	Actuator
<b>P1781</b>	Battery Voltage Low
<b>P1781</b>	Control Unit Supply Low Voltage
<b>P1782</b>	Actuator Position Sensor
<b>P1782</b>	Ignition Voltage Fault
<b>P1782</b>	Invalid Transmission Gear
<b>P1783</b>	ABS-CVT Communication Line Short
<b>P1784</b>	EOP 3-Phase Wiring line open
<b>P1785</b>	Primary Speed Sensor-Open or Short
<b>P1785</b>	Inhibitor Switch Circuit Low
<b>P1786</b>	Inhibitor Switch Circuit High
<b>P1787</b>	Hydraulic Ratio Checking
<b>P1787</b>	TGS Lever Position Sensor Error
<b>P1791</b>	Throttle Position Sensor (TPS) Input Circuit Malfunction
<b>P1795</b>	L4 Switch Signal Circuit
<b>P17C0</b>	DCT None-EOL
<b>P17C1</b>	Clutch1 Actuator Error
<b>P17C2</b>	Clutch2 Actuator Error
<b>P1800</b>	Immobilizer Antenna Error
<b>P1800</b>	Immobilizer-Antenna Error
<b>P1801</b>	Immobilizer Transponder
<b>P1801</b>	Immobilizer Transponder Error
<b>P1802</b>	Immobilizer Antenna Error
<b>P1802</b>	Immobilizer-Antenna Error

Trouble code	Fault location
<b>P1803</b>	Immobilizer ECM Signal
<b>P1803</b>	Immobilizer-ECU Signal Error
<b>P1805</b>	Immobilizer EEPROM Error
<b>P1805</b>	Immobilizer-EEPROM Error
<b>P1807</b>	Clutch Position Sensor “B” Circuit Low
<b>P1808</b>	Clutch Position Sensor “B” Circuit High
<b>P1811</b>	ESP(TCS) Torque increase Over
<b>P1815</b>	ESP(TCS) Auto Recognition Error
<b>P1820</b>	Pump for 4WD Motor High Overcurrent Detected
<b>P1821</b>	Pump for 4WD Motor Wire Short to Battery
<b>P1822</b>	Pump for 4WD Motor Wire Open Load
<b>P1823</b>	Pump for 4WD Motor Wire Short to GND
<b>P1824</b>	Pump for 4WD Slow Thermal Overload
<b>P1825</b>	Pressure Sensor for 4WD Supply Short to Battery
<b>P1826</b>	Pressure Sensor for 4WD Supply Short to Ground
<b>P1827</b>	Pressure Sensor for 4WD Signal Wire Short to Battery
<b>P1828</b>	Pressure Sensor for 4WD Signal Wire Short to Ground
<b>P1829</b>	Clutch Torque Tolerance Upper Limit
<b>P1830</b>	Clutch Torque Tolerance Lower Limit
<b>P1831</b>	Clutch Thermal Overstress Warning
<b>P1832</b>	Clutch Thermal Overstress Shutdown
<b>P1833</b>	Actuator Thermal Overstress Warning
<b>P1834</b>	Actuator Thermal Overstress Shutdown
<b>P1835</b>	Pressure Sensor for 4WD Supply Offset Failure
<b>P1836</b>	Bleed Pressure Line Test Error
<b>P1837</b>	Vehicle Variant Can Not Be Detected
<b>P1900</b>	Clutch Actuator “B” Circuit/Open
<b>P1925</b>	Reverse Lamp Relay
<b>P1929</b>	Shift Lock Solenoid
<b>P1986</b>	EOP Relay Error
<b>P1A6F</b>	Airbag Deployment Signal Circuit High
<b>P1A71</b>	Airbag Deployment Signal Circuit Low
<b>P1A77</b>	Check Generator Belt
<b>P1A86</b>	Inappropriate and low SOC
<b>P1A88</b>	DC/DC Converter Cooling System Fault
<b>P1A89</b>	DC/DC Converter Current Sensor Fault
<b>P1B03</b>	Auxiliary Battery Temperature Sensor Circuit
<b>P1B1D</b>	OPI Fault

Trouble code	Fault location
<b>P1B25</b>	High Voltage Battery Path Fault
<b>P1B62</b>	High Voltage Battery Current Sensor Circuit
<b>P1B67</b>	High Voltage Battery Current Sensor Circuit Fault
<b>P1B70</b>	High Voltage Battery Voltage Too Low
<b>P1B71</b>	High Voltage Battery Voltage Too High
<b>P1B74</b>	High Voltage Battery Voltage Sensor Circuit
<b>P1B75</b>	High Voltage Battery Current Value Error
<b>P1B76</b>	High Voltage Battery Relay Fault
<b>P1B77</b>	High Voltage Battery Precharging Fault
<b>P1B78</b>	High Voltage Battery Temperature Sensor Circuit Level 1
<b>P1B79</b>	High Voltage Battery Temperature Sensor Circuit Level 2
<b>P1B84</b>	High Voltage Battery Cell Voltage Deviation Too High
<b>P1B95</b>	High Voltage Battery Pack Deterioration
<b>P1B96</b>	High Voltage Battery Voltage Sensor Circuit Fault
<b>P1B97</b>	High Voltage Battery Temperature Sensor Circuit Fault
<b>P1BA0</b>	High Voltage Battery & MCU Cooling Fan Relay Circuit
<b>P1BA1</b>	High Voltage Battery FAN Fault
<b>P1C28</b>	OPI Current High
<b>P1C2B</b>	OPI Hall Sensor Error
<b>P1C64</b>	Drive Motor “A” Phase Cable Circuit Open
<b>P1C6A</b>	Generator Phase Cable Circuit Open
<b>P1C76</b>	Generator Position Sensor Not Learned
<b>P2000</b>	NOx Trap Efficiency Below Threshold Bank 1
<b>P2001</b>	NOx Trap Efficiency Below Threshold Bank 2
<b>P2004</b>	Intake Manifold Runner Control Stuck Open Bank 1
<b>P2004</b>	Intake Manifold Runner Control Stuck Open (Bank 1)
<b>P2004</b>	Intake Manifold Runner Control Stuck Open (Bank 1)
<b>P2005</b>	Intake Manifold Runner Control Stuck Open Bank 2
<b>P2006</b>	Intake Manifold Runner Control Stuck Closed Bank 1
<b>P2006</b>	Intake Manifold Runner Control Stuck Closed (Bank 1)
<b>P2006</b>	Intake Manifold Runner Control Stuck Closed (Bank 1)
<b>P2007</b>	Intake Manifold Runner Control Stuck Closed Bank 2
<b>P2008</b>	Intake Manifold Runner Control Circuit/Open Bank 1
<b>P2008</b>	Intake Manifold Runner Control Circuit/Open (Bank 1)
<b>P2008</b>	Intake Manifold Runner Control Circuit/Open (Bank 1)
<b>P2009</b>	Intake Manifold Runner Control Circuit Low (Bank 1)
<b>P2009</b>	Intake Manifold Runner Control Circuit Low (Bank 1)
<b>P2009</b>	Intake Manifold Runner Control Circuit Low

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P200A</b>	Intake Manifold Runner Performance Bank 1
<b>P200A</b>	Intake Manifold Runner Performance
<b>P200A</b>	Intake Manifold Runner Performance (Bank1)
<b>P200B</b>	Intake Manifold Runner Performance Bank 2
<b>P200E</b>	Catalyst System Over Temperature Bank 1
<b>P200F</b>	Catalyst System Over Temperature Bank 2
<b>P2010</b>	Intake Manifold Runner Control Circuit High(Bank 1)
<b>P2010</b>	Intake Manifold Runner Control Circuit High(Bank 1)
<b>P2010</b>	Intake Manifold Runner Control Circuit High
<b>P2011</b>	Intake Manifold Runner Control Circuit/Open Bank 2
<b>P2012</b>	Intake Manifold Runner Control Circuit Low Bank 2
<b>P2013</b>	Intake Manifold Runner Control Circuit High Bank 2
<b>P2014</b>	Intake Manifold Runner Position Sensor/Switch Circuit Bank 1
<b>P2014</b>	Intake Manifold Runner Position Sensor/Switch Circuit (Bank 1)
<b>P2014</b>	Intake Manifold Runner Position Sensor/Switch Circuit (Bank 1)
<b>P2015</b>	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance(Bank 1)
<b>P2015</b>	Variable Intake Motor Rotation System- Malfunction
<b>P2015</b>	Variable Intake MRS
<b>P2015</b>	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance(Bank 1)
<b>P2016</b>	Intake Manifold Runner Position Sensor/Switch Circuit Low(Bank 1)
<b>P2016</b>	Intake Manifold Runner Position Sensor/Switch Circuit Low(Bank 1)
<b>P2016</b>	Intake Manifold Runner Motor Position Sensor Circuit Low
<b>P2017</b>	Intake Manifold Runner Position Sensor/Switch Circuit High(Bank 1)
<b>P2017</b>	Intake Manifold Runner Position Sensor/Switch Circuit High(Bank 1)
<b>P2017</b>	Intake Manifold Runner Motor Position Sensor Circuit High
<b>P2018</b>	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent Bank 1
<b>P2019</b>	Intake Manifold Runner Position Sensor/Switch Circuit Bank 2
<b>P201A</b>	Reductant Injection Valve Circuit Range/Performance Bank 2 Unit 1
<b>P2020</b>	Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance Bank 2
<b>P2021</b>	Intake Manifold Runner Position Sensor/Switch Circuit Low Bank 2

Trouble code	Fault location
<b>P2021</b>	Intake Manifold Runner Valve Position Sensor Circuit Low
<b>P2022</b>	Intake Manifold Runner Position Sensor/Switch Circuit High Bank 2
<b>P2022</b>	Intake Manifold Runner Valve Position Sensor Circuit High
<b>P2023</b>	Intake Manifold Runner Position Sensor/Switch Circuit Intermittent Bank 2
<b>P2024</b>	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit
<b>P2025</b>	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Performance
<b>P2026</b>	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Low Voltage
<b>P2027</b>	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit High Voltage
<b>P2028</b>	Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Intermittent
<b>P2029</b>	Fuel Fired Heater Disabled
<b>P202A</b>	Reductant Tank Heater Control Circuit/Open
<b>P202B</b>	Reductant Tank Heater Control Circuit Low
<b>P202C</b>	Reductant Tank Heater Control Circuit High
<b>P202D</b>	Reductant Leakage
<b>P202E</b>	Reductant Injection Valve Circuit Range/Performance Bank 1 Unit 1
<b>P202F</b>	Reductant/Regeneration Supply Control Circuit Range/Performance
<b>P2030</b>	Fuel Fired Heater Performance
<b>P2031</b>	Exhaust Gas Temperature Sensor Circuit Bank 1 Sensor 2
<b>P2032</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 2
<b>P2033</b>	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 2
<b>P2034</b>	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 2
<b>P2035</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 2
<b>P2036</b>	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 2
<b>P2037</b>	Reductant Injection Air Pressure Sensor Circuit
<b>P2038</b>	Reductant Injection Air Pressure Sensor Circuit Range/Performance
<b>P2039</b>	Reductant Injection Air Pressure Sensor Circuit Low Input
<b>P203A</b>	Reductant Level Sensor Circuit
<b>P203B</b>	Reductant Level Sensor Circuit Range/Performance

Trouble code	Fault location
<b>P203C</b>	Reductant Level Sensor Circuit Low
<b>P203D</b>	Reductant Level Sensor Circuit High
<b>P203E</b>	Reductant Level Sensor Circuit Intermittent/Erratic
<b>P203F</b>	Reductant Level Too Low
<b>P2040</b>	Reductant Injection Air Pressure Sensor Circuit High Input
<b>P2041</b>	Reductant Injection Air Pressure Sensor Circuit Intermittent
<b>P2042</b>	Reductant Temperature Sensor Circuit
<b>P2043</b>	Reductant Temperature Sensor Circuit Range/Performance
<b>P2044</b>	Reductant Temperature Sensor Circuit Low Input
<b>P2045</b>	Reductant Temperature Sensor Circuit High Input
<b>P2046</b>	Reductant Temperature Sensor Circuit Intermittent
<b>P2047</b>	Reductant Injector Circuit/Open Bank 1 Unit 1
<b>P2048</b>	Reductant Injector Circuit Low Bank 1 Unit 1
<b>P2049</b>	Reductant Injector Circuit High Bank 1 Unit 1
<b>P204A</b>	Reductant Pressure Sensor Circuit
<b>P204B</b>	Reductant Pressure Sensor Circuit Range/Performance
<b>P204C</b>	Reductant Pressure Sensor Circuit Low
<b>P204D</b>	Reductant Pressure Sensor Circuit High
<b>P204E</b>	Reductant Pressure Sensor Circuit Intermittent/Erratic
<b>P204F</b>	Reductant System Performance Bank 1
<b>P2050</b>	Reductant Injector Circuit/Open Bank 2 Unit 1
<b>P2051</b>	Reductant Injector Circuit Low Bank 2 Unit 1
<b>P2052</b>	Reductant Injector Circuit High Bank 2 Unit 1
<b>P2053</b>	Reductant Injector Circuit/Open Bank 1 Unit 2
<b>P2054</b>	Reductant Injector Circuit Low Bank 1 Unit 2
<b>P2055</b>	Reductant Injector Circuit High Bank 1 Unit 2
<b>P2056</b>	Reductant Injector Circuit/Open Bank 2 Unit 2
<b>P2057</b>	Reductant Injector Circuit Low Bank 2 Unit 2
<b>P2058</b>	Reductant Injector Circuit High Bank 2 Unit 2
<b>P2059</b>	Reductant Injection Air Pump Control Circuit/Open
<b>P205A</b>	Reductant Tank Temperature Sensor Circuit
<b>P205B</b>	Reductant Tank Temperature Sensor Circuit Range/Performance
<b>P205C</b>	Reductant Tank Temperature Sensor Circuit Low
<b>P205D</b>	Reductant Tank Temperature Sensor Circuit High
<b>P205E</b>	Reductant Tank Temperature Sensor Circuit Intermittent/Erratic
<b>P205F</b>	Reductant System Performance Bank 2
<b>P2060</b>	Reductant Injection Air Pump Control Circuit Low

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2061</b>	Reductant Injection Air Pump Control Circuit High
<b>P2062</b>	Reductant Supply Control Circuit/Open
<b>P2063</b>	Reductant Supply Control Circuit Low
<b>P2064</b>	Reductant Supply Control Circuit High
<b>P2065</b>	Fuel Level Sensor "B" Circuit
<b>P2065</b>	Fuel Level Circuit
<b>P2065</b>	Fuel Level Sensor "B" Circuit
<b>P2066</b>	Fuel Level Sensor "B" Performance
<b>P2066</b>	Fuel Level Consumption
<b>P2066</b>	Fuel Level Sensor "B" Performance
<b>P2067</b>	Fuel Level Sensor "B" Circuit Low
<b>P2067</b>	Fuel Level Circuit - Low
<b>P2067</b>	Fuel Level Sensor "B" Circuit Low
<b>P2068</b>	Fuel Level Sensor "B" Circuit High
<b>P2068</b>	Fuel Level Circuit - High
<b>P2068</b>	Fuel Level Sensor "B" Circuit High
<b>P2069</b>	Fuel Level Sensor "B" Circuit Intermittent
<b>P2069</b>	Fuel Level Sensor "B" Circuit Intermittent
<b>P206A</b>	Reductant Quality Sensor Circuit
<b>P206B</b>	Reductant Quality Sensor Circuit Range/Performance
<b>P206C</b>	Reductant Quality Sensor Circuit Low
<b>P206D</b>	Reductant Quality Sensor Circuit High
<b>P206E</b>	Intake Manifold Tuning (IMT) Valve Stuck Open Bank 2
<b>P206F</b>	Intake Manifold Tuning (IMT) Valve Stuck Closed Bank 2
<b>P2070</b>	Intake Manifold Tuning (IMT) Valve Stuck Open
<b>P2070</b>	Intake Manifold Tuning (IMT) Valve Stuck Open (Bank 1)
<b>P2070</b>	Intake Manifold Tuning (IMT) Valve Stuck Open (Bank 1)
<b>P2071</b>	Intake Manifold Tuning (IMT) Valve Stuck Closed
<b>P2071</b>	Intake Manifold Tuning (IMT) Valve Stuck Closed (Bank 1)
<b>P2071</b>	Intake Manifold Tuning (IMT) Valve Stuck Closed (Bank 1)
<b>P2072</b>	Throttle Actuator Control System - Ice Blockage
<b>P2073</b>	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at Idle
<b>P2074</b>	Manifold Absolute Pressure/Mass Air Flow - Throttle Position Correlation at Higher Load
<b>P2075</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit
<b>P2075</b>	Cylinder 5 Contribution/Balance

Trouble code	Fault location
<b>P2075</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit (Bank 1)
<b>P2075</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit (Bank 1)
<b>P2076</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Range/Performance
<b>P2076</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Range/Performance (Bank 1)
<b>P2077</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low
<b>P2077</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low (Bank 1)
<b>P2077</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low (Bank 1)
<b>P2078</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High
<b>P2078</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High (Bank 1)
<b>P2078</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High (Bank 1)
<b>P2079</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent
<b>P207A</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Bank 2
<b>P207B</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Range/Performance Bank 2
<b>P207C</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low Bank 2
<b>P207D</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High Bank 2
<b>P207E</b>	Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent Bank 2
<b>P207F</b>	Reductant Quality Performance
<b>P2080</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 1
<b>P2081</b>	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 1 Sensor 1
<b>P2082</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 1
<b>P2083</b>	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 2 Sensor 1
<b>P2084</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 2
<b>P2085</b>	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 1 Sensor 2

Trouble code	Fault location
<b>P2086</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 2
<b>P2087</b>	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 2 Sensor 2
<b>P2088</b>	A Camshaft Position Actuator Control Circuit Low Bank 1
<b>P2089</b>	A Camshaft Position Actuator Control Circuit High Bank 1
<b>P208A</b>	Reductant Pump Control Circuit/Open
<b>P208B</b>	Reductant Pump Control Range/Performance
<b>P208C</b>	Reductant Pump Control Circuit Low
<b>P208D</b>	Reductant Pump Control Circuit High
<b>P208E</b>	Reductant Injection Valve Stuck Closed Bank 1 Unit 1
<b>P208F</b>	Reductant Injection Valve Stuck Closed Bank 2 Unit 1
<b>P2090</b>	B Camshaft Position Actuator Control Circuit Low Bank 1
<b>P2091</b>	B Camshaft Position Actuator Control Circuit High Bank 1
<b>P2092</b>	A Camshaft Position Actuator Control Circuit Low Bank 2
<b>P2093</b>	A Camshaft Position Actuator Control Circuit High Bank 2
<b>P2094</b>	B Camshaft Position Actuator Control Circuit Low Bank 2
<b>P2095</b>	B Camshaft Position Actuator Control Circuit High Bank 2
<b>P2096</b>	Post Catalyst Fuel Trim System Too Lean Bank 1
<b>P2096</b>	H02S Fuel Trim too Lean
<b>P2096</b>	Post Catalyst Fuel Trim System too Lean (Bank 1)
<b>P2097</b>	Post Catalyst Fuel Trim System Too Rich Bank 1
<b>P2097</b>	H02S Fuel Trim too Rich
<b>P2097</b>	Post Catalyst Fuel Trim System too Rich (Bank 1)
<b>P2098</b>	Post Catalyst Fuel Trim System Too Lean Bank 2
<b>P2098</b>	Post Catalyst Fuel Trim System Too Lean (Bank 2)
<b>P2099</b>	Post Catalyst Fuel Trim System Too Rich Bank 2
<b>P2099</b>	Post Catalyst Fuel Trim System Too Rich (Bank 2)
<b>P2100</b>	Throttle Actuator Control Motor Circuit/Open
<b>P2100</b>	Electric Throttle Valve Control System (ETS) Motor Power Open
<b>P2100</b>	Throttle Actuator Control Motor Circuit /Open
<b>P2101</b>	Throttle Actuator Control Motor Circuit Range/Performance
<b>P2101</b>	Throttle Actuator Control System (ETS) Motor Circuit-Range / Performance
<b>P2101</b>	Throttle Actuator Control Motor Circuit Range/Performance
<b>P2102</b>	Throttle Actuator Control Motor Circuit Low
<b>P2102</b>	Throttle Actuator Control Motor Circuit Low
<b>P2102</b>	Throttle Actuator Control Motor Circuit Low



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2103</b>	Throttle Actuator Control Motor Circuit High
<b>P2103</b>	Throttle Actuator Control Motor Circuit High
<b>P2103</b>	Throttle Actuator Control Motor Circuit High
<b>P2104</b>	Throttle Actuator Control System - Forced Idle
<b>P2104</b>	Limp Home Mode - Forced Idle
<b>P2105</b>	Throttle Actuator Control System - Forced Engine Shutdown
<b>P2105</b>	Limp Home Mode - Force Engine Shutdown
<b>P2106</b>	Throttle Actuator Control System - Forced Limited Power
<b>P2106</b>	Limp Home Mode - Force Limited Power
<b>P2107</b>	Throttle Actuator Control Module Processor
<b>P2107</b>	Throttle Actuator Control System(ETS-ECU) EEPROM Malfunction
<b>P2108</b>	Throttle Actuator Control Module Performance
<b>P2108</b>	Throttle Actuator Control System(ETS-ECU) EEPROM Malfunction
<b>P2109</b>	Throttle/Pedal Position Sensor "A" Minimum Stop Performance
<b>P2110</b>	Throttle Actuator Control System - Forced Limited RPM
<b>P2110</b>	Limp Home Mode - Forced Limited RPM
<b>P2111</b>	Throttle Actuator Control System - Stuck Open
<b>P2112</b>	Throttle Actuator Control System - Stuck Closed
<b>P2113</b>	Throttle/Pedal Position Sensor "B" Minimum Stop Performance
<b>P2114</b>	Throttle/Pedal Position Sensor "C" Minimum Stop Performance
<b>P2115</b>	Throttle/Pedal Position Sensor "D" Minimum Stop Performance
<b>P2116</b>	Throttle/Pedal Position Sensor "E" Minimum Stop Performance
<b>P2117</b>	Throttle/Pedal Position Sensor "F" Minimum Stop Performance
<b>P2118</b>	Throttle Actuator Control Motor Current Range/Performance
<b>P2118</b>	Throttle Actuator Control System (ETS) Motor Current-Range / Performance
<b>P2118</b>	Throttle Actuator Control Motor Current Range/Performance
<b>P2119</b>	Throttle Actuator Control Throttle Body Range/Performance
<b>P2119</b>	Throttle Actuator Control System (ETS) Throttle Body-Range / Performance
<b>P2119</b>	Throttle Actuator Control Throttle Body Range/Performance
<b>P2120</b>	Throttle/Pedal Position Sensor/Switch "D" Circuit
<b>P2120</b>	Accelerator Position Sensor 1 Signal Circuit

Trouble code	Fault location
<b>P2121</b>	Throttle/Pedal Position Sensor/Switch "D" Circuit Range/ Performance
<b>P2121</b>	Accelerator Position Sensor 1 Signal Circuit Range/ Performance
<b>P2122</b>	Throttle/Pedal Position Sensor/Switch "D" Circuit Low Input
<b>P2122</b>	Accelerator Position Sensor 1 Signal Circuit Low Input
<b>P2122</b>	Accelerator Position Sensor 1 Signal Circuit Low Input
<b>P2123</b>	Throttle/Pedal Position Sensor/Switch "D" Circuit High Input
<b>P2123</b>	Accelerator Position Sensor 1 Signal Circuit High Input
<b>P2124</b>	Throttle/Pedal Position Sensor/Switch "D" Circuit Intermittent
<b>P2125</b>	Throttle/Pedal Position Sensor/Switch "E" Circuit
<b>P2125</b>	Accelerator Position Sensor 2 Signal Circuit
<b>P2126</b>	Throttle/Pedal Position Sensor/Switch "E" Circuit Range/ Performance
<b>P2126</b>	Accelerator Position Sensor 2 Signal Circuit Range/ Performance
<b>P2127</b>	Throttle/Pedal Position Sensor/Switch "E" Circuit Low Input
<b>P2127</b>	Accelerator Position Sensor 2 Signal Circuit Low Input
<b>P2128</b>	Throttle/Pedal Position Sensor/Switch "E" Circuit High Input
<b>P2128</b>	Accelerator Position Sensor 2 Signal Circuit-High Input
<b>P2129</b>	Throttle/Pedal Position Sensor/Switch "E" Circuit Intermittent
<b>P2130</b>	Throttle/Pedal Position Sensor/Switch "F" Circuit
<b>P2131</b>	Throttle/Pedal Position Sensor/Switch "F" Circuit Range Performance
<b>P2132</b>	Throttle/Pedal Position Sensor/Switch "F" Circuit Low Input
<b>P2133</b>	Throttle/Pedal Position Sensor/Switch "F" Circuit High Input
<b>P2134</b>	Throttle/Pedal Position Sensor/Switch "F" Circuit Intermittent
<b>P2135</b>	Throttle/Pedal Position Sensor/Switch "A" / "B" Voltage Correlation
<b>P2135</b>	Throttle Position Sensor 1 & 2 Signal Voltage Correlation
<b>P2136</b>	Throttle/Pedal Position Sensor/Switch "A" / "C" Voltage Correlation
<b>P2137</b>	Throttle/Pedal Position Sensor/Switch "B" / "C" Voltage Correlation
<b>P2138</b>	Throttle/Pedal Position Sensor/Switch "D" / "E" Voltage Correlation
<b>P2138</b>	Accelerator Position Sensor 1 & 2 Signal Voltage Correlation
<b>P2139</b>	Throttle/Pedal Position Sensor/Switch "D" / "F" Voltage Correlation
<b>P2140</b>	Throttle/Pedal Position Sensor/Switch "E" / "F" Voltage Correlation
<b>P2141</b>	Exhaust Gas Recirculation Throttle Control Circuit Low

Trouble code	Fault location
<b>P2142</b>	Exhaust Gas Recirculation Throttle Control Circuit High
<b>P2143</b>	Exhaust Gas Recirculation Vent Control Circuit/Open
<b>P2144</b>	Exhaust Gas Recirculation Vent Control Circuit Low
<b>P2145</b>	Exhaust Gas Recirculation Vent Control Circuit High
<b>P2146</b>	Fuel Injector Group "A" Supply Voltage Circuit/Open
<b>P2147</b>	Fuel Injector Group "A" Supply Voltage Circuit Low
<b>P2147</b>	Fuel Injector Group "A" Supply Voltage Circuit Low
<b>P2148</b>	Fuel Injector Group "A" Supply Voltage Circuit High
<b>P2148</b>	Fuel Injector Group "A" Supply Voltage Circuit High
<b>P2149</b>	Fuel Injector Group "B" Supply Voltage Circuit/Open
<b>P2150</b>	Fuel Injector Group "B" Supply Voltage Circuit Low
<b>P2150</b>	Fuel Injector Group "B" Supply Voltage Circuit Low
<b>P2151</b>	Fuel Injector Group "B" Supply Voltage Circuit High
<b>P2151</b>	Fuel Injector Group "B" Supply Voltage Circuit High
<b>P2152</b>	Fuel Injector Group "C" Supply Voltage Circuit/Open
<b>P2153</b>	Fuel Injector Group "C" Supply Voltage Circuit Low
<b>P2153</b>	Fuel Injector Group "C" Supply Voltage Circuit Low
<b>P2154</b>	Fuel Injector Group "C" Supply Voltage Circuit High
<b>P2154</b>	Fuel Injector Group "C" Supply Voltage Circuit High
<b>P2155</b>	Fuel Injector Group "D" Supply Voltage Circuit/Open
<b>P2156</b>	Fuel Injector Group "D" Supply Voltage Circuit Low
<b>P2156</b>	Fuel Injector Group "D" Supply Voltage Circuit Low
<b>P2157</b>	Fuel Injector Group "D" Supply Voltage Circuit High
<b>P2157</b>	Fuel Injector Group "D" Supply Voltage Circuit High
<b>P2158</b>	Vehicle Speed Sensor "B"
<b>P2158</b>	Vehicle Speed Sensor "B"
<b>P2158</b>	Vehicle Speed Sensor "B"
<b>P2159</b>	Vehicle Speed Sensor "B" Range/Performance
<b>P2159</b>	Vehicle Speed Sensor "B" Range / Performance(Wheel Speed Sensor)
<b>P2160</b>	Vehicle Speed Sensor "B" Circuit Low
<b>P2160</b>	Vehicle Speed Sensor "B" Circuit Low
<b>P2160</b>	Vehicle Speed Sensor "B" Circuit Low
<b>P2161</b>	Vehicle Speed Sensor "B" Intermittent/Erratic
<b>P2161</b>	Vehicle Speed Sensor "B" Intermittent/Erratic
<b>P2161</b>	Vehicle Speed Sensor "B" Intermittent/Erratic
<b>P2162</b>	Vehicle Speed Sensor "A" / "B" Correlation
<b>P2163</b>	Throttle/Pedal Position Sensor "A" Maximum Stop Performance

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2164</b>	Throttle/Pedal Position Sensor “B” Maximum Stop Performance
<b>P2165</b>	Throttle/Pedal Position Sensor “C” Maximum Stop Performance
<b>P2166</b>	Throttle/Pedal Position Sensor “D” Maximum Stop Performance
<b>P2167</b>	Throttle/Pedal Position Sensor “E” Maximum Stop Performance
<b>P2168</b>	Throttle/Pedal Position Sensor “F” Maximum Stop Performance
<b>P2169</b>	Exhaust Pressure Regulator Vent Solenoid Control Circuit/ Open
<b>P2170</b>	Exhaust Pressure Regulator Vent Solenoid Control Circuit Low
<b>P2171</b>	Exhaust Pressure Regulator Vent Solenoid Control Circuit High
<b>P2172</b>	Throttle Actuator Control System - Sudden High Airflow Detected
<b>P2173</b>	Throttle Actuator Control System - High Airflow Detected
<b>P2173</b>	Throttle Actuator Control System- High Air Flow Detected.
<b>P2173</b>	Throttle Actuator Control System - High Airflow Detected
<b>P2174</b>	Throttle Actuator Control System - Sudden Low Airflow Detected
<b>P2175</b>	Throttle Actuator Control System - Low Airflow Detected
<b>P2176</b>	Throttle Actuator Control System - Idle Position Not Learned
<b>P2177</b>	System Too Lean Off Idle Bank 1
<b>P2178</b>	System Too Rich Off Idle Bank 1
<b>P2179</b>	System Too Lean Off Idle Bank 2
<b>P2180</b>	System Too Rich Off Idle Bank 2
<b>P2181</b>	Cooling System Performance
<b>P2182</b>	Engine Coolant Temperature Sensor 2 Circuit
<b>P2183</b>	Engine Coolant Temperature Sensor 2 Circuit Range/ Performance
<b>P2184</b>	Engine Coolant Temperature Sensor 2 Circuit Low
<b>P2185</b>	Engine Coolant Temperature Sensor 2 Circuit High
<b>P2186</b>	Engine Coolant Temperature Sensor 2 Circuit Intermittent/ Erratic
<b>P2187</b>	System Too Lean at Idle Bank 1
<b>P2187</b>	System too Lean at Idle(Bank 1)
<b>P2187</b>	System too Lean at Idle ( Additive) (Bank 1)
<b>P2188</b>	System Too Rich at Idle Bank 1
<b>P2188</b>	System too Rich at Idle(Bank 1)

Trouble code	Fault location
<b>P2188</b>	System too Rich at Idle (Bank 1)
<b>P2189</b>	System Too Lean at Idle Bank 2
<b>P2189</b>	System too Lean at Idle (- Additive) (Bank 2)
<b>P2189</b>	System Too Lean at Idle ( Additive) (Bank 2)
<b>P2190</b>	System Too Rich at Idle Bank 2
<b>P2190</b>	System too Rich at Idle (Bank 2)
<b>P2191</b>	System Too Lean at Higher Load Bank 1
<b>P2191</b>	System too Lean at Higher Load (Bank 1)
<b>P2191</b>	System too Lean at Higher Load (Multiple) (Bank 1)
<b>P2192</b>	System Too Rich at Higher Load Bank 1
<b>P2192</b>	System too Rich at Higher Load (Bank 1)
<b>P2192</b>	System too Rich at Higher Load(Bank 1)
<b>P2193</b>	System Too Lean at Higher Load Bank 2
<b>P2193</b>	System Too Lean at Higher Load ( Multiple) (Bank 2)
<b>P2194</b>	System Too Rich at Higher Load Bank 2
<b>P2194</b>	System Too Rich at Higher Load (Bank 2)
<b>P2195</b>	O2 Sensor Signal Stuck Lean Bank 1 Sensor 1
<b>P2195</b>	O2 Sensor Signal Stuck Lean (Bank 1 Sensor 1)
<b>P2195</b>	HO2S Signal Stuck Lean (Bank 1 / Sensor 1)
<b>P2196</b>	O2 Sensor Signal Stuck Rich Bank 1 Sensor 1
<b>P2196</b>	O2 Sensor Signal Stuck Rich (Bank 1 Sensor 1)
<b>P2196</b>	HO2S Signal Stuck Rich (Bank 1 / Sensor 1)
<b>P2197</b>	O2 Sensor Signal Stuck Lean Bank 2 Sensor 1
<b>P2197</b>	HO2S Signal Stuck Lean (Bank 2 / Sensor 1)
<b>P2197</b>	O2 Sensor Signal Stuck Lean (Bank 2 Sensor 1)
<b>P2198</b>	O2 Sensor Signal Stuck Rich Bank 2 Sensor 1
<b>P2198</b>	HO2S Signal Stuck Rich (Bank 2 / Sensor 1)
<b>P2198</b>	O2 Sensor Signal Stuck Rich (Bank 2 Sensor 1)
<b>P2199</b>	Intake Air Temperature Sensor 1 / 2 Correlation
<b>P2200</b>	NOx Sensor Circuit Bank 1
<b>P2201</b>	NOx Sensor Circuit Range/Performance Bank 1
<b>P2202</b>	NOx Sensor Circuit Low Input Bank 1
<b>P2203</b>	NOx Sensor Circuit High Input Bank 1
<b>P2204</b>	NOx Sensor Circuit Intermittent Input Bank 1
<b>P2205</b>	NOx Sensor Heater Control Circuit/Open Bank 1
<b>P2206</b>	NOx Sensor Heater Control Circuit Low Bank 1
<b>P2207</b>	NOx Sensor Heater Control Circuit High Bank 1
<b>P2208</b>	NOx Sensor Heater Sense Circuit Bank 1

Trouble code	Fault location
<b>P2209</b>	NOx Sensor Heater Sense Circuit Range/Performance Bank 1
<b>P2210</b>	NOx Sensor Heater Sense Circuit Low Input Bank 1
<b>P2211</b>	NOx Sensor Heater Sense Circuit High Input Bank 1
<b>P2212</b>	NOx Sensor Heater Sense Circuit Intermittent Bank 1
<b>P2213</b>	NOx Sensor Circuit Bank 2
<b>P2214</b>	NOx Sensor Circuit Range/Performance Bank 2
<b>P2215</b>	NOx Sensor Circuit Low Input Bank 2
<b>P2216</b>	NOx Sensor Circuit High Input Bank 2
<b>P2217</b>	NOx Sensor Circuit Intermittent Input Bank 2
<b>P2218</b>	NOx Sensor Heater Control Circuit/Open Bank 2
<b>P2219</b>	NOx Sensor Heater Control Circuit Low Bank 2
<b>P2220</b>	NOx Sensor Heater Control Circuit High Bank 2
<b>P2221</b>	NOx Sensor Heater Sense Circuit Bank 2
<b>P2222</b>	NOx Sensor Heater Sense Circuit Range/Performance Bank 2
<b>P2223</b>	NOx Sensor Heater Sense Circuit Low Bank 2
<b>P2224</b>	NOx Sensor Heater Sense Circuit High Bank 2
<b>P2225</b>	NOx Sensor Heater Sense Circuit Intermittent Bank 2
<b>P2226</b>	Barometric Pressure Circuit
<b>P2226</b>	Barometric Pressure Circuit
<b>P2227</b>	Barometric Pressure Circuit Range/Performance
<b>P2227</b>	Barometric Pressure Circuit Range/Performance
<b>P2228</b>	Barometric Pressure Circuit Low
<b>P2228</b>	Barometric Pressure Sensor (BPS)-Low Input
<b>P2228</b>	Barometric Pressure Circuit Low Input
<b>P2229</b>	Barometric Pressure Circuit High
<b>P2229</b>	Barometric Pressure Sensor (BPS)-High Input
<b>P2229</b>	Barometric Pressure Circuit High Input
<b>P2230</b>	Barometric Pressure Circuit Intermittent
<b>P2231</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 1 Sensor 1
<b>P2231</b>	HO2S Signal Circuit Shorted to Heater Circuit (Bank 1 / Sensor 1)
<b>P2231</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank1 Sensor1)
<b>P2232</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 1 Sensor 2
<b>P2232</b>	HO2S Signal Circuit Shorted to Heater Circuit (Bank 1 / Sensor 2)
<b>P2232</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit (Bank1 Sensor2)

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2233</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 1 Sensor 3
<b>P2234</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 2 Sensor 1
<b>P2235</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 2 Sensor 2
<b>P2236</b>	O2 Sensor Signal Circuit Shorted to Heater Circuit Bank 2 Sensor 3
<b>P2237</b>	O2 Sensor Positive Current Control Circuit/Open Bank 1 Sensor 1
<b>P2237</b>	O2 Sensor Pumping Current Circuit/Open (Bank 1 Sensor 1)
<b>P2237</b>	H02Sensor Pumping Current Circuit/Open (Bank 1 / Sensor 1)
<b>P2238</b>	O2 Sensor Positive Current Control Circuit Low Bank 1 Sensor 1
<b>P2238</b>	H02Sensor Pumping Current Circuit Low (Bank 1 / Sensor 1)
<b>P2238</b>	O2 Sensor Pumping Current Circuit Low (Bank 1 Sensor 1)
<b>P2239</b>	O2 Sensor Positive Current Control Circuit High Bank 1 Sensor 1
<b>P2239</b>	H02Sensor Pumping Current Circuit High (Bank 1 / Sensor 1)
<b>P2239</b>	O2 Sensor Pumping Current Circuit High (Bank 1 Sensor 1)
<b>P2240</b>	O2 Sensor Positive Current Control Circuit/Open Bank 2 Sensor 1
<b>P2241</b>	O2 Sensor Positive Current Control Circuit Low Bank 2 Sensor 1
<b>P2242</b>	O2 Sensor Positive Current Control Circuit High Bank 2 Sensor 1
<b>P2243</b>	O2 Sensor Reference Voltage Circuit/Open Bank 1 Sensor 1
<b>P2243</b>	O2 Sensor Reference Voltage Circuit/Open (Bank 1 Sensor 1)
<b>P2243</b>	H02S Reference Voltage Circuit/Open (Bank 1 / Sensor 1)
<b>P2244</b>	O2 Sensor Reference Voltage Performance Bank 1 Sensor 1
<b>P2245</b>	O2 Sensor Reference Voltage Circuit Low Bank 1 Sensor 1
<b>P2246</b>	O2 Sensor Reference Voltage Circuit High Bank 1 Sensor 1
<b>P2247</b>	O2 Sensor Reference Voltage Circuit/Open Bank 2 Sensor 1
<b>P2248</b>	O2 Sensor Reference Voltage Performance Bank 2 Sensor 1
<b>P2249</b>	O2 Sensor Reference Voltage Circuit Low Bank 2 Sensor 1
<b>P2250</b>	O2 Sensor Reference Voltage Circuit High Bank 2 Sensor 1
<b>P2251</b>	O2 Sensor Negative Current Control Circuit/Open Bank 1 Sensor 1
<b>P2251</b>	O2 Sensor Reference Ground Circuit/Open (Bank 1 Sensor 1)
<b>P2251</b>	H02Sensor Reference Ground Circuit/Open (Bank 1 / Sensor 1)

Trouble code	Fault location
<b>P2252</b>	O2 Sensor Negative Current Control Circuit Low Bank 1 Sensor 1
<b>P2252</b>	O2 Sensor Reference Ground Circuit Low
<b>P2253</b>	O2 Sensor Negative Current Control Circuit High Bank 1 Sensor 1
<b>P2253</b>	O2 Sensor Reference Ground Circuit High
<b>P2254</b>	O2 Sensor Negative Current Control Circuit/Open Bank 2 Sensor 1
<b>P2255</b>	O2 Sensor Negative Current Control Circuit Low Bank 2 Sensor 1
<b>P2256</b>	O2 Sensor Negative Current Control Circuit High Bank 2 Sensor 1
<b>P2257</b>	Secondary Air Injection System Control "A" Circuit Low
<b>P2258</b>	Secondary Air Injection System Control "A" Circuit High
<b>P2259</b>	Secondary Air Injection System Control "B" Circuit Low
<b>P2260</b>	Secondary Air Injection System Control "B" Circuit High
<b>P2261</b>	Turbo/Super Charger Bypass Valve - Mechanical
<b>P2261</b>	Turbocharger/Supercharger Bypass Valve - Mechanical
<b>P2262</b>	Turbo Boost Pressure Not Detected - Mechanical
<b>P2263</b>	Turbo/Super Charger Boost System Performance
<b>P2264</b>	Water in Fuel Sensor Circuit
<b>P2265</b>	Water in Fuel Sensor Circuit Range/Performance
<b>P2266</b>	Water in Fuel Sensor Circuit Low
<b>P2267</b>	Water in Fuel Sensor Circuit High
<b>P2268</b>	Water in Fuel Sensor Circuit Intermittent
<b>P2269</b>	Water in Fuel Condition
<b>P2270</b>	O2 Sensor Signal Stuck Lean Bank 1 Sensor 2
<b>P2270</b>	O2 Sensor Stuck Lean - Bank1 Sensor 2
<b>P2270</b>	O2 Sensor Signal Stuck Lean (Bank 1 Sensor 2)
<b>P2270</b>	H02S Signal Stuck Lean (Bank 1 / Sensor 2)
<b>P2271</b>	O2 Sensor Signal Stuck Rich Bank 1 Sensor 2
<b>P2271</b>	O2 Sensor Stuck Rich - Bank1 Sensor 2
<b>P2271</b>	O2 Sensor Signal Stuck Rich (Bank 1 Sensor 2)
<b>P2271</b>	H02S Signal Stuck Rich (Bank 1 / Sensor 2)
<b>P2272</b>	O2 Sensor Signal Stuck Lean Bank 2 Sensor 2
<b>P2272</b>	H02S Signal Stuck Lean (Bank 2 / Sensor 2)
<b>P2272</b>	O2 Sensor Stuck Lean - Bank2 Sensor 2
<b>P2272</b>	O2 Sensor Signal Stuck Lean (Bank 2 Sensor 2)
<b>P2273</b>	O2 Sensor Signal Stuck Rich Bank 2 Sensor 2
<b>P2273</b>	H02S Signal Stuck Rich (Bank 2 / Sensor 2)

Trouble code	Fault location
<b>P2273</b>	O2 Sensor Stuck Rich - Bank2 Sensor 2
<b>P2273</b>	O2 Sensor Signal Stuck Rich (Bank 2 Sensor 2)
<b>P2274</b>	O2 Sensor Signal Stuck Lean Bank 1 Sensor 3
<b>P2275</b>	O2 Sensor Signal Stuck Rich Bank 1 Sensor 3
<b>P2276</b>	O2 Sensor Signal Stuck Lean Bank 2 Sensor 3
<b>P2277</b>	O2 Sensor Signal Stuck Rich Bank 2 Sensor 3
<b>P2278</b>	O2 Sensor Signals Swapped Bank 1 Sensor 3 / Bank 2 Sensor 3
<b>P2279</b>	Intake Air System Leak
<b>P2280</b>	Air Flow Restriction / Air Leak Between Air Filter and MAF
<b>P2280</b>	Air Leak Between Filter & MAF
<b>P2281</b>	Air Leak Between MAF and Throttle Body
<b>P2282</b>	Air Leak Between Throttle Body and Intake Valves
<b>P2283</b>	Injector Control Pressure Sensor Circuit
<b>P2284</b>	Injector Control Pressure Sensor Circuit Range/Performance
<b>P2285</b>	Injector Control Pressure Sensor Circuit Low
<b>P2286</b>	Injector Control Pressure Sensor Circuit High
<b>P2287</b>	Injector Control Pressure Sensor Circuit Intermittent
<b>P2288</b>	Injector Control Pressure Too High
<b>P2289</b>	Injector Control Pressure Too High - Engine Off
<b>P2290</b>	Injector Control Pressure Too Low
<b>P2291</b>	Injector Control Pressure Too Low - Engine Cranking
<b>P2292</b>	Injector Control Pressure Erratic
<b>P2293</b>	Fuel Pressure Regulator 2 Performance
<b>P2294</b>	Fuel Pressure Regulator 2 Control Circuit
<b>P2295</b>	Fuel Pressure Regulator 2 Control Circuit Low
<b>P2296</b>	Fuel Pressure Regulator 2 Control Circuit High
<b>P2297</b>	O2 Sensor Out of Range During Deceleration Bank 1 Sensor 1
<b>P2297</b>	H02S Out of Range During Deceleration (Bank 1 / Sensor 1)
<b>P2297</b>	O2 Sensor Out of Range During Deceleration - (Bank 1 Sensor 1)
<b>P2298</b>	O2 Sensor Out of Range During Deceleration Bank 2 Sensor 1
<b>P2299</b>	Brake Pedal Position / Accelerator Pedal Position Incompatible
<b>P2300</b>	Ignition Coil "A" Primary Control Circuit Low
<b>P2301</b>	Ignition Coil "A" Primary Control Circuit High
<b>P2302</b>	Ignition Coil "A" Secondary Circuit
<b>P2303</b>	Ignition Coil "B" Primary Control Circuit Low
<b>P2304</b>	Ignition Coil "B" Primary Control Circuit High



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
P2305	Ignition Coil "B" Secondary Circuit
P2306	Ignition Coil "C" Primary Control Circuit Low
P2307	Ignition Coil "C" Primary Control Circuit High
P2308	Ignition Coil "C" Secondary Circuit
P2309	Ignition Coil "D" Primary Control Circuit Low
P2310	Ignition Coil "D" Primary Control Circuit High
P2311	Ignition Coil "D" Secondary Circuit
P2312	Ignition Coil "E" Primary Control Circuit Low
P2313	Ignition Coil "E" Primary Control Circuit High
P2314	Ignition Coil "E" Secondary Circuit
P2315	Ignition Coil "F" Primary Control Circuit Low
P2316	Ignition Coil "F" Primary Control Circuit High
P2317	Ignition Coil "F" Secondary Circuit
P2318	Ignition Coil "G" Primary Control Circuit Low
P2319	Ignition Coil "G" Primary Control Circuit High
P2320	Ignition Coil "G" Secondary Circuit
P2321	Ignition Coil "H" Primary Control Circuit Low
P2322	Ignition Coil "H" Primary Control Circuit High
P2323	Ignition Coil "H" Secondary Circuit
P2324	Ignition Coil "I" Primary Control Circuit Low
P2325	Ignition Coil "I" Primary Control Circuit High
P2326	Ignition Coil "I" Secondary Circuit
P2327	Ignition Coil "J" Primary Control Circuit Low
P2328	Ignition Coil "J" Primary Control Circuit High
P2329	Ignition Coil "J" Secondary Circuit
P2330	Ignition Coil "K" Primary Control Circuit Low
P2331	Ignition Coil "K" Primary Control Circuit High
P2332	Ignition Coil "K" Secondary Circuit
P2333	Ignition Coil "L" Primary Control Circuit Low
P2334	Ignition Coil "L" Primary Control Circuit High
P2335	Ignition Coil "L" Secondary Circuit
P2336	Cylinder #1 Above Knock Threshold
P2337	Cylinder #2 Above Knock Threshold
P2338	Cylinder #3 Above Knock Threshold
P2339	Cylinder #4 Above Knock Threshold
P2340	Cylinder #5 Above Knock Threshold
P2341	Cylinder #6 Above Knock Threshold
P2342	Cylinder #7 Above Knock Threshold

Trouble code	Fault location
P2343	Cylinder #8 Above Knock Threshold
P2344	Cylinder #9 Above Knock Threshold
P2345	Cylinder #10 Above Knock Threshold
P2346	Cylinder #11 Above Knock Threshold
P2347	Cylinder #12 Above Knock Threshold
P2400	Evaporative Emission System Leak Detection Pump Control Circuit/Open
P2400	Evaporative Emission System Leak Detection Pump Control Circuit /Open
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High
P2403	Evaporative Emission System Leak Detection Pump Sense Circuit/Open
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance
P2405	Evaporative Emission System Leak Detection Pump Sense Circuit Low
P2405	Evaporative Emission System Leak Detection Pump Sense Circuit Low
P2406	Evaporative Emission System Leak Detection Pump Sense Circuit High
P2406	Evaporative Emission System Leak Detection Pump Sense Circuit High
P2407	Evaporative Emission System Leak Detection Pump Sense Circuit Intermittent/Erratic
P2407	Evaporative Emission System Leak Detection Pump Sense Circuit Intermittent/Erratic
P2408	Fuel Cap Sensor/Switch Circuit
P2409	Fuel Cap Sensor/Switch Circuit Range/Performance
P2410	Fuel Cap Sensor/Switch Circuit Low
P2411	Fuel Cap Sensor/Switch Circuit High
P2412	Fuel Cap Sensor/Switch Circuit Intermittent/Erratic
P2413	Exhaust Gas Recirculation System Performance
P2414	O2 Sensor Exhaust Sample Error Bank 1 Sensor 1
P2414	HO2S Sensor Exhaust Sample Error (Bank 1 / Sensor 1)

Trouble code	Fault location
P2414	O2 Sensor Exhaust Sample Error (Bank 1 Sensor 1)
P2415	O2 Sensor Exhaust Sample Error Bank 2 Sensor 1
P2416	O2 Sensor Signals Swapped Bank 1 Sensor 2 / Bank 1 Sensor 3
P2417	O2 Sensor Signals Swapped Bank 2 Sensor 2 / Bank 2 Sensor 3
P2418	Evaporative Emission System Switching Valve Control Circuit /Open
P2418	Evaporative Emission System Switching Valve Control Circuit /Open
P2419	Evaporative Emission System Switching Valve Control Circuit Low
P2419	Evaporative Emission System Switching Valve Control Circuit Low
P2420	Evaporative Emission System Switching Valve Control Circuit High
P2420	Evaporative Emission System Switching Valve Control Circuit High
P2421	Evaporative Emission System Vent Valve Stuck Open
P2422	Evaporative Emission System Vent Valve Stuck Closed
P2422	Evaporative Emission System-Vent Control Circuit
P2422	Evaporative Emission System Vent Valve Stuck Closed
P2422	Evaporative Emission System-Vent Valve Stuck Close
P2422	Evaporative Emission System Vent Valve Stuck Closed
P2423	HC Adsorption Catalyst Efficiency Below Threshold Bank 1
P2424	HC Adsorption Catalyst Efficiency Below Threshold Bank 2
P2425	Exhaust Gas Recirculation Cooling Valve Control Circuit/Open
P2426	Exhaust Gas Recirculation Cooling Valve Control Circuit Low
P2427	Exhaust Gas Recirculation Cooling Valve Control Circuit High
P2428	Exhaust Gas Temperature Too High Bank 1
P2429	Exhaust Gas Temperature Too High Bank 2
P2430	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 1
P2431	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance Bank 1
P2432	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low Bank 1
P2433	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Bank 1
P2434	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic Bank 1

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2435</b>	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 2
<b>P2436</b>	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance Bank 2
<b>P2437</b>	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low Bank 2
<b>P2438</b>	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Bank 2
<b>P2439</b>	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic Bank 2
<b>P2440</b>	Secondary Air Injection System Switching Valve Stuck Open Bank 1
<b>P2441</b>	Secondary Air Injection System Switching Valve Stuck Closed Bank 1
<b>P2442</b>	Secondary Air Injection System Switching Valve Stuck Open Bank 2
<b>P2443</b>	Secondary Air Injection System Switching Valve Stuck Closed Bank 2
<b>P2444</b>	Secondary Air Injection System Pump Stuck On Bank 1
<b>P2445</b>	Secondary Air Injection System Pump Stuck Off Bank 1
<b>P2446</b>	Secondary Air Injection System Pump Stuck On Bank 2
<b>P2447</b>	Secondary Air Injection System Pump Stuck Off Bank 2
<b>P2448</b>	Secondary Air Injection System High Air Flow Bank 1
<b>P2449</b>	Secondary Air Injection System High Air Flow Bank 2
<b>P2450</b>	Evaporative Emission System Switching Valve Performance/ Stuck Open
<b>P2451</b>	Evaporative Emission System Switching Valve Stuck Closed
<b>P2457</b>	Exhaust Gas Recirculation Cooling System Performance
<b>P2466</b>	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 3
<b>P2467</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 3
<b>P2468</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 3
<b>P2469</b>	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3
<b>P2470</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 4
<b>P2471</b>	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 4
<b>P2472</b>	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 4
<b>P2473</b>	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 4

Trouble code	Fault location
<b>P2474</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 4
<b>P2475</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 4
<b>P2476</b>	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 4
<b>P2477</b>	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 2 Sensor 4
<b>P2478</b>	Exhaust Gas Temperature Out of Range Bank 1 Sensor 1
<b>P2479</b>	Exhaust Gas Temperature Out of Range Bank 1 Sensor 2
<b>P2480</b>	Exhaust Gas Temperature Sensor Circuit/Open Bank 1 Sensor 5
<b>P2481</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 5
<b>P2482</b>	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 5
<b>P2483</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 1 Sensor 5
<b>P2484</b>	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 5
<b>P2485</b>	Exhaust Gas Temperature Sensor Circuit/Open Bank 2 Sensor 5
<b>P2486</b>	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 5
<b>P2487</b>	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 5
<b>P2488</b>	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 5
<b>P2489</b>	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 2 Sensor 5
<b>P2500</b>	Generator Lamp/L-Terminal Circuit Low
<b>P2501</b>	Generator Lamp/L-Terminal Circuit High
<b>P2501</b>	AMS Voltage Rationality
<b>P2502</b>	Charging System Voltage
<b>P2502</b>	AMS Charging System Voltage
<b>P2502</b>	Charging System Voltage
<b>P2502</b>	Battery Voltage Rationality
<b>P2503</b>	Charging System Voltage Low
<b>P2503</b>	AMS No Battery Charge
<b>P2504</b>	Charging System Voltage High
<b>P2505</b>	ECM/PCM Power Input Signal
<b>P2506</b>	ECM/PCM Power Input Signal Range/Performance

Trouble code	Fault location
<b>P2507</b>	ECM/PCM Power Input Signal Low
<b>P2507</b>	ECM/PCM Power Input Signal
<b>P2507</b>	ECM/PCM power Input Signal Low
<b>P2508</b>	ECM/PCM Power Input Signal High
<b>P2509</b>	ECM/PCM Power Input Signal Intermittent
<b>P2510</b>	ECM/PCM Power Relay Sense Circuit Range/Performance
<b>P2511</b>	ECM/PCM Power Relay Sense Circuit Intermittent
<b>P2512</b>	Event Data Recorder Request Circuit/ Open
<b>P2513</b>	Event Data Recorder Request Circuit Low
<b>P2514</b>	Event Data Recorder Request Circuit High
<b>P2515</b>	A/C Refrigerant Pressure Sensor "B" Circuit
<b>P2516</b>	A/C Refrigerant Pressure Sensor "B" Circuit Range/ Performance
<b>P2517</b>	A/C Refrigerant Pressure Sensor "B" Circuit Low
<b>P2518</b>	A/C Refrigerant Pressure Sensor "B" Circuit High
<b>P2519</b>	A/C Request "A" Circuit
<b>P2520</b>	A/C Request "A" Circuit Low
<b>P2521</b>	A/C Request "A" Circuit High
<b>P2522</b>	A/C Request "B" Circuit
<b>P2523</b>	A/C Request "B" Circuit Low
<b>P2524</b>	A/C Request "B" Circuit High
<b>P2525</b>	Vacuum Reservoir Pressure Sensor Circuit
<b>P2526</b>	Vacuum Reservoir Pressure Sensor Circuit Range/ Performance
<b>P2527</b>	Vacuum Reservoir Pressure Sensor Circuit Low
<b>P2528</b>	Vacuum Reservoir Pressure Sensor Circuit High
<b>P2529</b>	Vacuum Reservoir Pressure Sensor Circuit Intermittent
<b>P2530</b>	Ignition Switch Run Position Circuit
<b>P2531</b>	Ignition Switch Run Position Circuit Low
<b>P2532</b>	Ignition Switch Run Position Circuit High
<b>P2533</b>	Ignition Switch Run/Start Position Circuit
<b>P2534</b>	Ignition Switch Run/Start Position Circuit Low
<b>P2535</b>	Ignition Switch Run/Start Position Circuit High
<b>P2536</b>	Ignition Switch Accessory Position Circuit
<b>P2537</b>	Ignition Switch Accessory Position Circuit Low
<b>P2538</b>	Ignition Switch Accessory Position Circuit High
<b>P2539</b>	Low Pressure Fuel System Sensor Circuit
<b>P2540</b>	Low Pressure Fuel System Sensor Circuit Range/Performance
<b>P2541</b>	Low Pressure Fuel System Sensor Circuit Low

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2542</b>	Low Pressure Fuel System Sensor Circuit High
<b>P2543</b>	Low Pressure Fuel System Sensor Circuit Intermittent
<b>P2544</b>	Torque Management Request Input Signal "A"
<b>P2545</b>	Torque Management Request Input Signal "A" Range/Performance
<b>P2546</b>	Torque Management Request Input Signal "A" Low
<b>P2547</b>	Torque Management Request Input Signal "A" High
<b>P2548</b>	Torque Management Request Input Signal "B"
<b>P2549</b>	Torque Management Request Input Signal "B" Range/Performance
<b>P2550</b>	Torque Management Request Input Signal "B" Low
<b>P2551</b>	Torque Management Request Input Signal "B" High
<b>P2552</b>	Throttle/Fuel Inhibit Circuit
<b>P2553</b>	Throttle/Fuel Inhibit Circuit Range/Performance
<b>P2554</b>	Throttle/Fuel Inhibit Circuit Low
<b>P2555</b>	Throttle/Fuel Inhibit Circuit High
<b>P2556</b>	Engine Coolant Level Sensor/Switch Circuit
<b>P2557</b>	Engine Coolant Level Sensor/Switch Circuit Range/Performance
<b>P2558</b>	Engine Coolant Level Sensor/Switch Circuit Low
<b>P2559</b>	Engine Coolant Level Sensor/Switch Circuit High
<b>P2560</b>	Engine Coolant Level Low
<b>P2561</b>	A/C Control Module Requested MIL Illumination
<b>P2562</b>	Turbocharger Boost Control Position Sensor Circuit
<b>P2563</b>	Turbocharger Boost Control Position Sensor Circuit Range/Performance
<b>P2564</b>	Turbocharger Boost Control Position Sensor Circuit Low
<b>P2565</b>	Turbocharger Boost Control Position Sensor Circuit High
<b>P2566</b>	Turbocharger Boost Control Position Sensor Circuit Intermittent
<b>P2567</b>	Direct Ozone Reduction Catalyst Temperature Sensor Circuit
<b>P2568</b>	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Range/Performance
<b>P2569</b>	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Low
<b>P2570</b>	Direct Ozone Reduction Catalyst Temperature Sensor Circuit High
<b>P2571</b>	Direct Ozone Reduction Catalyst Temperature Sensor Circuit Intermittent/Erratic
<b>P2572</b>	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit

Trouble code	Fault location
<b>P2573</b>	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Range/Performance
<b>P2574</b>	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Low
<b>P2575</b>	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit High
<b>P2576</b>	Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Intermittent/Erratic
<b>P2577</b>	Direct Ozone Reduction Catalyst Efficiency Below Threshold
<b>P2578</b>	Turbocharger Speed Sensor Circuit
<b>P2579</b>	Turbocharger Speed Sensor Circuit Range/Performance
<b>P2580</b>	Turbocharger Speed Sensor Circuit Low
<b>P2581</b>	Turbocharger Speed Sensor Circuit High
<b>P2582</b>	Turbocharger Speed Sensor Circuit Intermittent
<b>P2583</b>	Cruise Control Front Distance Range Sensor Single Sensor or Center
<b>P2584</b>	Fuel Additive Control Module Requested MIL Illumination
<b>P2585</b>	Fuel Additive Control Module Warning Lamp Request
<b>P2586</b>	Turbocharger Boost Control Position Sensor "B" Circuit
<b>P2587</b>	Turbocharger Boost Control Position Sensor "B" Circuit Range/Performance
<b>P2588</b>	Turbocharger Boost Control Position Sensor "B" Circuit Low
<b>P2589</b>	Turbocharger Boost Control Position Sensor "B" Circuit High
<b>P2590</b>	Turbocharger Boost Control Position Sensor "B" Circuit Intermittent/Erratic
<b>P2591</b>	Cruise Control Front Distance Range Sensor Left
<b>P2592</b>	Cruise Control Front Distance Range Sensor Right
<b>P2600</b>	Coolant Pump Control Circuit/Open
<b>P2601</b>	Coolant Pump Control Circuit Range/Performance
<b>P2602</b>	Coolant Pump Control Circuit Low
<b>P2603</b>	Coolant Pump Control Circuit High
<b>P2604</b>	Intake Air Heater "A" Circuit Range/Performance
<b>P2605</b>	Intake Air Heater "A" Circuit/Open
<b>P2606</b>	Intake Air Heater "B" Circuit Range/Performance
<b>P2607</b>	Intake Air Heater "B" Circuit Low
<b>P2608</b>	Intake Air Heater "B" Circuit High
<b>P2609</b>	Intake Air Heater System Performance
<b>P260F</b>	Evaporative System Monitoring Processor Performance
<b>P2610</b>	ECM/PCM Internal Engine Off Timer Performance
<b>P2610</b>	ECM/PCM Internal Engine Off Timer Performance

Trouble code	Fault location
<b>P2610</b>	ECM / PCM-Engine Off Timer Performance
<b>P2610</b>	ECM/PCM Internal Engine Off Timer Performance
<b>P2611</b>	A/C Refrigerant Distribution Valve Control Circuit/Open
<b>P2612</b>	A/C Refrigerant Distribution Valve Control Circuit Low
<b>P2613</b>	A/C Refrigerant Distribution Valve Control Circuit High
<b>P2614</b>	Camshaft Position Signal Output Circuit/Open
<b>P2615</b>	Camshaft Position Signal Output Circuit Low
<b>P2616</b>	Camshaft Position Signal Output Circuit High
<b>P2617</b>	Crankshaft Position Signal Output Circuit/Open
<b>P2618</b>	Crankshaft Position Signal Output Circuit Low
<b>P2619</b>	Crankshaft Position Signal Output Circuit High
<b>P2620</b>	Throttle Position Output Circuit/Open
<b>P2621</b>	Throttle Position Output Circuit Low
<b>P2622</b>	Throttle Position Output Circuit High
<b>P2623</b>	Injector Control Pressure Regulator Circuit/Open
<b>P2624</b>	Injector Control Pressure Regulator Circuit Low
<b>P2625</b>	Injector Control Pressure Regulator Circuit High
<b>P2626</b>	O2 Sensor Pumping Current Trim Circuit/Open Bank 1 Sensor 1
<b>P2626</b>	H02S Pumping Current Trim Circuit/Open (Bank 1 / Sensor 1)
<b>P2626</b>	O2 Sensor Pumping Current Trim Circuit/Open (Bank 1 Sensor 1)
<b>P2627</b>	O2 Sensor Pumping Current Trim Circuit Low Bank 1 Sensor 1
<b>P2628</b>	O2 Sensor Pumping Current Trim Circuit High Bank 1 Sensor 1
<b>P2629</b>	O2 Sensor Pumping Current Trim Circuit/Open Bank 2 Sensor 1
<b>P2630</b>	O2 Sensor Pumping Current Trim Circuit Low Bank 2 Sensor 1
<b>P2631</b>	O2 Sensor Pumping Current Trim Circuit High Bank 2 Sensor 1
<b>P2632</b>	Fuel Pump "B" Control Circuit /Open
<b>P2633</b>	Fuel Pump "B" Control Circuit Low
<b>P2634</b>	Fuel Pump "B" Control Circuit High
<b>P2635</b>	Fuel Pump "A" Low Flow / Performance
<b>P2636</b>	Fuel Pump "B" Low Flow / Performance
<b>P2637</b>	Torque Management Feedback Signal "A"
<b>P2637</b>	Torque Management Feedback Signal "A"
<b>P2638</b>	Torque Management Feedback Signal "A" Range/Performance



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
P2639	Torque Management Feedback Signal "A" Low
P2640	Torque Management Feedback Signal "A" High
P2641	Torque Management Feedback Signal "B"
P2642	Torque Management Feedback Signal "B" Range/Performance
P2643	Torque Management Feedback Signal "B" Low
P2644	Torque Management Feedback Signal "B" High
P2645	A Rocker Arm Actuator Control Circuit/Open Bank 1
P2646	A Rocker Arm Actuator System Performance or Stuck Off Bank 1
P2647	A Rocker Arm Actuator System Stuck On Bank 1
P2648	A Rocker Arm Actuator Control Circuit Low Bank 1
P2649	A Rocker Arm Actuator Control Circuit High Bank 1
P2650	B Rocker Arm Actuator Control Circuit/Open Bank 1
P2651	B Rocker Arm Actuator System Performance or Stuck Off Bank 1
P2652	B Rocker Arm Actuator System Stuck On Bank 1
P2653	B Rocker Arm Actuator Control Circuit Low Bank 1
P2654	B Rocker Arm Actuator Control Circuit High Bank 1
P2655	A Rocker Arm Actuator Control Circuit/Open Bank 2
P2656	A Rocker Arm Actuator System Performance or Stuck Off Bank 2
P2657	A Rocker Arm Actuator System Stuck On Bank 2
P2658	A Rocker Arm Actuator Control Circuit Low Bank 2
P2659	A Rocker Arm Actuator Control Circuit High Bank 2
P2660	B Rocker Arm Actuator Control Circuit/Open Bank 2
P2661	B Rocker Arm Actuator System Performance or Stuck Off Bank 2
P2662	B Rocker Arm Actuator System Stuck On Bank 2
P2663	B Rocker Arm Actuator Control Circuit Low Bank 2
P2664	B Rocker Arm Actuator Control Circuit High Bank 2
P2665	Fuel Shutoff Valve "B" Control Circuit/Open
P2666	Fuel Shutoff Valve "B" Control Circuit Low
P2666	Fuel Shut Off Valve "B" Control Circuit Low(on Bombe)
P2667	Fuel Shutoff Valve "B" Control Circuit High
P2667	Fuel Shut Off Valve "B" Control Circuit High(on Bombe)
P2668	Fuel Mode Indicator Lamp Control Circuit
P2669	Actuator Supply Voltage "B" Circuit /Open
P2670	Actuator Supply Voltage "B" Circuit Low
P2671	Actuator Supply Voltage "B" Circuit High

Trouble code	Fault location
P2672	Injection Pump Timing Offset
P2673	Injection Pump Timing Calibration Not Learned
P2674	Injection Pump Fuel Calibration Not Learned
P2675	Air Cleaner Inlet Control Circuit/Open
P2676	Air Cleaner Inlet Control Circuit Low
P2677	Air Cleaner Inlet Control Circuit High
P2678	Coolant Degassing Valve Control Circuit/Open
P2679	Coolant Degassing Valve Control Circuit Low
P2680	Coolant Degassing Valve Control Circuit High
P2681	Engine Coolant Bypass Valve Control Circuit/Open
P2682	Engine Coolant Bypass Valve Control Circuit Low
P2683	Engine Coolant Bypass Valve Control Circuit High
P2684	Actuator Supply Voltage "C" Circuit/Open
P2685	Actuator Supply Voltage "C" Circuit Low
P2686	Actuator Supply Voltage "C" Circuit High
P2687	Fuel Supply Heater Control Circuit/Open
P2688	Fuel Supply Heater Control Circuit Low
P2689	Fuel Supply Heater Control Circuit High
P2690	Cylinder 5 Injector Data Incompatible
P2691	Cylinder 6 Injector Data Incompatible
P2692	Cylinder 7 Injector Data Incompatible
P2693	Cylinder 8 Injector Data Incompatible
P2694	Cylinder 9 Injector Data Incompatible
P2695	Cylinder 10 Injector Data Incompatible
P2696	Injector Data Incompatible
P2697	Exhaust Aftertreatment Fuel Injector "A" Circuit/Open
P2698	Exhaust Aftertreatment Fuel Injector "A" Performance
P2699	Exhaust Aftertreatment Fuel Injector "A" Circuit Low
P2700	Transmission Friction Element "A" Apply Time Range/Performance
P2700	Transmission Friction Element "A" Apply Time Range/Performance
P2701	Transmission Friction Element "B" Apply Time Range/Performance
P2701	Transmission Friction Element "B" Apply Time Range/Performance
P2702	Transmission Friction Element "C" Apply Time Range/Performance
P2702	Transmission Friction Element "C" Apply Time Range/Performance

Trouble code	Fault location
P2703	Transmission Friction Element "D" Apply Time Range/Performance
P2703	Transmission Friction Element "D" Apply Time Range/Performance
P2704	Transmission Friction Element "E" Apply Time Range/Performance
P2704	Transmission Friction Element "E" Apply Time Range/Performance
P2705	Transmission Friction Element "F" Apply Time Range/Performance
P2706	Shift Solenoid "F"
P2707	Shift Solenoid "F" Performance or Stuck Off
P2708	Shift Solenoid "F" Stuck On
P2709	Shift Solenoid "F" Electrical
P2709	Shift Control Solenoid Valve "F" Electrical (SS-B)
P2709	Shift Control Solenoid Valve "F" Electrical (8LR/B)
P2709	Shift Solenoid F (SS-B)
P2710	Shift Solenoid "F" Intermittent
P2711	Unexpected Mechanical Gear Disengagement
P2712	Hydraulic Power Unit Leakage
P2713	Pressure Control Solenoid "D"
P2714	Pressure Control Solenoid "D" Performance or Stuck Off
P2715	Pressure Control Solenoid "D" Stuck On
P2716	Pressure Control Solenoid "D" Electrical
P2717	Pressure Control Solenoid "D" Intermittent
P2718	Pressure Control Solenoid "D" Control Circuit / Open
P2719	Pressure Control Solenoid "D" Control Circuit Range/Performance
P2720	Pressure Control Solenoid "D" Control Circuit Low
P2721	Pressure Control Solenoid "D" Control Circuit High
P2722	Pressure Control Solenoid "E"
P2723	Pressure Control Solenoid "E" Performance or Stuck Off
P2724	Pressure Control Solenoid "E" Stuck On
P2725	Pressure Control Solenoid "E" Electrical
P2726	Pressure Control Solenoid "E" Intermittent
P2727	Pressure Control Solenoid "E" Control Circuit / Open
P2728	Pressure Control Solenoid "E" Control Circuit Range/Performance
P2729	Pressure Control Solenoid "E" Control Circuit Low
P2730	Pressure Control Solenoid "E" Control Circuit High

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2731</b>	Pressure Control Solenoid "F"
<b>P2732</b>	Pressure Control Solenoid "F" Performance or Stuck Off
<b>P2733</b>	Pressure Control Solenoid "F" Stuck On
<b>P2734</b>	Pressure Control Solenoid "F" Electrical
<b>P2735</b>	Pressure Control Solenoid "F" Intermittent
<b>P2736</b>	Pressure Control Solenoid "F" Control Circuit/Open
<b>P2737</b>	Pressure Control Solenoid "F" Control Circuit Range/Performance
<b>P2738</b>	Pressure Control Solenoid "F" Control Circuit Low
<b>P2739</b>	Pressure Control Solenoid "F" Control Circuit High
<b>P273A</b>	Transmission Friction Element "G" Apply Time Range/Performance
<b>P273B</b>	Transmission Friction Element "H" Apply Time Range/Performance
<b>P2740</b>	Transmission Fluid Temperature Sensor "B" Circuit
<b>P2741</b>	Transmission Fluid Temperature Sensor "B" Circuit Range Performance
<b>P2742</b>	Transmission Fluid Temperature Sensor "B" Circuit Low
<b>P2743</b>	Transmission Fluid Temperature Sensor "B" Circuit High
<b>P2744</b>	Transmission Fluid Temperature Sensor "B" Circuit Intermittent
<b>P2745</b>	Intermediate Shaft Speed Sensor "B" Circuit
<b>P2746</b>	Intermediate Shaft Speed Sensor "B" Circuit Range/Performance
<b>P2747</b>	Intermediate Shaft Speed Sensor "B" Circuit No Signal
<b>P2748</b>	Intermediate Shaft Speed Sensor "B" Circuit Intermittent
<b>P2749</b>	Intermediate Shaft Speed Sensor "C" Circuit
<b>P2750</b>	Intermediate Shaft Speed Sensor "C" Circuit Range/Performance
<b>P2751</b>	Intermediate Shaft Speed Sensor "C" Circuit No Signal
<b>P2752</b>	Intermediate Shaft Speed Sensor "C" Circuit Intermittent
<b>P2753</b>	Transmission Fluid Cooler Control Circuit/Open
<b>P2754</b>	Transmission Fluid Cooler Control Circuit Low
<b>P2755</b>	Transmission Fluid Cooler Control Circuit High
<b>P2756</b>	Torque Converter Clutch Pressure Control Solenoid
<b>P2757</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Performance or Stuck Off
<b>P2758</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Stuck On
<b>P2759</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical

Trouble code	Fault location
<b>P2760</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Intermittent
<b>P2761</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit/Open
<b>P2762</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Range/Performance
<b>P2762</b>	SLU Lineir Feedback Current Stick
<b>P2762</b>	Torque Converter Clutch Control Solenoid Valve Feedback Current Stuck(SLU)
<b>P2763</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit High
<b>P2763</b>	SLU GND Short/Open
<b>P2763</b>	Torque Converter Clutch Control Solenoid Valve Circuit High (SLU)
<b>P2764</b>	Torque Converter Clutch Pressure Control Solenoid Control Circuit Low
<b>P2764</b>	SLU +B Short
<b>P2764</b>	Torque Converter Clutch Control Solenoid Valve Circuit Low (SLU)
<b>P2765</b>	Input/Turbine Speed Sensor "B" Circuit
<b>P2765</b>	Input/Turbine Speed Sensor "B" Circuit
<b>P2766</b>	Input/Turbine Speed Sensor "B" Circuit Range/Performance
<b>P2766</b>	Input/Turbine Speed Sensor "B" Circuit Range/Performance
<b>P2767</b>	Input/Turbine Speed Sensor "B" Circuit No Signal
<b>P2768</b>	Input/Turbine Speed Sensor "B" Circuit Intermittent
<b>P2769</b>	Torque Converter Clutch Circuit Low
<b>P2770</b>	Torque Converter Clutch Circuit High
<b>P2771</b>	Four Wheel Drive (4WD) Low Switch Circuit
<b>P2772</b>	Four Wheel Drive (4WD) Low Switch Circuit Range/Performance
<b>P2773</b>	Four Wheel Drive (4WD) Low Switch Circuit Low
<b>P2774</b>	Four Wheel Drive (4WD) Low Switch Circuit High
<b>P2775</b>	Upshift Switch Circuit Range/Performance
<b>P2776</b>	Upshift Switch Circuit Low
<b>P2777</b>	Upshift Switch Circuit High
<b>P2778</b>	Upshift Switch Circuit Intermittent/Erratic
<b>P2779</b>	Downshift Switch Circuit Range/Performance
<b>P2780</b>	Downshift Switch Circuit Low
<b>P2781</b>	Downshift Switch Circuit High
<b>P2782</b>	Downshift Switch Circuit Intermittent/Erratic
<b>P2783</b>	Torque Converter Temperature Too High

Trouble code	Fault location
<b>P2784</b>	Input/Turbine Speed Sensor "A"/"B" Correlation
<b>P2785</b>	Clutch Actuator Temperature Too High
<b>P2786</b>	Gear Shift Actuator Temperature Too High
<b>P2787</b>	Clutch Temperature Too High
<b>P2788</b>	Auto Shift Manual Adaptive Learning at Limit
<b>P2789</b>	Clutch Adaptive Learning at Limit
<b>P2790</b>	Gate Select Direction Circuit
<b>P2791</b>	Gate Select Direction Circuit Low
<b>P2792</b>	Gate Select Direction Circuit High
<b>P2793</b>	Gear Shift Direction Circuit
<b>P2794</b>	Gear Shift Direction Circuit Low
<b>P2795</b>	Gear Shift Direction Circuit High
<b>P2796</b>	Auxiliary Transmission Fluid Pump Control Circuit/Open
<b>P2797</b>	Auxiliary Transmission Fluid Pump Performance
<b>P2798</b>	Auxiliary Transmission Fluid Pump Control Circuit Low
<b>P2799</b>	Auxiliary Transmission Fluid Pump Control Circuit High
<b>P2800</b>	Transmission Range Sensor "B" Circuit (PRNDL Input)
<b>P2801</b>	Transmission Range Sensor "B" Circuit Range/Performance
<b>P2802</b>	Transmission Range Sensor "B" Circuit Low
<b>P2803</b>	Transmission Range Sensor "B" Circuit High
<b>P2804</b>	Transmission Range Sensor "B" Circuit Intermittent
<b>P2805</b>	Transmission Range Sensor "A"/"B" Correlation
<b>P2806</b>	Transmission Range Sensor Alignment
<b>P2807</b>	Pressure Control Solenoid "G"
<b>P2808</b>	Pressure Control Solenoid "G" Performance/Stuck Off
<b>P2809</b>	Pressure Control Solenoid "G" Stuck On
<b>P2810</b>	Pressure Control Solenoid "G" Electrical
<b>P2811</b>	Pressure Control Solenoid "G" Intermittent
<b>P2812</b>	Pressure Control Solenoid "G" Control Circuit/Open
<b>P2813</b>	Pressure Control Solenoid "G" Control Circuit Range/Performance
<b>P2814</b>	Pressure Control Solenoid "G" Control Circuit Low
<b>P2815</b>	Pressure Control Solenoid "G" Control Circuit High
<b>P2816</b>	Pressure Control Solenoid "H"
<b>P2817</b>	Pressure Control Solenoid "H" Performance/Stuck Off
<b>P2817</b>	System too Lean at Idle(Bank 1)
<b>P2818</b>	Pressure Control Solenoid "H" Stuck On
<b>P2819</b>	Pressure Control Solenoid "H" Electrical
<b>P2820</b>	Pressure Control Solenoid "J" Performance/Stuck Off

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P2821</b>	Pressure Control Solenoid “J” Stuck On
<b>P2822</b>	Pressure Control Solenoid “J” Electrical
<b>P2823</b>	Pressure Control Solenoid “J” Intermittent
<b>P2824</b>	Pressure Control Solenoid “J” Control Circuit/Open
<b>P2825</b>	Pressure Control Solenoid “J” Control Circuit Range/Performance
<b>P2826</b>	Pressure Control Solenoid “J” Control Circuit Low
<b>P2827</b>	Pressure Control Solenoid “J” Control Circuit High
<b>P2828</b>	Pressure Control Solenoid “K”
<b>P2829</b>	Pressure Control Solenoid “K” Performance/Stuck Off
<b>P2830</b>	Pressure Control Solenoid “K” Control Circuit High
<b>P2831</b>	Shift Fork “A” Position Circuit
<b>P2832</b>	Shift Fork “A” Position Circuit Range/Performance
<b>P2833</b>	Shift Fork “A” Position Circuit Low
<b>P2834</b>	Shift Fork “A” Position Circuit High
<b>P2835</b>	Shift Fork “A” Position Circuit Intermittent
<b>P2836</b>	Shift Fork “B” Position Circuit
<b>P2837</b>	Shift Fork “B” Position Circuit Range/Performance
<b>P2838</b>	Shift Fork “B” Position Circuit Low
<b>P2839</b>	Shift Fork “B” Position Circuit High
<b>P2840</b>	Shift Fork “D” Position Circuit
<b>P2841</b>	Shift Fork “D” Position Circuit Range/Performance
<b>P2842</b>	Shift Fork “D” Position Circuit Low
<b>P2843</b>	Shift Fork “D” Position Circuit High
<b>P2844</b>	Shift Fork “D” Position Circuit Intermittent
<b>P2845</b>	Shift Fork “A” Position Sensor Incorrect Neutral Position Indicated
<b>P2846</b>	Shift Fork “B” Position Sensor Incorrect Neutral Position Indicated
<b>P2847</b>	Shift Fork “C” Position Sensor Incorrect Neutral Position Indicated
<b>P2848</b>	Shift Fork “D” Position Sensor Incorrect Neutral Position Indicated
<b>P2849</b>	Shift Fork “A” Stuck
<b>P2850</b>	Shift Fork “D” Unrequested Movement
<b>P2851</b>	Shift Fork Position Sensor “A”/“B” Correlation
<b>P2852</b>	Shift Fork Position Sensor “C”/“D” Correlation
<b>P2853</b>	Clutch “A” Pressure Discharge Performance
<b>P2854</b>	Clutch “B” Pressure Discharge Performance
<b>P2855</b>	Clutch “A” Pressure Charge Performance

Trouble code	Fault location
<b>P2856</b>	Clutch “B” Pressure Charge Performance
<b>P2857</b>	Clutch “A” Pressure Engagement Performance
<b>P2858</b>	Clutch “B” Pressure Engagement Performance
<b>P2859</b>	Clutch “A” Pressure Disengagement Performance
<b>P2A00</b>	O2 Sensor Circuit Range/Performance Bank 1 Sensor 1
<b>P2A00</b>	HO2S Not Ready (Bank 1 / Sensor 1)
<b>P2A01</b>	O2 Sensor Circuit Range/Performance Bank 1 Sensor 2
<b>P2A01</b>	Rear O2 Snsr Perform - Bank1
<b>P2A01</b>	HO2S Sensor Circuit Range/Performance(Bank1/Sensor2)
<b>P2A02</b>	O2 Sensor Circuit Range/Performance Bank 1 Sensor 3
<b>P2A03</b>	O2 Sensor Circuit Range/Performance Bank 2 Sensor 1
<b>P2A03</b>	HO2S Not Ready (Bank 2 / Sensor 1)
<b>P2A04</b>	O2 Sensor Circuit Range/Performance Bank 2 Sensor 2
<b>P2A04</b>	Rear O2 Snsr Perform - Bank2
<b>P2A04</b>	HO2S Sensor Circuit Range/Performance(Bank2/Sensor2)
<b>P2A05</b>	O2 Sensor Circuit Range/Performance Bank 2 Sensor 3
<b>P2A06</b>	O2 Sensor Negative Voltage Bank 1 Sensor 1
<b>P2A07</b>	O2 Sensor Negative Voltage Bank 1 Sensor 2
<b>P2A08</b>	O2 Sensor Negative Voltage Bank 1 Sensor 3
<b>P2A09</b>	O2 Sensor Negative Voltage Bank 2 Sensor 1
<b>P2A10</b>	O2 Sensor Negative Voltage Bank 2 Sensor 2
<b>P2A11</b>	O2 Sensor Negative Voltage Bank 2 Sensor 3
<b>P2BA7</b>	NOx Exceedence - Empty Reagent Tank
<b>P2BA8</b>	NOx Exceedence - Interruption of Reagent Dosing Activity
<b>P2BA9</b>	NOx Exceedence - Insufficient Reagent Quality
<b>P2BAA</b>	NOx Exceedence - Low Reagent Consumption
<b>P2BAB</b>	NOx Exceedence - Incorrect EGR Flow
<b>P2BAC</b>	NOx Exceedence - Deactivation of EGR
<b>P2BAD</b>	NOx Exceedence - Root Cause Unknown
<b>P2BAE</b>	NOx Exceedence - NOx control monitoring system
<b>P3100</b>	Control Module - Failure Motorwinding
<b>P3101</b>	Control Module - Motor Overcurrent
<b>P3102</b>	Control Module - Control ASIC Overtemperature
<b>P3103</b>	Control Module - Failure Position Sensor
<b>P3104</b>	Control Module - Failure Current Measurement
<b>P3105</b>	Control Module - Failure External Watchdog Disabled
<b>P3106</b>	Control Module - Failure External Watchdog Test
<b>P3107</b>	Motor Supply Voltage Open Circuit

Trouble code	Fault location
<b>P3108</b>	Control Unit Supply Voltage Open Circuit
<b>P3109</b>	System Failure - Torque Tube Violation
<b>P310A</b>	System Failure - Initial Position Search Failed
<b>P310B</b>	System Failure - Initial Position Drift
<b>P310C</b>	System Failure - Calibration
<b>P310D</b>	System Failure - Position During Calibration
<b>P310E</b>	Mechanical Failure - Angle Limit Exceed
<b>P310F</b>	System Failure - Maximal Clutch Stress
<b>P3110</b>	System Failure - Maximal ECU Stress
<b>P3111</b>	Mechanical Failure - Clutch Worn
<b>P3113</b>	Failure - Initial Calibration Not Done
<b>P3114</b>	Vehicle Information Option Not Detected Or Invalid
<b>P3115</b>	Classification Missing Occurrence Only In Case of ITA Exchanged
<b>P3116</b>	Insufficient CAN Signals - Driving Stability
<b>P3117</b>	Insufficient CAN Signals - TC Protection
<b>P3118</b>	Insufficient CAN Signals - Driving Inconvenience Signals
<b>P3119</b>	Insufficient CAN Signals - Driving Inconvenience Tires
<b>P3400</b>	Cylinder Deactivation System Bank 1
<b>P3401</b>	Cylinder 1 Deactivation/Intake Valve Control Circuit/Open
<b>P3402</b>	Cylinder 1 Deactivation/Intake Valve Control Performance
<b>P3403</b>	Cylinder 1 Deactivation/Intake Valve Control Circuit Low
<b>P3404</b>	Cylinder 1 Deactivation/Intake Valve Control Circuit High
<b>P3405</b>	Cylinder 1 Exhaust Valve Control Circuit/Open
<b>P3406</b>	Cylinder 1 Exhaust Valve Control Performance
<b>P3407</b>	Cylinder 1 Exhaust Valve Control Circuit Low
<b>P3408</b>	Cylinder 1 Exhaust Valve Control Circuit High
<b>P3409</b>	Cylinder 2 Deactivation/Intake Valve Control Circuit/Open
<b>P3410</b>	Cylinder 2 Deactivation/Intake Valve Control Performance
<b>P3411</b>	Cylinder 2 Deactivation/Intake Valve Control Circuit Low
<b>P3412</b>	Cylinder 2 Deactivation/Intake Valve Control Circuit High
<b>P3413</b>	Cylinder 2 Exhaust Valve Control Circuit/Open
<b>P3414</b>	Cylinder 2 Exhaust Valve Control Performance
<b>P3415</b>	Cylinder 2 Exhaust Valve Control Circuit Low
<b>P3416</b>	Cylinder 2 Exhaust Valve Control Circuit High
<b>P3417</b>	Cylinder 3 Deactivation/Intake Valve Control Circuit/Open
<b>P3418</b>	Cylinder 3 Deactivation/Intake Valve Control Performance
<b>P3419</b>	Cylinder 3 Deactivation/Intake Valve Control Circuit Low
<b>P3420</b>	Cylinder 3 Deactivation/Intake Valve Control Circuit High



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>P3421</b>	Cylinder 3 Exhaust Valve Control Circuit/Open
<b>P3422</b>	Cylinder 3 Exhaust Valve Control Performance
<b>P3423</b>	Cylinder 3 Exhaust Valve Control Circuit Low
<b>P3424</b>	Cylinder 3 Exhaust Valve Control Circuit High
<b>P3425</b>	Cylinder 4 Deactivation/Intake Valve Control Circuit/Open
<b>P3426</b>	Cylinder 4 Deactivation/Intake Valve Control Performance
<b>P3427</b>	Cylinder 4 Deactivation/Intake Valve Control Circuit Low
<b>P3428</b>	Cylinder 4 Deactivation/Intake Valve Control Circuit High
<b>P3429</b>	Cylinder 4 Exhaust Valve Control Circuit/Open
<b>P3430</b>	Cylinder 4 Exhaust Valve Control Performance
<b>P3431</b>	Cylinder 4 Exhaust Valve Control Circuit Low
<b>P3432</b>	Cylinder 4 Exhaust Valve Control Circuit High
<b>P3433</b>	Cylinder 5 Deactivation/Intake Valve Control Circuit/Open
<b>P3434</b>	Cylinder 5 Deactivation/Intake Valve Control Performance
<b>P3435</b>	Cylinder 5 Deactivation/Intake Valve Control Circuit Low
<b>P3436</b>	Cylinder 5 Deactivation/Intake Valve Control Circuit High
<b>P3437</b>	Cylinder 5 Exhaust Valve Control Circuit/Open
<b>P3438</b>	Cylinder 5 Exhaust Valve Control Performance
<b>P3439</b>	Cylinder 5 Exhaust Valve Control Circuit Low
<b>P3440</b>	Cylinder 5 Exhaust Valve Control Circuit High
<b>P3441</b>	Cylinder 6 Deactivation/Intake Valve Control Circuit/Open
<b>P3442</b>	Cylinder 6 Deactivation/Intake Valve Control Performance
<b>P3443</b>	Cylinder 6 Deactivation/Intake Valve Control Circuit Low
<b>P3444</b>	Cylinder 6 Deactivation/Intake Valve Control Circuit High
<b>P3445</b>	Cylinder 6 Exhaust Valve Control Circuit/Open
<b>P3446</b>	Cylinder 6 Exhaust Valve Control Performance
<b>P3447</b>	Cylinder 6 Exhaust Valve Control Circuit Low
<b>P3448</b>	Cylinder 6 Exhaust Valve Control Circuit High
<b>P3449</b>	Cylinder 7 Deactivation/Intake Valve Control Circuit/Open
<b>P3450</b>	Cylinder 7 Deactivation/Intake Valve Control Performance
<b>P3451</b>	Cylinder 7 Deactivation/Intake Valve Control Circuit Low
<b>P3452</b>	Cylinder 7 Deactivation/Intake Valve Control Circuit High
<b>P3453</b>	Cylinder 7 Exhaust Valve Control Circuit/Open
<b>P3454</b>	Cylinder 7 Exhaust Valve Control Performance
<b>P3455</b>	Cylinder 7 Exhaust Valve Control Circuit Low
<b>P3456</b>	Cylinder 7 Exhaust Valve Control Circuit High
<b>P3457</b>	Cylinder 8 Deactivation/Intake Valve Control Circuit/Open
<b>P3458</b>	Cylinder 8 Deactivation/Intake Valve Control Performance

Trouble code	Fault location
<b>P3459</b>	Cylinder 8 Deactivation/Intake Valve Control Circuit Low
<b>P3460</b>	Cylinder 8 Deactivation/Intake Valve Control Circuit High
<b>P3461</b>	Cylinder 8 Exhaust Valve Control Circuit/Open
<b>P3462</b>	Cylinder 8 Exhaust Valve Control Performance
<b>P3463</b>	Cylinder 8 Exhaust Valve Control Circuit Low
<b>P3464</b>	Cylinder 8 Exhaust Valve Control Circuit High
<b>P3465</b>	Cylinder 9 Deactivation/Intake Valve Control Circuit/Open
<b>P3466</b>	Cylinder 9 Deactivation/Intake Valve Control Performance
<b>P3467</b>	Cylinder 9 Deactivation/Intake Valve Control Circuit Low
<b>P3468</b>	Cylinder 9 Deactivation/Intake Valve Control Circuit High
<b>P3469</b>	Cylinder 9 Exhaust Valve Control Circuit/Open
<b>P3470</b>	Cylinder 9 Exhaust Valve Control Performance
<b>P3471</b>	Cylinder 9 Exhaust Valve Control Circuit Low
<b>P3472</b>	Cylinder 9 Exhaust Valve Control Circuit High
<b>P3473</b>	Cylinder 10 Deactivation/Intake Valve Control Circuit/Open
<b>P3474</b>	Cylinder 10 Deactivation/Intake Valve Control Performance
<b>P3475</b>	Cylinder 10 Deactivation/Intake Valve Control Circuit Low
<b>P3476</b>	Cylinder 10 Deactivation/Intake Valve Control Circuit High
<b>P3477</b>	Cylinder 10 Exhaust Valve Control Circuit/Open
<b>P3478</b>	Cylinder 10 Exhaust Valve Control Performance
<b>P3479</b>	Cylinder 10 Exhaust Valve Control Circuit Low
<b>P3480</b>	Cylinder 10 Exhaust Valve Control Circuit High
<b>P3481</b>	Cylinder 11 Deactivation/Intake Valve Control Circuit/Open
<b>P3482</b>	Cylinder 11 Deactivation/Intake Valve Control Performance
<b>P3483</b>	Cylinder 11 Deactivation/Intake Valve Control Circuit Low
<b>P3484</b>	Cylinder 11 Deactivation/Intake Valve Control Circuit High
<b>P3485</b>	Cylinder 11 Exhaust Valve Control Circuit/Open
<b>P3486</b>	Cylinder 11 Exhaust Valve Control Performance
<b>P3487</b>	Cylinder 11 Exhaust Valve Control Circuit Low
<b>P3488</b>	Cylinder 11 Exhaust Valve Control Circuit High
<b>P3489</b>	Cylinder 12 Deactivation/Intake Valve Control Circuit/Open
<b>P3490</b>	Cylinder 12 Deactivation/Intake Valve Control Performance
<b>P3491</b>	Cylinder 12 Deactivation/Intake Valve Control Circuit Low
<b>P3492</b>	Cylinder 12 Deactivation/Intake Valve Control Circuit High
<b>P3493</b>	Cylinder 12 Exhaust Valve Control Circuit/Open
<b>P3494</b>	Cylinder 12 Exhaust Valve Control Performance
<b>P3495</b>	Cylinder 12 Exhaust Valve Control Circuit Low
<b>P3496</b>	Cylinder 12 Exhaust Valve Control Circuit High

Trouble code	Fault location
<b>P3497</b>	Cylinder Deactivation System Bank 2

## B Codes

<b>B0001</b>	Driver Frontal Stage 1 Deployment Control (Subfault)
<b>B0002</b>	Driver Frontal Stage 2 Deployment Control (Subfault)
<b>B0003</b>	Driver Frontal Stage 3 Deployment Control (Subfault)
<b>B0004</b>	Driver Knee Bolster Deployment Control (Subfault)
<b>B0005</b>	Collapsible Steering Column Deployment Control (Subfault)
<b>B0010</b>	Passenger Frontal Stage 1 Deployment Control (Subfault)
<b>B0011</b>	Passenger Frontal Stage 2 Deployment Control (Subfault)
<b>B0012</b>	Passenger Frontal Stage 3 Deployment Control (Subfault)
<b>B0013</b>	Passenger Knee Bolster Deployment Control (Subfault)
<b>B0020</b>	Left Side Airbag Deployment Control (Subfault)
<b>B0021</b>	Left Curtain Deployment Control 1 (Subfault)
<b>B0022</b>	Left Curtain Deployment Control 2 (Subfault)
<b>B0028</b>	Right Side Airbag Deployment Control (Subfault)
<b>B0029</b>	Right Curtain Deployment Control 1 (Subfault)
<b>B002A</b>	Right Curtain Deployment Control 2 (Subfault)
<b>B0030</b>	Second Row Left Side Airbag Deployment Control (Subfault)
<b>B0031</b>	Second Row Left Frontal Stage 1 Deployment Control (Subfault)
<b>B0032</b>	Second Row Left Frontal Stage 2 Deployment Control (Subfault)
<b>B0033</b>	Second Row Left Frontal Stage 3 Deployment Control (Subfault)
<b>B0038</b>	Second Row Right Side Airbag Deployment Control (Subfault)
<b>B0039</b>	Second Row Right Frontal Stage 1 Deployment Control (Subfault)
<b>B003A</b>	Second Row Right Frontal Stage 2 Deployment Control (Subfault)
<b>B003B</b>	Second Row Right Frontal Stage 3 Deployment Control (Subfault)
<b>B0040</b>	Third Row Left Side Airbag Deployment Control (Subfault)
<b>B0041</b>	Third Row Left Frontal Stage 1 Deployment Control (Subfault)
<b>B0042</b>	Third Row Left Frontal Stage 2 Deployment Control (Subfault)
<b>B0043</b>	Third Row Left Frontal Stage 3 Deployment Control (Subfault)
<b>B0048</b>	Third Row Right Side Airbag Deployment Control (Subfault)
<b>B0049</b>	Third Row Right Frontal Stage 1 Deployment Control (Subfault)
<b>B004A</b>	Third Row Right Frontal Stage 2 Deployment Control (Subfault)

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B004B</b>	Third Row Right Frontal Stage 3 Deployment Control (Subfault)
<b>B0050</b>	Driver Seatbelt Sensor (Subfault)
<b>B0051</b>	First Row Center Seatbelt Sensor (Subfault)
<b>B0052</b>	Passenger Seatbelt Sensor (Subfault)
<b>B0053</b>	Second Row Left Seatbelt Sensor (Subfault)
<b>B0054</b>	Second Row Center Seatbelt Sensor (Subfault)
<b>B0055</b>	Second Row Right Seatbelt Sensor (Subfault)
<b>B0056</b>	Third Row Left Seatbelt Sensor (Subfault)
<b>B0057</b>	Third Row Center Seatbelt Sensor (Subfault)
<b>B0058</b>	Third Row Right Seatbelt Sensor (Subfault)
<b>B0060</b>	Driver Seatbelt Tension Sensor (Subfault)
<b>B0061</b>	Passenger Seatbelt Tension Sensor (Subfault)
<b>B0070</b>	Driver Seatbelt Pretensioner "A" Deployment Control (Subfault)
<b>B0071</b>	First Row Center Seatbelt Pretensioner Deployment Control (Subfault)
<b>B0072</b>	Passenger Seatbelt Pretensioner "A" Deployment Control (Subfault)
<b>B0073</b>	Second Row Left Seatbelt Pretensioner Deployment Control (Subfault)
<b>B0074</b>	Second Row Center Seatbelt Pretensioner Deployment Control (Subfault)
<b>B0075</b>	Second Row Right Seatbelt Pretensioner Deployment Control (Subfault)
<b>B0076</b>	Third Row Left Seatbelt Pretensioner Deployment Control (Subfault)
<b>B0077</b>	Third Row Center Seatbelt Pretensioner Deployment Control (Subfault)
<b>B0078</b>	Third Row Right Seatbelt Pretensioner Deployment Control (Subfault)
<b>B0079</b>	Driver Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B007A</b>	Passenger Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B007B</b>	Second Row Left Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B007C</b>	Second Row Right Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B007D</b>	Second Row Center Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B007E</b>	Driver Seatbelt Pretensioner "C" Deployment Control (Subfault)

Trouble code	Fault location
<b>B007F</b>	Passenger Seatbelt Pretensioner "C" Deployment Control (Subfault)
<b>B0080</b>	Driver Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0081</b>	First Row Center Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0082</b>	Passenger Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0083</b>	Second Row Left Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0084</b>	Second Row Center Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0085</b>	Second Row Right Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0086</b>	Third Row Left Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0087</b>	Third Row Center Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0088</b>	Third Row Right Seatbelt Load Limiter Deployment Control (Subfault)
<b>B0090</b>	Left Frontal Restraints Sensor (Subfault)
<b>B0091</b>	Left Side Restraints Sensor 1 (Subfault)
<b>B0092</b>	Left Side Restraints Sensor 2 (Subfault)
<b>B0093</b>	Left Side Restraints Sensor 3 (Subfault)
<b>B0094</b>	Center Frontal Restraints Sensor (Subfault)
<b>B0095</b>	Right Frontal Restraints Sensor (Subfault)
<b>B0096</b>	Right Side Restraints Sensor 1 (Subfault)
<b>B0097</b>	Right Side Restraints Sensor 2 (Subfault)
<b>B0098</b>	Right Side Restraints Sensor 3 (Subfault)
<b>B0099</b>	Roll Over Sensor (Subfault)
<b>B009A</b>	Left Side Restraints Sensor 4 (Subfault)
<b>B009B</b>	Left Side Restraints Sensor 5 (Subfault)
<b>B009C</b>	Left Side Restraints Sensor 6 (Subfault)
<b>B009D</b>	Right Side Restraints Sensor 4 (Subfault)
<b>B009E</b>	Right Side Restraints Sensor 5 (Subfault)
<b>B009F</b>	Right Side Restraints Sensor 6 (Subfault)
<b>B00A0</b>	Occupant Classification System (Subfault)
<b>B00A1</b>	Occupant Position System (Subfault)
<b>B00B0</b>	Driver Seat Occupant Classification Sensor "A" (Subfault)
<b>B00B1</b>	Driver Seat Occupant Classification Sensor "B" (Subfault)
<b>B00B2</b>	Driver Seat Occupant Classification Sensor "C" (Subfault)
<b>B00B3</b>	Driver Seat Occupant Classification Sensor "D" (Subfault)

Trouble code	Fault location
<b>B00B4</b>	Driver Seat Occupant Classification Sensor "E" (Subfault)
<b>B00B5</b>	Driver Seat Track Position Restraints Sensor (Subfault)
<b>B00B6</b>	Driver Seat Recline Position Restraints Sensor (Subfault)
<b>B00B7</b>	Driver Seat Occupant Position Sensor "A" (Subfault)
<b>B00B8</b>	Driver Seat Occupant Position Sensor "B" (Subfault)
<b>B00B9</b>	Driver Seat Occupant Position Sensor "C" (Subfault)
<b>B00BA</b>	Driver Seat Occupant Position Sensor "D" (Subfault)
<b>B00BB</b>	Driver Seat Occupant Position Sensor "E" (Subfault)
<b>B00C0</b>	Passenger Seat Occupant Classification Sensor "A" (Subfault)
<b>B00C1</b>	Passenger Seat Occupant Classification Sensor "B" (Subfault)
<b>B00C2</b>	Passenger Seat Occupant Classification Sensor "C" (Subfault)
<b>B00C3</b>	Passenger Seat Occupant Classification Sensor "D" (Subfault)
<b>B00C4</b>	Passenger Seat Occupant Classification Sensor "E" (Subfault)
<b>B00C5</b>	Passenger Seat Track Position Restraints Sensor (Subfault)
<b>B00C6</b>	Passenger Seat Recline Position Restraints Sensor (Subfault)
<b>B00C7</b>	Passenger Seat Occupant Position Sensor "A" (Subfault)
<b>B00C8</b>	Passenger Seat Occupant Position Sensor "B" (Subfault)
<b>B00C9</b>	Passenger Seat Occupant Position Sensor "C" (Subfault)
<b>B00CA</b>	Passenger Seat Occupant Position Sensor "D" (Subfault)
<b>B00CB</b>	Passenger Seat Occupant Position Sensor "E" (Subfault)
<b>B00D0</b>	Driver Seatbelt Indicator (Subfault)
<b>B00D1</b>	Passenger Seatbelt Indicator (Subfault)
<b>B00D2</b>	Restraint System Malfunction Indicator 1 (Subfault)
<b>B00D3</b>	Restraint System Malfunction Indicator 2 (Subfault)
<b>B00D4</b>	Restraint System Malfunction Audible Indicator (Subfault)
<b>B00D5</b>	Restraint System Passenger Disable Indicator (Subfault)
<b>B00DF</b>	Passenger Restraints Disable Switch (Subfault)
<b>B00E0</b>	Third Row Left Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B00E1</b>	Third Row Right Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B00E2</b>	Third Row Center Seatbelt Pretensioner "B" Deployment Control (Subfault)
<b>B00E3</b>	Second Row Left Seatbelt Pretensioner "C" Deployment Control (Subfault)
<b>B00E4</b>	Second Row Right Seatbelt Pretensioner "C" Deployment Control (Subfault)
<b>B00E5</b>	Second Row Center Seatbelt Pretensioner "C" Deployment Control (Subfault)

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B00E6</b>	Third Row Right Seatbelt Pretensioner “C” Deployment Control (Subfault)
<b>B00E7</b>	Third Row Left Seatbelt Pretensioner “C” Deployment Control (Subfault)
<b>B00E8</b>	Third Row Center Seatbelt Pretensioner “C” Deployment Control (Subfault)
<b>B108052</b>	ECS Missing Error - without ECS unit or connector fault
<b>B108052</b>	ECS Missing Error
<b>B108055</b>	ECC Present Error - Coding code error
<b>B108055</b>	ECS Present Error
<b>B1100</b>	Battery Voltage-Over Range
<b>B1101</b>	Battery Voltage Over Voltage. ( > 16v )
<b>B1101</b>	Battery Voltage High
<b>B110100</b>	Battery Voltage High
<b>B110100</b>	Battery Voltage High
<b>B1102</b>	Battery Voltage Low Voltage. ( < 8v )
<b>B1102</b>	Battery Voltage Low
<b>B1102</b>	Ignition Voltage Low
<b>B1102</b>	Battery Voltage Low
<b>B110200</b>	Battery Voltage Low
<b>B110200</b>	Battery Voltage Low
<b>B1103</b>	Ignition Voltage Over Range
<b>B1103</b>	Communication Battery Voltage Too Low
<b>B110300</b>	Communication Battery Voltage Too Low
<b>B1104</b>	Ignition Voltage Over Voltage. ( > 16v )
<b>B1104</b>	Battery Voltage Out of Range
<b>B110400</b>	Battery Voltage Out of Range
<b>B1105</b>	Ignition Voltage Low Voltage. ( < 8v )
<b>B1105</b>	Reference Voltage Fault
<b>B110500</b>	Reference Voltage Fault
<b>B1106</b>	Alternator Terminal L Over Range
<b>B1106</b>	Alternator ‘L’ Voltage
<b>B110600</b>	Alternator ‘L’ Voltage
<b>B1107</b>	Alternator Terminal L Over Voltage. ( > 16v )
<b>B1107</b>	Alternator “L” Voltage High
<b>B110700</b>	Alternator “L” Voltage High
<b>B1108</b>	Alternator Terminal L Low Voltage. ( < 8v )
<b>B1108</b>	Alternator “L” Voltage Low
<b>B110800</b>	Alternator “L” Voltage Low

Trouble code	Fault location
<b>B1109</b>	Condenser Voltage Over Range
<b>B1110</b>	Condenser Over Voltage.
<b>B1110</b>	Ignition Voltage
<b>B111000</b>	Ignition Voltage
<b>B1111</b>	Battery Voltage-High
<b>B1111</b>	Battery Voltage High
<b>B1111</b>	Ignition Voltage High
<b>B111100</b>	Ignition Voltage High
<b>B111117</b>	Ignition Voltage High
<b>B1112</b>	Battery Voltage-Low
<b>B1112</b>	Ignition Voltage Low
<b>B1112</b>	Battery Voltage Low
<b>B1112</b>	Ignition Voltage Low
<b>B111200</b>	Ignition Voltage Low
<b>B111216</b>	Ignition Voltage Low
<b>B1113</b>	5V Source Over Voltage.
<b>B1114</b>	5V Source Low Voltage.
<b>B1115</b>	Power Ground
<b>B1116</b>	Sensor Ground
<b>B1127</b>	Backup Battery Error
<b>B1200</b>	Humidity Sensor Open(High)
<b>B1201</b>	Humidity Sensor Short(Low)
<b>B1202</b>	Heater/Engine-Coolant Water Temperature Sensor Open(High)
<b>B1203</b>	Heater/Engine-Coolant Water Temperature Sensor Short(Low)
<b>B1204</b>	Air Mix Potentiometer Open (Low)-Passenger
<b>B1205</b>	Air Mix Potentiometer Short (High)-Passenger
<b>B1206</b>	Direction Potentiometer Open (Low)-Passenger
<b>B1207</b>	Direction Potentiometer Short (High)-Passenger
<b>B1208</b>	Intake Potentiometer Open (Low)
<b>B1209</b>	Intake Potentiometer Short (High)
<b>B1210</b>	Front Left Sensor Fault
<b>B121000</b>	Front Left Sensor Fault
<b>B1211</b>	Front Center Left Sensor Fault
<b>B121100</b>	Front Center Left Sensor Fault
<b>B1212</b>	Front Center Right Sensor Fault
<b>B121200</b>	Front Center Right Sensor Fault
<b>B1213</b>	Front Right Sensor Fault

Trouble code	Fault location
<b>B121300</b>	Front Right Sensor Fault
<b>B1214</b>	Rear Left Sensor Fault
<b>B121400</b>	Rear Left Sensor Fault
<b>B1215</b>	Rear Center Left Sensor Fault
<b>B121500</b>	Rear Center Left Sensor Fault
<b>B1216</b>	Rear Center Right Sensor Fault
<b>B121600</b>	Rear Center Right Sensor Fault
<b>B1217</b>	Rear Right Sensor Fault
<b>B121700</b>	Rear Right Sensor Fault
<b>B1218</b>	External Control Valve open (Low)
<b>B1219</b>	External Control Valve short (High)
<b>B1220</b>	Vehicle Speed Sensor(VSS)
<b>B1220</b>	Vehicle Speed Sensor
<b>B1221</b>	Vehicle Speed Sensor(VSS) - Abnormal
<b>B1222</b>	Vehicle Speed Sensor(VSS) - Low Input
<b>B1223</b>	Vehicle Speed Sensor(VSS) - High Input
<b>B1223</b>	Vehicle Speed Sensor Failure
<b>B1224</b>	G Sensor
<b>B1225</b>	G Sensor - Abnormal
<b>B1226</b>	G Sensor - Low Input
<b>B1227</b>	G Sensor - High Input
<b>B1228</b>	Pressure Sensor
<b>B1229</b>	Low Pressure Sensor
<b>B1230</b>	High Pressure Sensor
<b>B1231</b>	In-Car Temperature Sensor
<b>B1232</b>	In-Car Temperature Sensor Abnormal
<b>B1233</b>	In-Car Temperature Sensor Short
<b>B1233</b>	In-Car Temperature Sensor Short (Low)
<b>B1234</b>	In-Car Temperature Sensor Open
<b>B1234</b>	In-Car Temperature Sensor Open (High)
<b>B1235</b>	Ambient Temperature Sensor
<b>B1236</b>	Ambient Temperature Sensor Abnormal
<b>B1237</b>	Ambient Temperature Sensor Short
<b>B1237</b>	Ambient Temperature Sensor Short (Low)
<b>B1238</b>	Ambient Temperature Sensor Open
<b>B1238</b>	Ambient Temperature Sensor Open (High)
<b>B1239</b>	Evap. Sensor
<b>B1240</b>	Evap. Sensor - Abnormal



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B1241</b>	Evap. Sensor - Low Input
<b>B1241</b>	Evaporator Sensor Short (Low)
<b>B1242</b>	Evap. Sensor - High Input
<b>B1242</b>	Evaporator Sensor Open (High)
<b>B1243</b>	Driver Air Mix Potentiometer.
<b>B1244</b>	Driver Air Mix Potentiometer - Abnormal
<b>B1245</b>	Driver Air Mix Feedback-Open
<b>B1245</b>	Air Mix Potentiometer Open (Low)-Driver
<b>B1246</b>	Driver Air Mix Feedback-Short
<b>B1246</b>	Air Mix Potentiometer Short (High)-Driver
<b>B1247</b>	Direction Potentiometer.
<b>B1248</b>	Direction Potentiometer.- Abnormal
<b>B1249</b>	Driver Direction Mode Selection Feedback-Open
<b>B1249</b>	Direction Potentiometer Open (Low)-Driver
<b>B1250</b>	Driver Direction Mode Selection Feedback-Short
<b>B1250</b>	Direction Mode Feedback Short (High)-Driver
<b>B1250</b>	Direction Potentiometer Short (High)-Driver
<b>B1251</b>	Pressure Sensor.#1
<b>B1252</b>	Pressure Sensor.#1-Abnormal
<b>B1253</b>	Pressure Sensor.#1-Low
<b>B1254</b>	Pressure Sensor.#1-High
<b>B1255</b>	Pressure Sensor.#2
<b>B1256</b>	Pressure Sensor.#2-Abnormal
<b>B1257</b>	Pressure Sensor.#2-Low
<b>B1257</b>	AQS Sensor Open
<b>B1258</b>	Pressure Sensor.#2-High
<b>B1258</b>	AQS Sensor Short
<b>B1259</b>	Pressure Sensor.#3
<b>B1259</b>	AQS Sensor Fault
<b>B1260</b>	Pressure Sensor.#3-Abnormal
<b>B1260</b>	Air Mix Potentiometer Open (Low)-Console
<b>B1261</b>	Pressure Sensor.#3-Low
<b>B1261</b>	Air Mix Potentiometer Short (High)-Console
<b>B1262</b>	Pressure Sensor.#3-High
<b>B1262</b>	Direction (Rear) Potentiometer Open (Low)
<b>B1263</b>	Pressure Sensor.#4
<b>B1263</b>	Direction Potentiometer Short (High)-Console
<b>B1264</b>	Pressure Sensor.#4-Abnormal.

Trouble code	Fault location
<b>B1264</b>	Direction Potentiometer Open (Low)-VENT
<b>B1265</b>	Pressure Sensor.#4-Low
<b>B1265</b>	Direction Potentiometer Short (High)-VENT
<b>B1266</b>	Pressure Sensor.#4-High
<b>B1266</b>	Direction Potentiometer Open (Low)-Floor
<b>B1267</b>	Direction Potentiometer Short (High)-Floor
<b>B1268</b>	Direction Potentiometer Open (Low)-Defog
<b>B1269</b>	Direction Potentiometer Short (High)-Defog
<b>B126A</b>	Console Duct Direction potentiometer open (Low)
<b>B126B</b>	Console Duct Direction potentiometer short (High)
<b>B126C</b>	Console Duct Direction Control Motor
<b>B1270</b>	Optical Sensor-1 Stuck High
<b>B1271</b>	Optical Sensor-1 Stuck Low
<b>B1272</b>	Optical Sensor-2 Stuck High
<b>B1273</b>	Optical Sensor-2 Stuck Low
<b>B1274</b>	Broken Cable
<b>B1275</b>	Air Mix Potentiometer-TEMP Open (Low)-Console
<b>B1276</b>	Air Mix Potentiometer-TEMP Short (High)-Console
<b>B1277</b>	Air Mix Potentiometer-TEMP A Open (Low)-Console
<b>B1278</b>	Air Mix Potentiometer-TEMP A Short (High)-Console
<b>B1279</b>	Air Mix Switch Potentiometer Open (Low)-Console
<b>B1280</b>	Air Mix Switch Potentiometer Short (High)-Console
<b>B1281</b>	Humidity Sensor Short (Low) - AUTO Defog
<b>B1282</b>	Humidity Sensor Open (High) - AUTO Defog
<b>B1283</b>	Direction Potentiometer Open (Low) - AUTO Defog
<b>B1284</b>	Direction Potentiometer Short (High) - Auto Defog
<b>B1285</b>	Direction Control Motor -AUTO Defog
<b>B1286</b>	Duct sensor short (Low) - Vent
<b>B1287</b>	Duct sensor open (High) - Vent
<b>B1288</b>	Duct sensor short (Low) - Floor
<b>B1289</b>	Duct sensor open (High) - Floor
<b>B128A</b>	Duct Sensor Short (Low) - Console
<b>B128B</b>	Duct Sensor Open (High) - Console
<b>B1290</b>	Duct Sensor Short (Low) - Vent Left
<b>B1291</b>	Duct Sensor Open (High) - Vent Left
<b>B1292</b>	Duct Sensor Short (Low) - Floor Left
<b>B1293</b>	Duct Sensor Open (High) - Floor Left
<b>B1294</b>	Duct Sensor Short (Low) - Vent Right

Trouble code	Fault location
<b>B1295</b>	Duct Sensor Open (High) - Vent Right
<b>B1296</b>	Duct Sensor Short (Low) - Floor Right
<b>B1297</b>	Duct Sensor Open (High) - Floor Right
<b>B1298</b>	Duct Sensor Short (Low) - PTC
<b>B1299</b>	Duct Sensor Open (High) - PTC
<b>B1300</b>	Steering Angle Signal Implausible
<b>B1301</b>	Steering Angle Signal Fault
<b>B1302</b>	Gearbox Signal Fault-CAN Signal
<b>B1302</b>	TGS Signal Fault
<b>B1303</b>	Accelerator pedal signal fault
<b>B1303</b>	Accelerator Pedal Position Signal Error
<b>B1304</b>	Engine state signal fault
<b>B1305</b>	Yaw Rate Sensor Signal Fault
<b>B1306</b>	Brake pedal signal fault
<b>B1307</b>	Air suspension ECU sensor signal invalid
<b>B1308</b>	Lamp Function Signal Fault
<b>B1319</b>	OCS Required Weight Check
<b>B1320</b>	WCS(Weight Classification System) communication line short to Ground
<b>B132000</b>	WCS(Weight Classification System) communication line short to Ground
<b>B1321</b>	OCS short to Battery or No Response
<b>B132100</b>	OCS short to Battery or No Response
<b>B1322</b>	WCS Sensor Defect
<b>B1322</b>	WCS ECU Defect
<b>B1322</b>	WCS(Weight Classification System) ECU Defect
<b>B132200</b>	WCS(Weight Classification System) ECU Defect
<b>B1323</b>	WCS Sensor Defect
<b>B1323</b>	OCS Sensor Defect
<b>B1323</b>	WCS(Weight Classification System)Sensor Mat Defect
<b>B132300</b>	WCS(Weight Classification System)Sensor Mat Defect
<b>B1324</b>	WCS Communication Error
<b>B1324</b>	WCS(Weight Classification System)Communication Error
<b>B132400</b>	WCS(Weight Classification System)Communication Error
<b>B1325</b>	WCS Wrong ID
<b>B1325</b>	WCS(Weight Classification System)Wrong ID
<b>B132500</b>	WCS(Weight Classification System)Wrong ID
<b>B1326</b>	FIS(Front Impact Sensor)-Driver Short to Ground
<b>B132600</b>	FIS(Front Impact Sensor)-Driver Short to Ground

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B1327</b>	FIS(Front Impact Sensor)-Driver Short to Battery
<b>B132700</b>	FIS(Front Impact Sensor)-Driver Short to Battery
<b>B1328</b>	FIS(Front Impact Sensor)-Driver Defect
<b>B132800</b>	FIS(Front Impact Sensor)-Driver Defect
<b>B1329</b>	FIS(Front Impact Sensor)-Driver Communication error
<b>B132900</b>	FIS(Front Impact Sensor)-Driver Communication error
<b>B1330</b>	FIS(Front Impact Sensor)-Driver Wrong ID
<b>B133000</b>	FIS(Front Impact Sensor)-Driver Wrong ID
<b>B1331</b>	FIS(Front Impact Sensor)-Passenger Short to Ground
<b>B133100</b>	FIS(Front Impact Sensor)-Passenger Short to Ground
<b>B1332</b>	FIS(Front Impact Sensor)-Passenger Short to Battery
<b>B133200</b>	FIS(Front Impact Sensor)-Passenger Short to Battery
<b>B1333</b>	FIS(Front Impact Sensor)-Passenger Defect
<b>B133300</b>	FIS(Front Impact Sensor)-Passenger Defect
<b>B1334</b>	FIS(Front Impact Sensor)-Passenger Communication error
<b>B133400</b>	FIS(Front Impact Sensor)-Passenger Communication error
<b>B1335</b>	FIS(Front Impact Sensor)-Passenger Wrong ID
<b>B133500</b>	FIS(Front Impact Sensor)-Passenger Wrong ID
<b>B1336</b>	FIS(Front Impact Sensor)-Center Short to Ground
<b>B133600</b>	FIS(Front Impact Sensor)-Center Short to Ground
<b>B1337</b>	FIS(Front Impact Sensor)-Center Short to Battery
<b>B133700</b>	FIS(Front Impact Sensor)-Center Short to Battery
<b>B1338</b>	FIS(Front Impact Sensor)-Center Defect
<b>B133800</b>	FIS(Front Impact Sensor)-Center Defect
<b>B1339</b>	FIS(Front Impact Sensor)-Center Communication error
<b>B133900</b>	FIS(Front Impact Sensor)-Center Communication error
<b>B1340</b>	FIS(Front Impact Sensor)-Center Wrong ID
<b>B134000</b>	FIS(Front Impact Sensor)-Center Wrong ID
<b>B1341</b>	Remote Crash Sensors Cross Coupling
<b>B134100</b>	Remote Crash Sensors Cross Coupling
<b>B1342</b>	Passive Sensors Cross Coupling
<b>B134200</b>	Passive Sensors Cross Coupling
<b>B1344</b>	ODS ECU Defect
<b>B1345</b>	Driver Inflator (FC#1)
<b>B1345</b>	Driver Airbag open
<b>B1345</b>	Driver Airbag Open
<b>B134500</b>	Driver Airbag open
<b>B1346</b>	Driver Air Bag(DAB) Resistance-High

Trouble code	Fault location
<b>B1346</b>	Driver Airbag Resistance too High (1st stage)
<b>B134600</b>	Driver Airbag Resistance too High (1st stage)
<b>B1347</b>	Driver Air Bag(DAB) Resistance-Low
<b>B1347</b>	Driver Airbag Resistance too Low (1st stage)
<b>B134700</b>	Driver Airbag Resistance too Low (1st stage)
<b>B1348</b>	Driver Air Bag(DAB) Short To Ground
<b>B1348</b>	Driver Airbag resistance circuit short to Ground (1st stage)
<b>B1348</b>	Driver Airbag Resistance Circuit Short to Ground (1st stage)
<b>B134800</b>	Driver Airbag resistance circuit short to Ground (1st stage)
<b>B1349</b>	Driver Air Bag(DAB) Short To Battery
<b>B1349</b>	Driver Airbag resistance circuit short to Battery (1st stage)
<b>B1349</b>	Driver Airbag Resistance Circuit Short to Battery (1st stage)
<b>B134900</b>	Driver Airbag resistance circuit short to Battery (1st stage)
<b>B1351</b>	Passenger Inflator (FC#2)
<b>B1351</b>	Passenger Airbag Open
<b>B135100</b>	Passenger Airbag Open
<b>B1352</b>	Passenger Air Bag(PAB) Resistance-High
<b>B1352</b>	Passenger Airbag Resistance too High (1st Stage)
<b>B135200</b>	Passenger Airbag Resistance too High (1st Stage)
<b>B1353</b>	Passenger Air Bag(PAB) Resistance-Low
<b>B1353</b>	Passenger Airbag Resistance too Low (1st stage)
<b>B135300</b>	Passenger Airbag Resistance too Low (1st stage)
<b>B1354</b>	Passenger Air Bag(PAB) Short To Ground
<b>B1354</b>	Passenger Airbag Resistance Circuit Short to Ground (1st Stage)
<b>B135400</b>	Passenger Airbag Resistance Circuit Short to Ground (1st Stage)
<b>B1355</b>	Passenger Air Bag(PAB) Short To Battery
<b>B1355</b>	Passenger Airbag Resistance Circuit Short to Battery (1st Stage)
<b>B135500</b>	Passenger Airbag Resistance Circuit Short to Battery (1st Stage)
<b>B1356</b>	Rear airbag resistance too Low
<b>B135600</b>	Rear airbag resistance too Low
<b>B1357</b>	Rear airbag resistance too High
<b>B135700</b>	Rear airbag resistance too High
<b>B1358</b>	Rear airbag resistance circuit short to Ground
<b>B135800</b>	Rear airbag resistance circuit short to Ground
<b>B1359</b>	Rear airbag resistance circuit short to Battery

Trouble code	Fault location
<b>B135900</b>	Rear airbag resistance circuit short to Battery
<b>B135A</b>	Rear Center Airbag Resistance too High
<b>B135A00</b>	Rear Center Airbag Resistance too High
<b>B135B</b>	Rear Center Airbag Resistance too Low
<b>B135B00</b>	Rear Center Airbag Resistance too Low
<b>B135C</b>	Rear Center Airbag Resistance Circuit Short to Ground
<b>B135C00</b>	Rear Center Airbag Resistance Circuit Short to Ground
<b>B135D</b>	Rear Center Airbag Resistance Circuit Short to Battery
<b>B135D00</b>	Rear Center Airbag Resistance Circuit Short to Battery
<b>B1360</b>	Firing Circuit #3
<b>B1360</b>	Pretensioner front-Driver Open
<b>B136000</b>	Pretensioner front-Driver Open
<b>B1361</b>	Driver Belt Pretensioner (DBPT) Resistance-High
<b>B1361</b>	Pretensioner Front-Driver Resistance too High
<b>B136100</b>	Pretensioner Front-Driver Resistance too High
<b>B1362</b>	Driver Belt Pretensioner (DBPT) Resistance-Low
<b>B1362</b>	Pretensioner Front-Driver Resistance too Low
<b>B136200</b>	Pretensioner Front-Driver Resistance too Low
<b>B1363</b>	Driver Belt Pretensioner (DBPT) Short To Ground
<b>B1363</b>	Pretensioner front-Driver resistance circuit short to Ground
<b>B1363</b>	Pretensioner Front-Driver Resistance Circuit Short to Ground
<b>B136300</b>	Pretensioner front-Driver resistance circuit short to Ground
<b>B1364</b>	Driver Belt Pretensioner (DBPT) Short To Battery
<b>B1364</b>	Pretensioner front-Driver resistance circuit short to Battery
<b>B1364</b>	Pretensioner Front-Driver Resistance Circuit Short to Battery
<b>B1364</b>	Inflatable Curtain Airbag Driver Resistance Circuit Short to Battery
<b>B136400</b>	Pretensioner front-Driver resistance circuit short to Battery
<b>B1366</b>	Firing Circuit #4
<b>B1366</b>	Pretensioner Front-Passenger Open
<b>B136600</b>	Pretensioner Front-Passenger Open
<b>B1367</b>	Passenger Belt Pretensioner (PBPT) Resistance-High
<b>B1367</b>	Pretensioner Front-Passenger Resistance too High
<b>B136700</b>	Pretensioner Front-Passenger Resistance too High
<b>B1368</b>	Passenger Belt Pretensioner (PBPT) Resistance-Low
<b>B1368</b>	Pretensioner Front-Passenger Resistance too Low
<b>B136800</b>	Pretensioner Front-Passenger Resistance too Low
<b>B1369</b>	Passenger Belt Pretensioner (PBPT) Short To Ground

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B1369</b>	Pretensioner Front-Passenger Resistance Circuit Short to Ground
<b>B136900</b>	Pretensioner Front-Passenger Resistance Circuit Short to Ground
<b>B136A</b>	Pretensioner Rear-Driver Resistance too High
<b>B136A00</b>	Pretensioner Rear-Driver Resistance too High
<b>B136B</b>	Pretensioner Rear-Driver too Low
<b>B136B00</b>	Pretensioner Rear-Driver too Low
<b>B136C</b>	Pretensioner Rear-Driver Circuit Short to Ground
<b>B136C00</b>	Pretensioner Rear-Driver Circuit Short to Ground
<b>B136D</b>	Pretensioner Rear-Driver Circuit Short to Battery
<b>B136D00</b>	Pretensioner Rear-Driver Circuit Short to Battery
<b>B136E</b>	Pretensioner Rear-Passenger Resistance too High
<b>B136E00</b>	Pretensioner Rear-Passenger Resistance too High
<b>B136F</b>	Pretensioner Rear-Passenger too Low
<b>B136F00</b>	Pretensioner Rear-Passenger too Low
<b>B1370</b>	Passenger Belt Pretensioner (PBPT) Short To Battery
<b>B1370</b>	Pretensioner Front-Passenger Resistance Circuit Short to Battery
<b>B137000</b>	Pretensioner Front-Passenger Resistance Circuit Short to Battery
<b>B1371</b>	Seat Track Position Sensor-Driver Instability
<b>B1371</b>	STPS(Seat Track Position Sensor)-Driver instability
<b>B137100</b>	STPS(Seat Track Position Sensor)-Driver instability
<b>B1372</b>	Fire Circuit Driver Air Bag(DAB)-Passenger Air Bag(PAB) Conn.
<b>B1372</b>	Cross coupling
<b>B1372</b>	STPS(Seat Track Position Sensor)-Passenger Instability
<b>B137200</b>	STPS(Seat Track Position Sensor)-Passenger Instability
<b>B1373</b>	Fire Circuit Driver Air Bag(DAB)- Driver Side Air Bag(DSAB) Conn.
<b>B1373</b>	Passenger airbag active vent resistance too high
<b>B137300</b>	Passenger airbag active vent resistance too high
<b>B1374</b>	Fire Circuit Driver Air Bag(DAB)- Passenger Side Air Bag(PSAB) Conn.
<b>B1374</b>	Passenger airbag active vent resistance too low
<b>B137400</b>	Passenger airbag active vent resistance too low
<b>B1375</b>	Fire Circuit Passenger Air Bag(PAB)- Driver Side Air Bag(DSAB) Conn
<b>B1375</b>	Passenger airbag active vent resistance circuit to Ground
<b>B137500</b>	Passenger airbag active vent resistance circuit to Ground

Trouble code	Fault location
<b>B1376</b>	Fire Circuit Passenger Air Bag(PAB)- Passenger Side Air Bag(PSAB) Conn.
<b>B1376</b>	Passenger airbag active vent resistance circuit to Battery
<b>B137600</b>	Passenger airbag active vent resistance circuit to Battery
<b>B1377</b>	Fire Circuit Driver Side Air Bag(DSAB) - Passenger Side Air Bag(PSAB) Conn.
<b>B1377</b>	Side Airbag Front-Driver open
<b>B1377</b>	Side Airbag Front-Driver Open
<b>B137700</b>	Side Airbag Front-Driver open
<b>B1378</b>	Driver Side Air Bag(DSAB) Resistance-High
<b>B1378</b>	Side Airbag Front-Driver Resistance too High
<b>B137800</b>	Side Airbag Front-Driver Resistance too High
<b>B1379</b>	Driver Side Air Bag(DSAB) Resistance-Low
<b>B1379</b>	Side Airbag Front-Driver Resistance too Low
<b>B137900</b>	Side Airbag Front-Driver Resistance too Low
<b>B137A</b>	Pretensioner Rear-Passenger Circuit Short to Ground
<b>B137A00</b>	Pretensioner Rear-Passenger Circuit Short to Ground
<b>B137B</b>	Pretensioner Rear-Passenger Circuit Short to Battery
<b>B137B00</b>	Pretensioner Rear-Passenger Circuit Short to Battery
<b>B1380</b>	Driver Side Air Bag(DSAB) Short To Ground
<b>B1380</b>	Side Airbag Front-Driver Resistance Circuit Short to Ground
<b>B138000</b>	Side Airbag Front-Driver Resistance Circuit Short to Ground
<b>B1381</b>	Driver Side Air Bag(DSAB) Short To Battery
<b>B1381</b>	Side Airbag Front-Driver Resistance Circuit Short to Battery
<b>B138100</b>	Side Airbag Front-Driver Resistance Circuit Short to Battery
<b>B1382</b>	Passenger Side Air Bag(PSAB) Resistance-High
<b>B1382</b>	Side Airbag Front-Passenger Resistance too High
<b>B138200</b>	Side Airbag Front-Passenger Resistance too High
<b>B1383</b>	Passenger Side Air Bag(PSAB) Resistance-Low
<b>B1383</b>	Side Airbag Front-Passenger Resistance too Low
<b>B138300</b>	Side Airbag Front-Passenger Resistance too Low
<b>B1384</b>	Passenger Side Air Bag(PSAB) Short To Ground
<b>B1384</b>	Side Airbag Front-Passenger Resistance Circuit Short to Ground
<b>B138400</b>	Side Airbag Front-Passenger Resistance Circuit Short to Ground
<b>B1385</b>	Passenger Side Air Bag(PSAB) Short To Battery
<b>B1385</b>	Side Airbag Front-Passenger Resistance Circuit Short to Battery

Trouble code	Fault location
<b>B138500</b>	Side Airbag Front-Passenger Resistance Circuit Short to Battery
<b>B1386</b>	Fire Circuit Driver Air Bag(DAB)- Driver Belt Pretensioner(DBPT) Conn.
<b>B1386</b>	Side Airbag Front-Passenger open
<b>B138600</b>	Side Airbag Front-Passenger open
<b>B1387</b>	Fire Circuit Driver Air Bag(DAB)-Passenger Belt Pretensioner(PBPT) Conn.
<b>B1387</b>	STPS(Seat Track Position Sensor)-Driver Short or Short to Ground
<b>B138700</b>	STPS(Seat Track Position Sensor)-Driver Short or Short to Ground
<b>B1388</b>	Fire Circuit Passenger Air Bag(PAB)-Driver Belt Pretensioner(DBPT) Conn.
<b>B1388</b>	STPS(Seat Track Position Sensor)-Driver Open or Short to Battery
<b>B138800</b>	STPS(Seat Track Position Sensor)-Driver Open or Short to Battery
<b>B1389</b>	Fire Circuit Passenger Air Bag(PAB)-Passenger Belt Pretensioner(PBPT) Conn.
<b>B1389</b>	STPS(Seat Track Position Sensor)-Driver Defect
<b>B138900</b>	STPS(Seat Track Position Sensor)-Driver Defect
<b>B1390</b>	Fire Circuit Driver Side Air Bag(DSAB)- Driver Belt Pretensioner(DBPT) Conn.
<b>B1390</b>	STPS(Seat Track Position Sensor)-Passenger Short or Short to Ground
<b>B139000</b>	STPS(Seat Track Position Sensor)-Passenger Short or Short to Ground
<b>B1391</b>	Fire Circuit Driver Side Air Bag(DSAB)-Passenger Belt Pretensioner(PBPT) Conn.
<b>B1391</b>	STPS(Seat Track Position Sensor)-Passenger Open or Short to Battery
<b>B139100</b>	STPS(Seat Track Position Sensor)-Passenger Open or Short to Battery
<b>B1392</b>	Fire Circuit Passenger Side Air Bag(PSAB)- Driver Belt Pretensioner(DBPT) Conn.
<b>B1392</b>	STPS(Seat Track Position Sensor)-Passenger Defect
<b>B139200</b>	STPS(Seat Track Position Sensor)-Passenger Defect
<b>B1393</b>	Fire Circuit Passenger Side Air Bag(PSAB)-Passenger Belt Pretensioner(PBPT) Conn.
<b>B1393</b>	Empty seat Re-zero failure
<b>B139300</b>	Empty seat Re-zero failure
<b>B1394</b>	Fire Circuit Dsbp-Passenger Belt Pretensioner (PBPT) Conn.



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B1394</b>	Clear all existing PODS faults failure
<b>B139400</b>	Clear all existing PODS faults failure
<b>B1395</b>	Firing Loops Interconnect
<b>B1395</b>	Cross coupling
<b>B1395</b>	Firing Loops Interconnection Fault
<b>B1395</b>	External Device Cross-Couplings
<b>B139500</b>	Cross coupling
<b>B1396</b>	STPS(Seat Track Position Sensor)-Driver Open or Short to Ground
<b>B139600</b>	STPS(Seat Track Position Sensor)-Driver Open or Short to Ground
<b>B1397</b>	STPS(Seat Track Position Sensor)-Driver Short or Short to Battery
<b>B139700</b>	STPS(Seat Track Position Sensor)-Driver Short or Short to Battery
<b>B1398</b>	STPS(Seat Track Position Sensor)-Passenger Open or Short to Ground
<b>B139800</b>	STPS(Seat Track Position Sensor)-Passenger Open or Short to Ground
<b>B1399</b>	STPS(Seat Track Position Sensor)-Passenger Short or Short to Battery
<b>B139900</b>	STPS(Seat Track Position Sensor)-Passenger Short or Short to Battery
<b>B1400</b>	LH Satellite Sensor
<b>B1400</b>	SIS(Side Impact Sensor) Front-Driver defect
<b>B1400</b>	SIS(Side Impact Sensor) Front-Driver Defect
<b>B140000</b>	SIS(Side Impact Sensor) Front-Driver defect
<b>B1401</b>	LH Satellite Short To GND
<b>B1401</b>	SIS(Side Impact Sensor)Front-Driver Circuit Short to Ground
<b>B1401</b>	Inflatable Curtain Airbag Driver Resistance Circuit Short to Ground
<b>B140100</b>	SIS(Side Impact Sensor)Front-Driver Circuit Short to Ground
<b>B1402</b>	LH Satellite Short To Battery
<b>B1402</b>	SIS(Side Impact Sensor)Front-Driver Circuit Short to Battery
<b>B1402</b>	Inflatable Curtain Airbag Driver Resistance Circuit Short to Battery
<b>B140200</b>	SIS(Side Impact Sensor)Front-Driver Circuit Short to Battery
<b>B1403</b>	RH Satellite Sensor
<b>B1403</b>	SIS(Side Impact Sensor)Front-Passenger Defect
<b>B140300</b>	SIS(Side Impact Sensor)Front-Passenger Defect
<b>B1404</b>	RH Satellite Short To GND

Trouble code	Fault location
<b>B1404</b>	SIS(Side Impact Sensor)Front-Passenger Circuit Short to Ground
<b>B1404</b>	Inflatable Curtain Airbag Passenger Resistance Circuit Short to Ground
<b>B140400</b>	SIS(Side Impact Sensor)Front-Passenger Circuit Short to Ground
<b>B1405</b>	RH Satellite Short To Battery
<b>B1405</b>	SIS(Side Impact Sensor)Front-Passenger Circuit Short to Battery
<b>B1405</b>	Inflatable Curtain Airbag Passenger Resistance Circuit Short to Battery
<b>B140500</b>	SIS(Side Impact Sensor)Front-Passenger Circuit Short to Battery
<b>B1406</b>	Passenger Presence Detection(PPD)
<b>B1406</b>	Passenger Presence Detection Front-Passenger Defect
<b>B1406</b>	PPD(Passenger Presence Detection system)front-Passenger defect
<b>B140600</b>	PPD(Passenger Presence Detection system)front-Passenger defect
<b>B1407</b>	Passenger Presence Detection(PPD) Communication. Error
<b>B1407</b>	Passenger Presence Detection Front-Passenger Communication Error
<b>B1407</b>	PPD(Passenger Presence Detection system)front-Passenger communication error
<b>B140700</b>	PPD(Passenger Presence Detection system)front-Passenger communication error
<b>B1408</b>	LH Satellite Communication. Error
<b>B1409</b>	RH Satellite Communication. Error
<b>B1409</b>	SIS(Side Impact Sensor) Front-Driver Communication Error
<b>B1409</b>	SIS(Side Impact Sensor) Front-Driver Communication Error
<b>B1409</b>	SIS(Side Impact Sensor) Front-Passenger Communication Error
<b>B140900</b>	SIS(Side Impact Sensor) Front-Driver Communication Error
<b>B1410</b>	Humidity Sensor-Short
<b>B1410</b>	SIS(Side Impact Sensor) Front-Passenger Communication Error
<b>B1410</b>	SIS(Side Impact Sensor) Front-Passenger Communication Error
<b>B141000</b>	SIS(Side Impact Sensor) Front-Passenger Communication Error
<b>B1411</b>	Heater Water Temperature - Open
<b>B1412</b>	Heater Water Temperature - Short
<b>B1412</b>	SIS(Side Impact Sensor)Rear-Driver Communication error

Trouble code	Fault location
<b>B141200</b>	SIS(Side Impact Sensor)Rear-Driver Communication error
<b>B1413</b>	PS Air Mix Feedback-Open
<b>B1413</b>	SIS(Side Impact Sensor)Rear-Passenger Communication error
<b>B141300</b>	SIS(Side Impact Sensor)Rear-Passenger Communication error
<b>B1414</b>	PS Air Mix Feedback-Short
<b>B1414</b>	SIS(Side Impact Sensor) Front-Driver Wrong ID
<b>B1414</b>	SIS(Side Impact Sensor) Front-Driver Wrong ID
<b>B141400</b>	SIS(Side Impact Sensor) Front-Driver Wrong ID
<b>B1415</b>	PS Mode Select Feedback-Open
<b>B1415</b>	SIS(Side Impact Sensor) Front-Passenger Wrong ID
<b>B1415</b>	SIS(Side Impact Sensor) Front-Passenger Wrong ID
<b>B141500</b>	SIS(Side Impact Sensor) Front-Passenger Wrong ID
<b>B1416</b>	PS Mode Select Feedback-Short
<b>B1416</b>	SIS(Side Impact Sensor)Rear-Driver Wrong ID
<b>B141600</b>	SIS(Side Impact Sensor)Rear-Driver Wrong ID
<b>B1417</b>	Humidity Sensor-Open
<b>B1417</b>	SIS(Side Impact Sensor)Rear-Passenger Wrong ID
<b>B141700</b>	SIS(Side Impact Sensor)Rear-Passenger Wrong ID
<b>B1418</b>	SIS(Side Impact Sensor)Rear-Driver Defect
<b>B141800</b>	SIS(Side Impact Sensor)Rear-Driver Defect
<b>B1419</b>	SIS(Side Impact Sensor)Rear-Passenger Defect
<b>B141900</b>	SIS(Side Impact Sensor)Rear-Passenger Defect
<b>B1421</b>	Rear airbag Driver resistance too High
<b>B142100</b>	Rear airbag Driver resistance too High
<b>B1422</b>	Rear airbag Driver resistance too Low
<b>B142200</b>	Rear airbag Driver resistance too Low
<b>B1423</b>	Rear airbag Driver circuit short to Ground
<b>B142300</b>	Rear airbag Driver circuit short to Ground
<b>B1424</b>	Rear airbag Driver circuit short to Battery
<b>B142400</b>	Rear airbag Driver circuit short to Battery
<b>B1425</b>	Rear airbag Passenger resistance too High
<b>B142500</b>	Rear airbag Passenger resistance too High
<b>B1426</b>	Rear airbag Passenger resistance too Low
<b>B142600</b>	Rear airbag Passenger resistance too Low
<b>B1427</b>	Rear airbag Passenger circuit short to Ground
<b>B142700</b>	Rear airbag Passenger circuit short to Ground
<b>B1428</b>	Rear airbag Passenger circuit short to Battery

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B142800</b>	Rear airbag Passenger circuit short to Battery
<b>B1429</b>	Driver Side Air Bag(DSAB) Resistance-High
<b>B1429</b>	Side Airbag Rear-Driver Resistance too High
<b>B142900</b>	Side Airbag Rear-Driver Resistance too High
<b>B1430</b>	Driver Side Air Bag(DSAB) Resistance-Low
<b>B1430</b>	Side Airbag Rear-Driver Resistance too Low
<b>B143000</b>	Side Airbag Rear-Driver Resistance too Low
<b>B1431</b>	Driver Side Air Bag(DSAB) Short To GND
<b>B1431</b>	Side Airbag Rear-Driver Resistance Circuit Short to Ground
<b>B143100</b>	Side Airbag Rear-Driver Resistance Circuit Short to Ground
<b>B1432</b>	Driver Side Air Bag(DSAB) Short To BATT
<b>B1432</b>	Side Airbag Rear-Driver Resistance Circuit Short to Battery
<b>B143200</b>	Side Airbag Rear-Driver Resistance Circuit Short to Battery
<b>B1433</b>	Passenger Side Air Bag(PSAB) Resistance-High
<b>B1433</b>	Side Airbag Rear-Passenger Resistance too High
<b>B143300</b>	Side Airbag Rear-Passenger Resistance too High
<b>B1434</b>	Passenger Side Air Bag(PSAB) Resistance-Low
<b>B1434</b>	Side Airbag Rear-Passenger Resistance too Low
<b>B143400</b>	Side Airbag Rear-Passenger Resistance too Low
<b>B1435</b>	Passenger Side Air Bag(PSAB) Short To GND
<b>B1435</b>	Side Airbag Rear-Passenger Resistance Circuit Short to Ground
<b>B143500</b>	Side Airbag Rear-Passenger Resistance Circuit Short to Ground
<b>B1436</b>	Passenger Side Air Bag(PSAB) Short To BATT
<b>B1436</b>	Side Airbag Rear-Passenger Resistance Circuit Short to Battery
<b>B143600</b>	Side Airbag Rear-Passenger Resistance Circuit Short to Battery
<b>B1440</b>	OC(Occupant Classification)Communication Line Short to Ground
<b>B144000</b>	OC(Occupant Classification)Communication Line Short to Ground
<b>B1441</b>	OC(Occupant Classification)-Driver Short to Battery or No Response
<b>B144100</b>	OC(Occupant Classification)-Driver Short to Battery or No Response
<b>B1442</b>	OC(Occupant Classification)-Driver ECU Defect
<b>B144200</b>	OC(Occupant Classification)-Driver ECU Defect
<b>B1443</b>	OC(Occupant Classification)-Driver Sensor Mat Defect
<b>B144300</b>	OC(Occupant Classification)-Driver Sensor Mat Defect

Trouble code	Fault location
<b>B1444</b>	OC(Occupant Classification)-Driver Communication Error
<b>B144400</b>	OC(Occupant Classification)-Driver Communication Error
<b>B1445</b>	OC(Occupant Classification)-Driver Wrong ID
<b>B144500</b>	OC(Occupant Classification)-Driver Wrong ID
<b>B1446</b>	OCS(Occupant Classification System) short to Battery or No Response
<b>B144600</b>	OCS(Occupant Classification System) short to Battery or No Response
<b>B1447</b>	OCS(Occupant Classification System) Defect
<b>B144700</b>	OCS(Occupant Classification System) Defect
<b>B1448</b>	OCS(Occupant Classification System) Mat Defect
<b>B144800</b>	OCS(Occupant Classification System) Mat Defect
<b>B1449</b>	OCS(Occupant Classification System) Communication Error
<b>B144900</b>	OCS(Occupant Classification System) Communication Error
<b>B1450</b>	OCS(Occupant Classification System) Wrong ID
<b>B145000</b>	OCS(Occupant Classification System) Wrong ID
<b>B1451</b>	SIS(Side Impact Sensor)rear-Driver Circuit Short to Ground
<b>B145100</b>	SIS(Side Impact Sensor)rear-Driver Circuit Short to Ground
<b>B1452</b>	SIS(Side Impact Sensor) Rear-Driver Circuit Short to Battery
<b>B1452</b>	SIS(Side Impact Sensor)Rear-Driver Circuit Short to Battery
<b>B145200</b>	SIS(Side Impact Sensor)Rear-Driver Circuit Short to Battery
<b>B1454</b>	SIS(Side Impact Sensor)Rear-Passenger Circuit Short to Ground
<b>B145400</b>	SIS(Side Impact Sensor)Rear-Passenger Circuit Short to Ground
<b>B1455</b>	SIS(Side Impact Sensor)Rear-Passenger Circuit Short to Battery
<b>B145500</b>	SIS(Side Impact Sensor)Rear-Passenger Circuit Short to Battery
<b>B1461</b>	PPD(Passenger Presence Detection) Sensor Malfunction
<b>B1461</b>	Front PPD(Passenger Presence Detection system)short
<b>B146100</b>	Front PPD(Passenger Presence Detection system)short
<b>B1462</b>	PPD(Passenger Presence Detection) Sensor Front-Open
<b>B1462</b>	Front PPD(Passenger Presence Detection system)open
<b>B146200</b>	Front PPD(Passenger Presence Detection system)open
<b>B1463</b>	PPD(Passenger Presence Detection) Sensor Front-Short to Ground
<b>B1463</b>	PPD(Passenger Presence Detection) Sensor Front-Short to Ground
<b>B1463</b>	Front PPD(Passenger Presence Detection system)short to Ground

Trouble code	Fault location
<b>B146300</b>	Front PPD(Passenger Presence Detection system)short to Ground
<b>B1464</b>	PPD(Passenger Presence Detection) Sensor Front-Short to Battery
<b>B1464</b>	PPD(Passenger Presence Detection) Sensor Front-Short to Battery
<b>B1464</b>	Front PPD(Passenger Presence Detection system)short to Battery
<b>B146400</b>	Front PPD(Passenger Presence Detection system)short to Battery
<b>B1465</b>	PPD(Passenger Presence Detection system)rear-Driver short
<b>B146500</b>	PPD(Passenger Presence Detection system)rear-Driver short
<b>B1466</b>	PPD(Passenger Presence Detection system)rear-Driver open
<b>B146600</b>	PPD(Passenger Presence Detection system)rear-Driver open
<b>B1467</b>	PPD(Passenger Presence Detection system)rear-Driver short to Ground
<b>B146700</b>	PPD(Passenger Presence Detection system)rear-Driver short to Ground
<b>B1468</b>	PPD(Passenger Presence Detection system)rear-Driver short to Battery
<b>B146800</b>	PPD(Passenger Presence Detection system)rear-Driver short to Battery
<b>B1469</b>	PPD(Passenger Presence Detection system)rear-Passenger short
<b>B146900</b>	PPD(Passenger Presence Detection system)rear-Passenger short
<b>B1470</b>	PPD(Passenger Presence Detection system)rear-Passenger open
<b>B147000</b>	PPD(Passenger Presence Detection system)rear-Passenger open
<b>B1471</b>	PPD(Passenger Presence Detection system)rear-Passenger short to Ground
<b>B147100</b>	PPD(Passenger Presence Detection system)rear-Passenger short to Ground
<b>B1472</b>	PPD(Passenger Presence Detection system)rear-Passenger short to Battery
<b>B147200</b>	PPD(Passenger Presence Detection system)rear-Passenger short to Battery
<b>B1473</b>	Driver Curtain Resistance.-High
<b>B1473</b>	Inflatable Curtain Airbag Driver Resistance too High
<b>B147300</b>	Inflatable Curtain Airbag Driver Resistance too High
<b>B1474</b>	Driver Curtain Resistance.-Low
<b>B1474</b>	Inflatable Curtain Airbag Driver Resistance too Low

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B147400</b>	Inflatable Curtain Airbag Driver Resistance too Low
<b>B1475</b>	Driver Curtain Short To Ground
<b>B1475</b>	Inflatable Curtain Airbag Driver Resistance Circuit Short to Ground
<b>B147500</b>	Inflatable Curtain Airbag Driver Resistance Circuit Short to Ground
<b>B1476</b>	Driver Curtain Short To Battery
<b>B1476</b>	Inflatable Curtain Airbag Driver Resistance Circuit Short to Battery
<b>B1476</b>	Inflatable Curtain Airbag Front-Driver Resistance Circuit Short to Battery
<b>B147600</b>	Inflatable Curtain Airbag Driver Resistance Circuit Short to Battery
<b>B1477</b>	Passenger Curtain Resistance.-High
<b>B1477</b>	Inflatable Curtain Airbag Passenger Resistance too High
<b>B147700</b>	Inflatable Curtain Airbag Passenger Resistance too High
<b>B1478</b>	Passenger Curtain Resistance.-Low
<b>B1478</b>	Inflatable Curtain Airbag Passenger Resistance too Low
<b>B147800</b>	Inflatable Curtain Airbag Passenger Resistance too Low
<b>B1479</b>	Passenger Curtain Short To Ground
<b>B1479</b>	Inflatable Curtain Airbag Passenger Resistance Circuit Short to Ground
<b>B147900</b>	Inflatable Curtain Airbag Passenger Resistance Circuit Short to Ground
<b>B1480</b>	Passenger Curtain Short To Battery
<b>B1480</b>	Inflatable Curtain Airbag Passenger Resistance Circuit Short to Battery
<b>B148000</b>	Inflatable Curtain Airbag Passenger Resistance Circuit Short to Battery
<b>B1481</b>	Driver Air Bag(DAB) Resistance-High(2nd)
<b>B1481</b>	Driver Airbag Resistance too High(2nd stage)
<b>B148100</b>	Driver Airbag Resistance too High(2nd stage)
<b>B1482</b>	Driver Air Bag(DAB) Resistance-Low(2nd)
<b>B1482</b>	Driver Airbag Resistance too Low(2nd stage)
<b>B148200</b>	Driver Airbag Resistance too Low(2nd stage)
<b>B1483</b>	Driver Air Bag(DAB) Short To Ground(2nd)
<b>B1483</b>	Driver Airbag Resistance Circuit Short to Ground(2nd stage)
<b>B1483</b>	Passenger Airbag Resistance Circuit Short to Ground(2nd stage)
<b>B148300</b>	Driver Airbag Resistance Circuit Short to Ground(2nd stage)
<b>B1484</b>	Driver Air Bag(DAB) Short To Battery(2nd)

Trouble code	Fault location
<b>B1484</b>	Driver Airbag Resistance Circuit Short to Battery(2nd stage)
<b>B1484</b>	Passenger Airbag Resistance Circuit Short to Ground(2nd stage)
<b>B148400</b>	Driver Airbag Resistance Circuit Short to Battery(2nd stage)
<b>B1485</b>	Passenger Airbag Resistance too High (2nd stage)
<b>B1485</b>	Passenger Airbag Resistance too High(2nd stage)
<b>B148500</b>	Passenger Airbag Resistance too High(2nd stage)
<b>B1486</b>	Passenger Airbag Resistance too Low (2nd stage)
<b>B1486</b>	Passenger Airbag Resistance too Low(2nd stage)
<b>B148600</b>	Passenger Airbag Resistance too Low(2nd stage)
<b>B1487</b>	Passenger Airbag Resistance Circuit Short to Ground (2nd stage)
<b>B1487</b>	Passenger Airbag Resistance Circuit Short to Ground(2nd stage)
<b>B148700</b>	Passenger Airbag Resistance Circuit Short to Ground(2nd stage)
<b>B1488</b>	Passenger Airbag Resistance Circuit Short to Battery (2nd stage)
<b>B1488</b>	Passenger Airbag Resistance Circuit Short to Battery(2nd stage)
<b>B148800</b>	Passenger Airbag Resistance Circuit Short to Battery(2nd stage)
<b>B1489</b>	PODS(Passenger Occupant Detecting System) ECU Defect
<b>B148900</b>	PODS(Passenger Occupant Detecting System) ECU Defect
<b>B1490</b>	OCS(Occupant Classification System) Defect
<b>B149000</b>	OCS(Occupant Classification System) Defect
<b>B1491</b>	Driver Early Crash Sen. Defect
<b>B1491</b>	FIS(Front Impact Sensor)-Driver Defect
<b>B1491</b>	PODS(Passenger Occupant Detecting System)ECU supply voltage too Low
<b>B149100</b>	PODS(Passenger Occupant Detecting System)ECU supply voltage too Low
<b>B1492</b>	Driver Early Crash Sensor Communication Error
<b>B1492</b>	FIS(Front Impact Sensor)-Driver Communication error
<b>B1492</b>	PODS(Passenger Occupant Detecting System)short to Battery
<b>B149200</b>	PODS(Passenger Occupant Detecting System)short to Battery
<b>B1493</b>	Passenger Early Crash Sensor Defect
<b>B1493</b>	FIS(Front Impact Sensor)-Passenger Defect
<b>B1493</b>	OCS(Occupant Classification System) Communication error
<b>B1493</b>	ACU Communication error
<b>B149300</b>	OCS(Occupant Classification System) Communication error

Trouble code	Fault location
<b>B1494</b>	Driver Early Crash Sensor Communication Error
<b>B1494</b>	OCS(Occupant Classification System) Wrong ID
<b>B149400</b>	OCS(Occupant Classification System) Wrong ID
<b>B1495</b>	BTS(Belt-Tension Sensor) Defect
<b>B149500</b>	BTS(Belt-Tension Sensor) Defect
<b>B1496</b>	PODS(Passenger Occupant Detecting System) Not Calibration
<b>B1496</b>	OCS Not calibrated
<b>B149600</b>	OCS Not calibrated
<b>B1497</b>	CO2 Sensor Short (Low)
<b>B1498</b>	CO2 Sensor Open (High)
<b>B1500</b>	Air Conditioning(A/C)Switch
<b>B1501</b>	Pressure Switch
<b>B1502</b>	Low Pressure Switch
<b>B1503</b>	High Pressure Switch
<b>B1504</b>	Idle Switch
<b>B1505</b>	Door Switch
<b>B1506</b>	Water Temperature Switch
<b>B1507</b>	Oil Temperature Switch
<b>B1508</b>	Crash Switch
<b>B1509</b>	Inflator Switch
<b>B1509</b>	Push Switch Error
<b>B1510</b>	AFLS switch/button fault
<b>B1511</b>	Driver Belt Switch-Open/Short To Battery
<b>B1511</b>	Buckle Switch Driver open or short to Battery
<b>B1511</b>	Buckle Switch Driver Open or Short to Battery
<b>B1511</b>	Buckle Switch Driver Short or Short to Battery
<b>B151100</b>	Buckle Switch Driver open or short to Battery
<b>B1512</b>	Driver Belt Switch-Short To Ground
<b>B1512</b>	Buckle Switch Driver short or short to Ground
<b>B1512</b>	Buckle Switch Driver Short or Short to Ground
<b>B151200</b>	Buckle Switch Driver short or short to Ground
<b>B1513</b>	Passenger Belt Switch-Open/Short To Battery
<b>B1513</b>	Buckle Switch Passenger open or short to Battery
<b>B1513</b>	Buckle Switch Passenger Open or Short to Battery
<b>B151300</b>	Buckle Switch Passenger open or short to Battery
<b>B1514</b>	Passenger Belt Switch-Short To Ground
<b>B1514</b>	Buckle Switch Passenger short or short to Ground
<b>B1514</b>	Buckle Switch Passenger Short or Short to Ground



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B151400</b>	Buckle Switch Passenger short or short to Ground
<b>B1515</b>	Driver Belt Switch Defect
<b>B1515</b>	Buckle Switch Driver Defect
<b>B151500</b>	Buckle Switch Driver Defect
<b>B1516</b>	Passenger Belt Switch Defect
<b>B1516</b>	Buckle Switch Passenger Defect
<b>B151600</b>	Buckle Switch Passenger Defect
<b>B1517</b>	Buckle Switch Driver Instability
<b>B151700</b>	Buckle Switch Driver Instability
<b>B1518</b>	Passenger Belt Switch Instability
<b>B1518</b>	Buckle Switch Passenger instability
<b>B151800</b>	Buckle Switch Passenger instability
<b>B1521</b>	Buckle Switch Driver Short or Short to Battery
<b>B152100</b>	Buckle Switch Driver Short or Short to Battery
<b>B1522</b>	Buckle Switch Driver Open or Short to Ground
<b>B152200</b>	Buckle Switch Driver Open or Short to Ground
<b>B1523</b>	Buckle Switch Passenger Open or Short to Battery
<b>B1523</b>	Buckle Switch Passenger short or short to Battery
<b>B152300</b>	Buckle Switch Passenger short or short to Battery
<b>B1524</b>	Buckle Switch Passenger Open or Short to Ground
<b>B152400</b>	Buckle Switch Passenger Open or Short to Ground
<b>B1527</b>	Passenger airbag On/Off switch open or short to Battery
<b>B152700</b>	Passenger airbag On/Off switch open or short to Battery
<b>B1528</b>	Passenger airbag On/Off switch short or short to Ground
<b>B152800</b>	Passenger airbag On/Off switch short or short to Ground
<b>B1529</b>	Passenger airbag On/Off switch defect
<b>B152900</b>	Passenger airbag On/Off switch defect
<b>B1530</b>	Passenger airbag On/Off switch instability
<b>B153000</b>	Passenger airbag On/Off switch instability
<b>B1531</b>	Buckle Switch Rear-Driver Open or Short to Battery
<b>B153100</b>	Buckle Switch Rear-Driver Open or Short to Battery
<b>B1532</b>	Buckle Switch Rear-Driver Short or Short to Ground
<b>B153200</b>	Buckle Switch Rear-Driver Short or Short to Ground
<b>B1533</b>	Buckle Switch Rear-Passenger Open or Short to Battery
<b>B153300</b>	Buckle Switch Rear-Passenger Open or Short to Battery
<b>B1534</b>	Buckle Switch Rear-Passenger Short or Short to Ground
<b>B153400</b>	Buckle Switch Rear-Passenger Short or Short to Ground
<b>B1535</b>	Buckle Switch Rear-Driver Defect

Trouble code	Fault location
<b>B153500</b>	Buckle Switch Rear-Driver Defect
<b>B1536</b>	Buckle Switch Rear-Passenger Defect
<b>B153600</b>	Buckle Switch Rear-Passenger Defect
<b>B1550</b>	Cruise Switch Error
<b>B1550</b>	Cruise Control Switch - Malfunction
<b>B1551</b>	Audio1 Switch Error
<b>B1552</b>	Audio2 Switch Error
<b>B1553</b>	Light Multifunction Switch Error
<b>B1553XX</b>	Light MFSW ERR
<b>B1554</b>	Turn Signal Multifunction Switch Error
<b>B1554XX</b>	Turn Signal Multifunction Switch Error
<b>B1555</b>	Wiper Multifunction Switch Error
<b>B1555XX</b>	Wiper MFSW ERR
<b>B1562</b>	Fuel Sender ERR
<b>B1580</b>	Ignition Switch Short to Battery
<b>B1580</b>	Ignition start switch short to battery
<b>B158000</b>	Ignition start switch short to battery
<b>B1581</b>	Ignition Switch Error
<b>B158100</b>	Ignition Switch Signal Error BCM
<b>B1582</b>	Push Knob Switch Error
<b>B1583</b>	Park Position Error
<b>B1585</b>	Latch Switch Fail
<b>B1586</b>	Chime Open or Short to Battery
<b>B158600</b>	Chime Open or Short to Battery
<b>B1587</b>	Chime Short to Ground
<b>B158700</b>	Chime Short to Ground
<b>B1588</b>	Right Front Wiper/Washer MF Switch
<b>B1589</b>	Right Rear Wiper/Washer MF Switch
<b>B1590</b>	Light Multifunction Switch Error
<b>B1591</b>	Turn Signal Multifunction Switch Error
<b>B1592</b>	Head lamp Switch Fault
<b>B1594</b>	M/F Auto Position Signal Fault
<b>B1596</b>	Air Mix On/Off Switch Potentiometer Open (Low) - Console
<b>B1597</b>	Air Mix On/Off Switch Potentiometer Short (High) - Console
<b>B1602</b>	CAN Communication Bus Off
<b>B1602</b>	CAN Error
<b>B1602</b>	CAN Error
<b>B160200</b>	CAN Line Error (B-CAN)

Trouble code	Fault location
<b>B160200</b>	CAN Error
<b>B160200</b>	CAN Line Error
<b>B1603</b>	CAN Communication Bus Off
<b>B1603</b>	CAN Bus OFF
<b>B1603</b>	CAN Bus OFF(C-CAN)
<b>B1603</b>	CAN Communication Bus Off
<b>B1603</b>	CAN Bus Off
<b>B1603</b>	CAN Communication Bus Off
<b>B1603</b>	Lost Communication With Four-Wheel Drive Clutch Control Module
<b>B160300</b>	CAN Bus OFF (B-CAN)
<b>B160300</b>	CAN Bus OFF
<b>B160300</b>	CAN Bus Off
<b>B160300</b>	CAN BUS OFF
<b>B160388</b>	CAN BUS OFF
<b>B1603XX</b>	CAN Bus Off
<b>B1603XX</b>	CAN BUS OFF
<b>B1604</b>	Lost Communication Between BCM and SMK
<b>B1604</b>	CAN Timeout between SMK and (IPM or BCM)
<b>B160400</b>	CAN Time-Out BCM
<b>B1605</b>	CAN Timeout Between SMK and DDM
<b>B1605</b>	CAN Timeout Between SMK and DDM
<b>B160500</b>	CAN timeout between IPM and DDM
<b>B160500</b>	CAN Time-Out DDM
<b>B1606</b>	CAN Timeout Between SMK and ADM
<b>B1606</b>	CAN Timeout Between SMK and ADM
<b>B160600</b>	CAN timeout between IPM and ADM
<b>B160600</b>	CAN Time-Out ADM
<b>B1607</b>	CAN Time-out Between BCM and PSM
<b>B160700</b>	CAN Time-Out PSM
<b>B160700</b>	CAN timeout between IPM and PSM
<b>B1608</b>	CAN Time-out Between BCM and SCM
<b>B160800</b>	CAN Time-Out SCM
<b>B160800</b>	CAN timeout between IPM and SCM
<b>B1609</b>	CAN Timeout between SMK and SJB
<b>B1609</b>	CAN Timeout between SMK and BCM
<b>B1609</b>	CAN Time-out SJB, FSJB
<b>B160900</b>	CAN Time-out SJB, FSJB
<b>B160900</b>	CAN time-out SJB

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B160A00</b>	CAN Time-out RSJB
<b>B160B</b>	Lost Communication with E-Comp
<b>B160C</b>	Lost Communication with PTC
<b>B160D</b>	Radiator Fan LH CAN Communication Fault
<b>B160E</b>	Radiator Fan RH CAN Communication Fault
<b>B1611</b>	FAM Communication Lost and BUS Failure
<b>B1611</b>	CAN Time-out FAM
<b>B1612</b>	RAM Communication Lost & Bus Failure
<b>B1613</b>	Lost Communication with CLU
<b>B1613</b>	CAN Time-out CLU
<b>B1613</b>	CAN Timeout Between SMK and CLU
<b>B1613</b>	CAN Timeout Between BCM and CLU
<b>B1614</b>	Lost Communication Between BCM and IFU
<b>B1615</b>	Data out to basestation short to Ground or open circuit
<b>B161500</b>	Data out to basestation short to Ground or open circuit
<b>B1616</b>	Data out to basestation short to Battery
<b>B161600</b>	Data out to basestation short to Battery
<b>B1617</b>	Data in from basestation short to Ground
<b>B161700</b>	Data in from basestation short to Ground
<b>B1618</b>	Data in from basestation disconnected
<b>B161800</b>	Data in from basestation disconnected
<b>B1619</b>	Basestation antenna failed
<b>B161900</b>	Basestation antenna failed
<b>B161AXX</b>	AVM Internal Trouble
<b>B161B00</b>	Right IMS Switch (IMSSW) LIN Communication Error
<b>B161C00</b>	Right Intelligent CONN Module (I-CON) LIN Communication Error
<b>B161D00</b>	Right Ventilated Seat Module (CCSM) LIN Communication Error
<b>B161EXX</b>	PGS Internal Trouble
<b>B161FXX</b>	Camera Input Error
<b>B1620</b>	SRSCM Internal Failure
<b>B1620</b>	SRSCM Internal Failure
<b>B1620</b>	SRSCM Internal Failure H
<b>B1620</b>	Internal fault-Replace SRSCM
<b>B162000</b>	Vibration Controller Fault
<b>B162000</b>	Internal fault-Replace SRSCM
<b>B1621</b>	ECU Defect/Error
<b>B1621</b>	SRSCM Hardware Fault

Trouble code	Fault location
<b>B1621</b>	Sensor Power Error Line ERROR
<b>B1621</b>	ECU Check Sum Error
<b>B1621</b>	ECU Hardware Error
<b>B162100</b>	SRSCM Hardware Fault
<b>B162100</b>	ECU-Failure
<b>B1622</b>	ECM Software
<b>B1622</b>	SRSCM software fault
<b>B1622</b>	ECU Software Error
<b>B162200</b>	SRSCM software fault
<b>B1623</b>	SRSCM error or wrong checksum
<b>B162300</b>	SRSCM error or wrong checksum
<b>B1624</b>	EEPROM Failure
<b>B1625</b>	ECM Communication Data Failure
<b>B1625</b>	ECM Data Error
<b>B1625</b>	ECM Reception error or ECM data error
<b>B162500</b>	ECM Communication Data Failure
<b>B162500</b>	ECM Reception error or ECM data error
<b>B1626</b>	No SRSCM request
<b>B162600</b>	No SRSCM request
<b>B1627</b>	EEPROM Corruption
<b>B1628</b>	Module Configuration Conflict
<b>B162800</b>	Module Configuration Conflict
<b>B1629</b>	Lin Reception Error
<b>B1629</b>	LIN Channel1 Reception Error
<b>B162900</b>	LIN Channel1 Reception Error
<b>B162A00</b>	Wiper Motor Module LIN Fault
<b>B162B00</b>	Wiper Motor Module Teaching Error
<b>B162CXX</b>	Camera Power Line Short
<b>B1630</b>	Lin Transmission Error
<b>B163000</b>	LIN Channel1 Transmission Error
<b>B1636</b>	LIN Communication Error Fault
<b>B1637</b>	System Not Initialized
<b>B1638</b>	CAN time-out Air Suspension
<b>B1639</b>	LIN communication error DBL(Dynamic Bending Light) Left
<b>B163A00</b>	LIN Channel2 Reception Error
<b>B163B00</b>	LIN Channel2 Transmission Error
<b>B163C00</b>	LIN Channel3 Reception Error
<b>B163D00</b>	LIN Channel3 Transmission Error

Trouble code	Fault location
<b>B163E00</b>	Rain Sensor Module LIN Fault
<b>B163F00</b>	Siren LIN Fault
<b>B1640</b>	ABS Fail Sig.
<b>B1640</b>	LIN Reception Error for M/F
<b>B1640</b>	CAN Time-out MFSW
<b>B1640</b>	LIN communication error DBL(Dynamic Bending Light) Right
<b>B164000</b>	CAN Time-out MFSW
<b>B164000</b>	CAN timeout between IPM and MFSW
<b>B1641</b>	CAN Time-out FBWS
<b>B1641</b>	LIN communication error HLL(Head Lamp Leveling) Left
<b>B1642</b>	LIN Reception Error for VMM
<b>B1642</b>	CAN Time-out PTM
<b>B1642</b>	LIN communication error HLL(Head Lamp Leveling) Right
<b>B1643</b>	CAN Time-out ECW
<b>B1644</b>	CAN Time-Out ACU
<b>B164400</b>	CAN Time-Out ACU
<b>B1645</b>	Drive Unit Fail
<b>B1646</b>	S/W Rescue Mode
<b>B1647</b>	VAS Error
<b>B1649</b>	Crash Recorded - Rollover event (Replace SRSCM)
<b>B164900</b>	Crash Recorded - Rollover event (Replace SRSCM)
<b>B164A00</b>	All ECUs of B-CAN are absent
<b>B164B00</b>	All ECUs of M-CAN are absent
<b>B1650</b>	SRSCM Crash Recorded
<b>B1650</b>	SRSCM Crash Recorded H
<b>B1650</b>	Crash Recorded in 1st Stage Only(Frontal-Replace SRSCM) H
<b>B1650</b>	Crash Recorded in 1st Stage Only(Frontal-Replace SRSCM)
<b>B1650000</b>	Crash Recorded in 1st Stage Only(Frontal-Replace SRSCM)
<b>B1651</b>	Driver Side Air Bag(DSAB) Crash Recorded
<b>B1651</b>	Crash Recorded in Front-Driver Side Airbag(Replace SRSCM) H
<b>B1651</b>	Crash Recorded in Driver Side Airbag(Replace SRSCM)
<b>B165100</b>	Crash Recorded in Driver Side Airbag(Replace SRSCM)
<b>B1652</b>	Passenger Side Air Bag(PSAB) Crash Recorded
<b>B1652</b>	Crash Recorded in Front-Passenger Side Airbag(Replace SRSCM) H
<b>B1652</b>	Crash Recorded in Passenger Side Airbag(Replace SRSCM)
<b>B165200</b>	Crash Recorded in Passenger Side Airbag(Replace SRSCM)

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B1653</b>	Crash recorded in rear-Driver side airbag(Replace SRSCM)
<b>B165300</b>	Crash recorded in rear-Driver side airbag(Replace SRSCM)
<b>B1654</b>	Crash recorded in rear-Passenger side airbag(Replace SRSCM)
<b>B165400</b>	Crash recorded in rear-Passenger side airbag(Replace SRSCM)
<b>B1655</b>	Crash Recorded (Side Airbag - Replace SRSCM)
<b>B1655</b>	Crash Recorded (Side Airbag-Replace SRSCM)
<b>B1655</b>	Crash Recorded (Side Airbag-Replace SRSCM) H
<b>B1655</b>	Crash recorded (Side - Replace SRSCM)
<b>B165500</b>	Crash recorded (Side - Replace SRSCM)
<b>B1656</b>	Fault Memory Full
<b>B165600</b>	Fault Memory Full
<b>B1657</b>	Crash Recorded-Belt Pretensioner(BPT) Only
<b>B1657</b>	Crash Recorded in Belt Pretensioner only H
<b>B1657</b>	Crash Recorded in Belt Pretensioner only
<b>B165700</b>	Crash Recorded in Belt Pretensioner only
<b>B1658</b>	Belt Pretensioner 6 times Deployment H
<b>B1658</b>	Belt Pretensioner 6 times Deployment
<b>B165800</b>	Belt Pretensioner 6 times Deployment
<b>B1659</b>	Rear Crash Detected
<b>B165900</b>	Rear Crash Detected
<b>B1660</b>	Crash recorded in Driver Airbag(Replace SRSCM)
<b>B166000</b>	Crash recorded in Driver Airbag(Replace SRSCM)
<b>B1661</b>	ECU Mismatch
<b>B1661</b>	SRSCM Unmatching
<b>B1661</b>	SRSCM Unmatching H
<b>B1661</b>	Parameter Fault And Missing
<b>B166100</b>	Parameter Fault And Missing
<b>B1662</b>	Crash recorded in Driver belt Pretensioner
<b>B166200</b>	Crash recorded in Driver belt Pretensioner
<b>B1663</b>	Crash recorded in Passenger Airbag(Replace SRSCM)
<b>B166300</b>	Crash recorded in Passenger Airbag(Replace SRSCM)
<b>B1664</b>	Passenger Belt Pretensioner Fire
<b>B1664</b>	Crash recorded in Passenger belt pretensioner
<b>B166400</b>	Crash recorded in Passenger belt pretensioner
<b>B1670</b>	Driver Air Bag(DAB)/Passenger Air Bag(PAB) Crash Record Full Stage
<b>B1670</b>	Crash Recorded in Full Stage(Frontal-Replace SRSCM) H

Trouble code	Fault location
<b>B1670</b>	Crash recorded in full stage(Frontal-Replace SRSCM)
<b>B167000</b>	Crash recorded in full stage(Frontal-Replace SRSCM)
<b>B1671</b>	DDM and IMS SERIAL COMMUNICATION ERROR
<b>B1672</b>	APT Sensor Fault - CAN Signal
<b>B1675</b>	Crash Output error
<b>B167500</b>	Crash Output error
<b>B1676</b>	Crash Output Short to Ground
<b>B167600</b>	Crash Output Short to Ground
<b>B167600</b>	Crash Recorded in Driver Side Restraint System With Frontal Crash (Replace ECU)
<b>B1677</b>	Crash Recorded in Passenger Side Restraint System With Frontal Crash (Replace ECU)
<b>B167700</b>	Crash Recorded in Passenger Side Restraint System With Frontal Crash (Replace ECU)
<b>B1678</b>	Scrap Recorded (Replace ECU)
<b>B1678</b>	Scrap Recorded(Replace SRSCM)
<b>B167800</b>	Scrap Recorded (Replace ECU)
<b>B167800</b>	Scrap Recorded(Replace SRSCM)
<b>B1681</b>	DDM and Rear LH Serial Communication Error
<b>B168100</b>	Serial LH Communication Error
<b>B1682</b>	DDM and Rear RH Serial Communication Error
<b>B1683</b>	Exceed Maximum Coding Number
<b>B168300</b>	Exceed Maximum Coding Number
<b>B1684</b>	Not Configured Device is Detected
<b>B168400</b>	Not Configured Device is Detected
<b>B1685</b>	Engine RPM fault - CAN Signal
<b>B1686</b>	Vehicle Speed Sensor Fault - CAN Signal
<b>B1687</b>	Engine Coolant Temperature Sensor Circuit - CAN Signal
<b>B1688</b>	Cluster Ionizer Fault
<b>B1689</b>	CAN timeout between SMK and PDM
<b>B1689</b>	CAN Time-out PDM
<b>B168900</b>	CAN timeout between SMK and PDM
<b>B168A00</b>	CAN Time-out SMK
<b>B168B</b>	CAN time-out APSM
<b>B1690</b>	CAN timeout between IPM and SJB
<b>B1690</b>	Network Fail (Hi-CAN)
<b>B1691</b>	D/CLOCK Reference high
<b>B1692</b>	D/CLOCK Reference low
<b>B1693</b>	Ambient temperature sensor fault(D/CLOCK Only)

Trouble code	Fault location
<b>B1694</b>	Ambient temperature sensor open/short(D/CLOCK Only)
<b>B1695</b>	Lost Communication with E-Comp
<b>B1696</b>	COMP Oper. State Error
<b>B1697</b>	ACU Communication error
<b>B169787</b>	ACU Communication error
<b>B1698</b>	CAN time-out SWRC
<b>B169800</b>	CAN timeout between IPM and SWRC
<b>B169800</b>	CAN time-out SWRC
<b>B1699</b>	CAN timeout between IPM and AV/AVN
<b>B169900</b>	CAN Time-Out AV/AVN
<b>B169A</b>	LIN Error DIMSSW
<b>B169A00</b>	Left IMS Switch (IMSSW) LIN Communication Error
<b>B169B00</b>	Left Intelligent CONN Module (I-CON) LIN Communication Error
<b>B169C</b>	LIN Error RLDM
<b>B169C00</b>	Rear Left Door Module (RLDM) LIN Communication Error
<b>B169D</b>	LIN Error RRDM
<b>B169D00</b>	Rear Right Door Module (RRDM) LIN Communication Error
<b>B169E00</b>	Left Ventilated Seat Module (CCSM) LIN Communication Error
<b>B169F</b>	LIN Error UIP
<b>B16A0</b>	Sidemirror Ambient Sensor Fault - CAN Signal
<b>B16A1</b>	Photo Sensor Signal - LH Fault - CAN Signal
<b>B16A2</b>	Photo Sensor Signal - RH Fault - CAN Signal
<b>B16A3</b>	Sunroof On/Off Signal Fault - CAN Signal
<b>B16A4</b>	External Control Valve Fault
<b>B16A4</b>	ECV Fault
<b>B1700</b>	Buckle pretensioner - Driver open
<b>B170000</b>	Buckle pretensioner - Driver open
<b>B1701</b>	Buckle Pretensioner-Driver resistance too High
<b>B170100</b>	Buckle Pretensioner-Driver resistance too High
<b>B1702</b>	Buckle Pretensioner-Driver resistance too Low
<b>B170200</b>	Buckle Pretensioner-Driver resistance too Low
<b>B1703</b>	Buckle Pretensioner-Driver resistance circuit short to Ground
<b>B170300</b>	Buckle Pretensioner-Driver resistance circuit short to Ground
<b>B1704</b>	Buckle Pretensioner-Driver resistance circuit short to Battery
<b>B170400</b>	Buckle Pretensioner-Driver resistance circuit short to Battery
<b>B1705</b>	Buckle pretensioner - Passenger open
<b>B170500</b>	Buckle pretensioner - Passenger open



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B1706</b>	Buckle Pretensioner-Passenger resistance too High
<b>B170600</b>	Buckle Pretensioner-Passenger resistance too High
<b>B1707</b>	Buckle Pretensioner-Passenger resistance too Low
<b>B170700</b>	Buckle Pretensioner-Passenger resistance too Low
<b>B1708</b>	Buckle Pretensioner-Passenger resistance circuit short to Ground
<b>B170800</b>	Buckle Pretensioner-Passenger resistance circuit short to Ground
<b>B1709</b>	Buckle Pretensioner-Passenger resistance circuit short to Battery
<b>B170900</b>	Buckle Pretensioner-Passenger resistance circuit short to Battery
<b>B1710</b>	Knee airbag - Driver open
<b>B171000</b>	Knee airbag - Driver open
<b>B1711</b>	Knee Airbag Front Driver Resistance too High
<b>B1711</b>	Knee airbag - Driver resistance too High
<b>B171100</b>	Knee airbag - Driver resistance too High
<b>B1712</b>	Knee Airbag Front Driver Resistance too Low
<b>B1712</b>	Knee airbag - Driver resistance too Low
<b>B171200</b>	Knee airbag - Driver resistance too Low
<b>B1713</b>	Knee Airbag Front Driver Circuit Short or Short to Ground
<b>B1713</b>	Knee airbag - Driver resistance circuit short to Ground
<b>B171300</b>	Knee airbag - Driver resistance circuit short to Ground
<b>B1714</b>	Knee Airbag Front Driver Circuit Open or Short to Battery
<b>B1714</b>	Knee airbag - Driver resistance circuit short to Battery
<b>B171400</b>	Knee airbag - Driver resistance circuit short to Battery
<b>B1715</b>	Knee airbag - Passenger open
<b>B171500</b>	Knee airbag - Passenger open
<b>B1716</b>	Knee Airbag Front Passenger Resistance too High
<b>B1716</b>	Knee airbag - Passenger resistance too High
<b>B171600</b>	Knee airbag - Passenger resistance too High
<b>B1717</b>	Knee Airbag Front Passenger Resistance too Low
<b>B1717</b>	Knee airbag - Passenger resistance too Low
<b>B171700</b>	Knee airbag - Passenger resistance too Low
<b>B1718</b>	Knee Airbag Front Passenger Circuit Short or Short to Ground
<b>B1718</b>	Knee airbag - Passenger resistance circuit short to Ground
<b>B171800</b>	Knee airbag - Passenger resistance circuit short to Ground
<b>B1719</b>	Knee Airbag Front Passenger Circuit Open or Short to Battery
<b>B1719</b>	Knee airbag - Passenger resistance circuit short to Battery

Trouble code	Fault location
<b>B171900</b>	Knee airbag - Passenger resistance circuit short to Battery
<b>B1722</b>	Inflatable Curtain Airbag Rear-Driver Resistance too High
<b>B1722</b>	Inflatable curtain airbag rear-Driver resistance too High
<b>B172200</b>	Inflatable curtain airbag rear-Driver resistance too High
<b>B1723</b>	Inflatable Curtain Airbag Rear-Driver Resistance too Low
<b>B1723</b>	Inflatable curtain airbag rear-Driver resistance too Low
<b>B172300</b>	Inflatable curtain airbag rear-Driver resistance too Low
<b>B1724</b>	Inflatable Curtain Airbag Rear-Driver Resistance Circuit Short to Ground
<b>B1724</b>	Inflatable curtain airbag rear-Driver resistance circuit short to Ground
<b>B172400</b>	Inflatable curtain airbag rear-Driver resistance circuit short to Ground
<b>B1725</b>	Inflatable Curtain Airbag Rear-Driver Resistance Circuit Short to Battery
<b>B1725</b>	Inflatable curtain airbag rear-Driver resistance circuit short to Battery
<b>B172500</b>	Inflatable curtain airbag rear-Driver resistance circuit short to Battery
<b>B1726</b>	Inflatable Curtain Airbag Rear-Passenger Resistance too High
<b>B1726</b>	Inflatable curtain airbag rear-Passenger resistance too High
<b>B172600</b>	Inflatable curtain airbag rear-Passenger resistance too High
<b>B1727</b>	Inflatable Curtain Airbag Rear-Passenger Resistance too Low
<b>B1727</b>	Inflatable curtain airbag rear-Passenger resistance too Low
<b>B172700</b>	Inflatable curtain airbag rear-Passenger resistance too Low
<b>B1728</b>	Inflatable Curtain Airbag Rear-Passenger Resistance Circuit Short to Ground
<b>B1728</b>	Inflatable curtain airbag rear-Passenger resistance circuit short to Ground
<b>B172800</b>	Inflatable curtain airbag rear-Passenger resistance circuit short to Ground
<b>B1729</b>	Inflatable Curtain Airbag Rear-Passenger Resistance Circuit Short to Battery
<b>B1729</b>	Inflatable curtain airbag rear-Passenger resistance circuit short to Battery
<b>B172900</b>	Inflatable curtain airbag rear-Passenger resistance circuit short to Battery
<b>B1730</b>	Anchor Pretensioner front-Driver resistance too High
<b>B173000</b>	Anchor Pretensioner front-Driver resistance too High
<b>B1731</b>	Anchor Pretensioner front-Driver resistance too Low
<b>B173100</b>	Anchor Pretensioner front-Driver resistance too Low

Trouble code	Fault location
<b>B1732</b>	Anchor Pretensioner front-Driver resistance circuit short to Ground
<b>B173200</b>	Anchor Pretensioner front-Driver resistance circuit short to Ground
<b>B1733</b>	Anchor Pretensioner front-Driver resistance circuit short to Battery
<b>B173300</b>	Anchor Pretensioner front-Driver resistance circuit short to Battery
<b>B1734</b>	Anchor Pretensioner front-Passenger resistance too High
<b>B173400</b>	Anchor Pretensioner front-Passenger resistance too High
<b>B1735</b>	Anchor Pretensioner front-Passenger resistance too Low
<b>B173500</b>	Anchor Pretensioner front-Passenger resistance too Low
<b>B1736</b>	Anchor Pretensioner front-Passenger resistance circuit short to Ground
<b>B173600</b>	Anchor Pretensioner front-Passenger resistance circuit short to Ground
<b>B1737</b>	Anchor Pretensioner front-Passenger resistance circuit short to Battery
<b>B173700</b>	Anchor Pretensioner front-Passenger resistance circuit short to Battery
<b>B1738</b>	P-SIS front - Driver Wrong ID
<b>B1738</b>	P-SIS(Side Impact Sensor, Pressure) Front - Driver Wrong ID
<b>B173800</b>	P-SIS(Side Impact Sensor, Pressure) Front - Driver Wrong ID
<b>B1739</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Defect
<b>B173900</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Defect
<b>B1740</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Short to Ground
<b>B174000</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Short to Ground
<b>B1741</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Short to Battery
<b>B174100</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Short to Battery
<b>B1742</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Communication Error
<b>B174200</b>	P-SIS(Side Impact Sensor, Pressure) Front-Driver Communication Error
<b>B1744</b>	P-SIS front - Passenger Wrong ID
<b>B1744</b>	P-SIS(Side Impact Sensor, Pressure) Front - Passenger Wrong ID
<b>B174400</b>	P-SIS(Side Impact Sensor, Pressure) Front - Passenger Wrong ID
<b>B1745</b>	P-SIS(Side Impact Sensor, Pressure) Front-Passenger Defect

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B174500</b>	P-SIS(Side Impact Sensor, Pressure) Front-Passenger Defect
<b>B1746</b>	P-SIS(Side Impact Sensor, Pressure) Front-Passenger Short to Ground
<b>B174600</b>	P-SIS(Side Impact Sensor, Pressure) Front-Passenger Short to Ground
<b>B1747</b>	P-SIS(Side Impact Sensor, Pressure) Front Passenger Short to Battery
<b>B174700</b>	P-SIS(Side Impact Sensor, Pressure) Front Passenger Short to Battery
<b>B1748</b>	P-SIS(Side Impact Sensor, Pressure) Front-Passenger Communication Error
<b>B174800</b>	P-SIS(Side Impact Sensor, Pressure) Front-Passenger Communication Error
<b>B1750</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Wrong ID
<b>B175000</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Wrong ID
<b>B1751</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Defect
<b>B175100</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Defect
<b>B1752</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Short to Ground
<b>B175200</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Short to Ground
<b>B1753</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Short to Battery
<b>B175300</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Short to Battery
<b>B1754</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Communication Error
<b>B175400</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Driver Communication Error
<b>B1756</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Wrong ID
<b>B175600</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Wrong ID
<b>B1757</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Defect
<b>B175700</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Defect
<b>B1758</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Short to Ground
<b>B175800</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Short to Ground
<b>B1759</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Short to Battery
<b>B175900</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Short to Battery

Trouble code	Fault location
<b>B1760</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Communication Error
<b>B176000</b>	P-SIS(Side Impact Sensor, Pressure) Rear - Passenger Communication Error
<b>B1762</b>	ACU Coding Error
<b>B176200</b>	ACU Coding Error
<b>B1763</b>	OCS ECU Defect
<b>B176300</b>	OCS ECU Defect
<b>B1764</b>	OCS MAT Defect
<b>B176400</b>	OCS MAT Defect
<b>B1765</b>	Body Sense Communication Error
<b>B176500</b>	Body Sense Communication Error
<b>B1766</b>	Body Sense Wrong ID
<b>B176600</b>	Body Sense Wrong ID
<b>B1767</b>	OCS Algo Cut Off
<b>B17672F</b>	OCS Algo Cut Off
<b>B1768</b>	Rear In-Car Temperature Sensor Short(Low)
<b>B1769</b>	Rear In-Car Temperature Sensor Open(High)
<b>B1771</b>	Console sensor short (Low)
<b>B1772</b>	Console sensor open (High)
<b>B1773</b>	FRONT & REAR Communication Fault
<b>B1800</b>	Side Crash Detection for Door Unlock(NON-SAB)
<b>B180000</b>	Side Crash Detection for Door Unlock(NON-SAB)
<b>B1801</b>	E-Comp Fault (Low Voltage)
<b>B1802</b>	E-Comp Fault (High Voltage)
<b>B1803</b>	E-Comp Fault (Over Heat Protection)
<b>B1804</b>	HVAC Blower Motor
<b>B1805</b>	E-Comp Fault (Over Loaded)
<b>B1806</b>	E-Comp Fault (Over Current Protection)
<b>B1807</b>	E-Comp Fault (Abnormal -not receiving)
<b>B1808</b>	E-Comp Fault (Missed Restart)
<b>B1810</b>	UIP System Error
<b>B1812</b>	Vehicle Speed sensor (TCU) fault - CAN Signal
<b>B1821</b>	Ecomp Wait Low Voltage
<b>B1822</b>	Ecomp Wait High Voltage
<b>B1823</b>	Ecomp Wait Over Heat Protection
<b>B1824</b>	Ecomp Wait Over Current Protection
<b>B1825</b>	Ecomp Wait Low Temp Protection
<b>B1826</b>	Ecomp Sleep Missed Restart

Trouble code	Fault location
<b>B1827</b>	Ecomp Sleep Current Sensor Error
<b>B1828</b>	Ecomp Sleep Thermistor Error
<b>B1829</b>	Ecomp Fault Thermister Error
<b>B182A</b>	Ecomp Fault Current Sensor Error
<b>B182B</b>	Ecomp Fault Short Circuit
<b>B182C</b>	Ecomp Limit Operating of High Temperature
<b>B182D</b>	Ecomp Limit Operating of Over Load
<b>B182E</b>	PTC Heater Low Voltage Low Fault
<b>B182F</b>	PTC Heater Low Voltage High Fault
<b>B1830</b>	PTC Heater High Voltage Low Fault
<b>B1831</b>	PTC Heater High Voltage High Fault
<b>B1832</b>	PTC Heater Over Current Fault
<b>B1833</b>	PTC Heater Thermal Shutdown Fault
<b>B1834</b>	PTC Heater PCB Thermal Shutdown Fault
<b>B1835</b>	PTC Heater Failure of High Voltage Sensor
<b>B1836</b>	PTC Heater Failure of Low Voltage Sensor
<b>B1837</b>	PTC Heater Failure of Current Sensor
<b>B1838</b>	PTC Heater Open/Short of PCB Temperature Sensor
<b>B1839</b>	PTC Heater Open/Short of Core Temperature Sensor
<b>B183A</b>	Radiator Fan LH Hall-Signal Error Fault
<b>B183B</b>	Radiator Fan LH Rpm Error Fault
<b>B183C</b>	Radiator Fan LH Over Voltage Fault
<b>B183D</b>	Radiator Fan LH Under Voltage Fault
<b>B183E</b>	Radiator Fan LH Over Current Fault
<b>B183F</b>	Radiator Fan LH Intelligent Power Module Fault
<b>B1840</b>	Radiator Fan LH Inverter Over Temperature Fault
<b>B1841</b>	Radiator Fan LH Inverter Stall
<b>B1842</b>	Radiator Fan RH Hall-Signal Error Fault
<b>B1843</b>	Radiator Fan RH RPM Error Fault
<b>B1844</b>	Radiator Fan RH Over Voltage Fault
<b>B1845</b>	Radiator Fan RH Under Voltage Fault
<b>B1846</b>	Radiator Fan RH Over Current Fault
<b>B1847</b>	Radiator Fan RH Intelligent Power Module Fault
<b>B1848</b>	Radiator Fan RH Inverter Over Temperature Fault
<b>B1849</b>	Radiator Fan RH Inverter Stall
<b>B1901</b>	Auto Light Out Of Range
<b>B1905</b>	Rain Sensor Fault 1
<b>B1905</b>	Sensor Power Supply Fault

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B1906</b>	Rain Sensor Fault 2
<b>B1906</b>	Front sensor PWM signal fault
<b>B1907</b>	Rain Sensor Fault 3
<b>B1907</b>	Front sensor signal fault
<b>B1908</b>	Rear sensor PWM signal fault
<b>B1909</b>	Rear sensor signal fault
<b>B1910</b>	Outside Mirror - Left Horizontal Motor or Sensor Error
<b>B1910</b>	Outside Mirror - Left Horizontal Motor or Sensor Error
<b>B191000</b>	Outside Mirror - Left Horizontal Motor or Sensor Error
<b>B1910XX</b>	Outside Mirror - Left Horizontal Motor or Sensor Error
<b>B1911</b>	Outside Mirror - Left Vertical Motor or Sensor Error
<b>B1911</b>	Outside Mirror - Left Vertical Motor or Sensor Error
<b>B191100</b>	Outside Mirror - Left Vertical Motor or Sensor Error
<b>B1911XX</b>	Outside Mirror - Left Vertical Motor or Sensor Error
<b>B1912</b>	Outside Mirror - Right horizontal Motor or Sensor
<b>B191200</b>	Outside Mirror - Right horizontal Motor or Sensor
<b>B1912XX</b>	Outside Mirror - Right horizontal Motor or Sensor
<b>B1913</b>	Outside Mirror - Right vertical Motor or Sensor
<b>B191300</b>	Outside Mirror - Right vertical Motor or Sensor
<b>B1913XX</b>	Outside Mirror - Right vertical Motor or Sensor
<b>B1952</b>	Outside Mirror Defogger Error
<b>B1953</b>	AXLE Sensor Fault
<b>B1954</b>	Slide Motor Or Sensor Error
<b>B1954XX</b>	Slide Motor Or Sensor Error
<b>B1955</b>	Recline Motor Or Sensor Error
<b>B1955XX</b>	Recline Motor Or Sensor Error
<b>B1956</b>	Front Height Motor Or Sensor Error
<b>B1956XX</b>	Front Height Motor Or Sensor Error
<b>B1957</b>	Right Rear Height Motor Or Sensor Error
<b>B1957</b>	Rear Height Motor Or Sensor Error
<b>B1957XX</b>	Rear Height Motor Or Sensor Error
<b>B1958</b>	Pedal Motor Sensor Error
<b>B1958XX</b>	Tilt Position Sensor Error
<b>B1959</b>	Tilt Position Sensor Error
<b>B1959XX</b>	Tele Position Sensor Error
<b>B1960</b>	Right Rear Height Position Sensor Error
<b>B1960</b>	Tele Position Sensor Error
<b>B1971</b>	Parking Position Input Error

Trouble code	Fault location
<b>B1971</b>	PARK POSITION Error (Only for ESCL variant)
<b>B197100</b>	PARK POSITION Error (Only for ESCL variant)
<b>B1972</b>	Start Stop Button Failure
<b>B1978</b>	Electric Steering Column Lock Failure
<b>B1978</b>	ESCL failure
<b>B197800</b>	ESCL failure
<b>B197A00</b>	Slide & H/Rest Set Error
<b>B197B00</b>	Slide Error
<b>B197C00</b>	Recline Error
<b>B1982</b>	Emergency stop
<b>B1987</b>	Sub Micom Failed
<b>B1987</b>	Sub MCU Failed
<b>B1988</b>	ESCL Battery Short Circuit To Battery
<b>B1988</b>	ESCL BAT SCB
<b>B198800</b>	ESCL Battery Short Circuit To Battery
<b>B1989</b>	ESCL Ground Short Circuit To Battery
<b>B1989</b>	ESCL GND SCB
<b>B198900</b>	ESCL Ground Short Circuit To Battery
<b>B1990</b>	ESCL Battery Short Circuit To Ground
<b>B1990</b>	ESCL Battery Short Circuit Ground
<b>B199000</b>	ESCL Battery Short Circuit Ground
<b>B1991</b>	Immobilizer TX Short Circuit To Ground
<b>B1991</b>	IMMO TX Short To Ground
<b>B199100</b>	IMMO TX Short To Ground
<b>B1996</b>	Headrest Auto Adjust Error
<b>B1997</b>	Rear Slide Motor or Sensor Error
<b>B1998</b>	LEG Motor or Sensor Error
<b>B1999</b>	Foot Rest Motor or Sensor Error
<b>B2100</b>	Motor Relay
<b>B2101</b>	Motor Relay - Abnormal
<b>B2102</b>	Motor Relay - Stuck On
<b>B2103</b>	Motor Relay - Electrical
<b>B2104</b>	Compressor Relay
<b>B2105</b>	Compressor Relay - Abnormal
<b>B2106</b>	Compressor Relay - Stuck On
<b>B2107</b>	Compressor Relay - Electrical
<b>B2115</b>	Rear Defog Relay Fail
<b>B2119</b>	Windshield Defog Relay Fail

Trouble code	Fault location
<b>B2120</b>	SMK IGN1 Control Output Fault
<b>B2200</b>	LIN communication error DBL(Dynamic Bending Light) Right
<b>B2201</b>	LIN communication error HLL(Head Lamp Leveling) Left
<b>B2202</b>	LIN communication error HLL(Head Lamp Leveling) Right
<b>B2207</b>	LIN communication error LDM(Led Drive Module) Left
<b>B2208</b>	LIN communication error LDM(Led Drive Module) Right
<b>B2313</b>	HVAC Water Pump Wire Open
<b>B2325</b>	Swivel Module Fault Left
<b>B2326</b>	Swivel Module Fault Right
<b>B2330</b>	Driver Door Lock Actuator Error
<b>B2331</b>	Driver Door Unlock Actuator Error
<b>B2332</b>	Assistant Door Lock Actuator Error
<b>B2333</b>	Assistant Door Unlock Actuator Error
<b>B234000</b>	Limp home
<b>B2352</b>	Dedicated DRL LH SCG
<b>B235200</b>	Dedicated DRL LH SCG
<b>B2353</b>	Dedicated DRL RH SCG
<b>B235300</b>	Dedicated DRL RH SCG
<b>B2354</b>	Dedicated DRL SCG
<b>B235400</b>	Dedicated DRL SCG
<b>B2361</b>	Turn Signal LH Front Open Circuit
<b>B2362</b>	Turn Signal LH Rear Open Circuit
<b>B2363</b>	Turn Signal RH Front Open Circuit
<b>B2364</b>	Turn Signal RH Rear Open Circuit
<b>B2365</b>	Turn Signal LH Front Short to Ground
<b>B2366</b>	Turn Signal LH Rear Short to Ground
<b>B2367</b>	Turn Signal RH Front Short to Ground
<b>B2368</b>	Turn Signal RH Rear Short to Ground
<b>B2369</b>	Thermometer Fail - Cool/Hot Box
<b>B2370</b>	Peltier Fail - Cool/Hot Box
<b>B2371</b>	Fan Static Pressure - Cool/Hot Box
<b>B2372</b>	Fan Locking - Cool/Hot Box
<b>B2373</b>	Fan Fail - Cool/Hot Box
<b>B2374</b>	Body Load Circuit Short to Ground
<b>B237400</b>	Body Load Circuit Short to Ground
<b>B2400</b>	Motor
<b>B2400</b>	Leveling Motor Fault Left
<b>B2401</b>	Motor - Abnormal



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B2401</b>	Leveling Motor Fault Right
<b>B2405</b>	Air Mix Motor-Console
<b>B2406</b>	Driver Air Mix Door Motor
<b>B2406</b>	Air Mix Motor-Driver
<b>B2407</b>	Air Mix Motor - Abnormal
<b>B2408</b>	Air Mix Motor - Electrical
<b>B2408</b>	Intake Motor
<b>B2409</b>	Driver Mode Selection Door Motor
<b>B2409</b>	Direction Control Motor-Driver
<b>B2410</b>	Direction Control Motor Abnormal
<b>B2411</b>	Direction Control Motor Electrical.
<b>B2411</b>	Direction Control Motor-Console
<b>B2411</b>	Direction Control Motor (Rear)
<b>B2415</b>	PS Air Mix Door Motor
<b>B2415</b>	Air Mix Door Motor-Passenger
<b>B2416</b>	PS Mode Select Door Motor
<b>B2416</b>	Direction Control Motor-Passenger
<b>B2417</b>	Direction Control Motor-Vent
<b>B2418</b>	Direction Control Motor-Floor
<b>B2419</b>	Direction Control Motor-Defog
<b>B2420</b>	Drive Motor Open
<b>B2421</b>	Drive Motor Short High
<b>B2421</b>	Drive Motor Output Short To Battery
<b>B2422</b>	Drive Motor Short Low
<b>B2422</b>	Drive Motor Output Short To Ground
<b>B2423</b>	Clutch Open or Short High
<b>B2424</b>	Clutch Short Low
<b>B2425</b>	Pinch Strip Open/Stuck High
<b>B2425</b>	Left Pinch Strip Circuit Open or Short to Battery
<b>B2426</b>	Pinch Strip Stuck Low
<b>B2426</b>	Left Pinch Strip Circuit Open or Short to Ground
<b>B2427</b>	Right Pinch Strip Open/Stuck High
<b>B2428</b>	Right Pinch Strip Stuck Low
<b>B2429</b>	Folding Motor Power Feed Error
<b>B2441</b>	Right Rear Wiper Park Position Detect Fail
<b>B2447</b>	Air Mix Motor VENT-Console
<b>B2448</b>	Air Mix Motor TEMP-Console
<b>B2450</b>	Unlatch Motor Short High

Trouble code	Fault location
<b>B2450</b>	Unlatch or Cinch Motor Short High
<b>B2451</b>	Unlatch Motor Short Low
<b>B2451</b>	Unlatch or Cinch Motor Short Low
<b>B2452</b>	Unlatch or Cinch Motor Open
<b>B2455</b>	Safety Power Window Motor Power Feed Error
<b>B2456</b>	Seat Motor Sensor VCC Error
<b>B2457</b>	Pedal Motor Sensor VCC Error
<b>B2458</b>	Power Striker Motor and Switch Error
<b>B2459</b>	Latch Motor and Switch Error
<b>B2460</b>	Drive Motor and Hall Sensor Error
<b>B2465</b>	LDM(Led Drive Module) Fault Left
<b>B2466</b>	LDM(Led Drive Module) Fault Right
<b>B2467</b>	E-Comp Wait Mode
<b>B2468</b>	E-Comp Sleep Mode
<b>B247100</b>	Vibration Motor Fault
<b>B247200</b>	SLB Motor Fail
<b>B2500</b>	SRS Warning Lamp Failure
<b>B2500</b>	Warning lamp Failure
<b>B2500</b>	Warning Lamp Failure H
<b>B250000</b>	Warning lamp Failure
<b>B2501</b>	Air Conditioning(A/C)Indicator
<b>B2501</b>	Warning lamp open
<b>B250100</b>	Warning lamp open
<b>B2502</b>	Warning Lamp 2
<b>B2502</b>	Passenger Airbag Telltale Lamp Failure
<b>B250200</b>	Passenger Airbag Telltale Lamp Failure
<b>B2503</b>	Warning Lamp Open or Short to Ground
<b>B250300</b>	Warning Lamp Open or Short to Ground
<b>B2504</b>	Warning Lamp Short or Short to Battery
<b>B250400</b>	Warning Lamp Short or Short to Battery
<b>B2505</b>	Passenger Airbag on/off Warning Lamp Failure
<b>B250500</b>	Passenger Airbag on/off Warning Lamp Failure
<b>B2506</b>	Passenger airbag Telltale lamp Circuit open
<b>B250600</b>	Passenger airbag Telltale lamp Circuit open
<b>B2507</b>	Passenger airbag Telltale lamp open or short to ground
<b>B2507</b>	Passenger airbag Telltale lamp Circuit open or short to ground
<b>B250700</b>	Passenger airbag Telltale lamp Circuit open or short to ground
<b>B2508</b>	Passenger airbag Telltale lamp short or short to battery

Trouble code	Fault location
<b>B2508</b>	Passenger airbag Telltale lamp Circuit short or short to battery
<b>B250800</b>	Passenger airbag Telltale lamp Circuit short or short to battery
<b>B2509</b>	Passenger Airbag on/off warning lamp Open or Short to Ground
<b>B250900</b>	Passenger Airbag on/off warning lamp Open or Short to Ground
<b>B250E</b>	Static Bending Lamp RH Short to Ground
<b>B250F</b>	Static Bending Lamp LH Short to Ground
<b>B2510</b>	Right Headlamp High Circuit Short to Ground
<b>B251000</b>	Head Lamp High RH SCG
<b>B2511</b>	Left Headlamp High Circuit Short to Ground
<b>B251100</b>	Head Lamp High LH SCG
<b>B2512</b>	Right Headlamp Low Circuit Short to Ground
<b>B251200</b>	Head Lamp Low RH SCG
<b>B2513</b>	Left Headlamp Low Circuit Short to Ground
<b>B251300</b>	Head Lamp Low LH SCG
<b>B2514</b>	External Tail Lamp RH Circuit Short to Ground
<b>B251400</b>	External Tail Lamp RH Circuit Short to Ground
<b>B2515</b>	External Tail Lamp LH Circuit Short to Ground
<b>B251500</b>	External Tail Lamp LH Circuit Short to Ground
<b>B2516</b>	Front Fog Lamp Circuit Short to Ground
<b>B251600</b>	Front Fog Lamp Circuit Short to Ground
<b>B2517</b>	Internal Tail Lamp Circuit Short to Ground
<b>B251700</b>	Internal Tail Lamp Circuit Short to Ground
<b>B2518</b>	Turn Signal LH Front Open Circuit
<b>B251800</b>	Turn Signal LH Front Open Circuit
<b>B2519</b>	Turn Signal LH Rear Open Circuit
<b>B251900</b>	Turn Signal LH Rear Open Circuit
<b>B251A00</b>	Rear Fog Lamp SCG
<b>B251D00</b>	Stop Lamp Right Circuit Short to Ground
<b>B251E00</b>	Stop Lamp Left Circuit Short to Ground
<b>B251F00</b>	High Mounted Stop Lamp Short to Ground
<b>B2520</b>	Turn Signal RH Front Open Circuit
<b>B252000</b>	Turn Signal RH Front Open Circuit
<b>B2521</b>	Brake Circuit Open or Fuse Fail
<b>B2521</b>	Turn Signal RH Rear Open Circuit
<b>B252100</b>	Turn Signal RH Rear Open Circuit
<b>B2522</b>	Turn Signal LH Front Circuit Short to Ground
<b>B252200</b>	Turn Signal LH Front Short to Ground

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B2523</b>	Turn Signal LH Rear Circuit Short to Ground
<b>B252300</b>	Turn Signal LH Rear Short to Ground
<b>B2524</b>	Brake Lamp Open
<b>B2524</b>	Turn Signal RH Front Circuit Short to Ground
<b>B252400</b>	Turn Signal RH Front Short to Ground
<b>B2525</b>	Illumination Error
<b>B2525</b>	Turn Signal RH Rear Circuit Short to Ground
<b>B252500</b>	Turn Signal RH Rear Short to Ground
<b>B2529</b>	Driver Door Courtesy Lamp Error
<b>B2533</b>	Assistant Door Courtesy Lamp Error
<b>B2535</b>	Right Turn Signal Lamp Short to Ground
<b>B2537</b>	Right Turn Signal Lamp Open
<b>B2539</b>	Left Turn Signal Lamp Short to Ground
<b>B2541</b>	Left Turn Signal Lamp Open
<b>B254200</b>	Static Bending Lamp LH Short to GND
<b>B2543</b>	Right Head Lamp(Low Beam) Short to Ground
<b>B2545</b>	Right Head Lamp(High Beam) Circuit Open
<b>B2547</b>	Left Headlamp(High Beam) Short to Ground
<b>B2549</b>	Left Headlamp(High Beam) Open
<b>B255000</b>	Static Bending Lamp RH Short to GND
<b>B2551</b>	Right Head Lamp(Low Beam) Short to Ground
<b>B2553</b>	Right Head Lamp(Low Beam) Circuit Open
<b>B2555</b>	Left Headlamp(Low Beam) Short to Ground
<b>B2557</b>	Left Headlamp(Low Beam) Open
<b>B2558</b>	Passenger Airbag on/off warning lamp Short or Short to Battery
<b>B255800</b>	Passenger Airbag on/off warning lamp Short or Short to Battery
<b>B2559</b>	Right Front Fog Lamp Short to Ground
<b>B255900</b>	Front Fog Lamp Right Circuit Short to Ground
<b>B2561</b>	Right Front Fog Lamp Open
<b>B2563</b>	CAN Timeout Between SMK and ADM
<b>B256300</b>	Front Fog Lamp Left Circuit Short to Ground
<b>B2565</b>	Left Front Fog Lamp Open
<b>B2567</b>	Rear Fog Lamp Short to Ground
<b>B2569</b>	Rear Fog Lamp Open
<b>B2571</b>	Right Park Lamp Short to Ground
<b>B2573</b>	Right Park Lamp Open
<b>B2575</b>	Left Park Lamp Short to Ground

Trouble code	Fault location
<b>B2577</b>	Left Park Lamp Open
<b>B2579</b>	Rear RH Tail Lamp Circuit Short To Ground
<b>B2581</b>	Rear RH Tail Lamp Circuit Open
<b>B2583</b>	Rear LH Tail And LH/RH License Lamp Circuit Short To Ground
<b>B2585</b>	Rear LH Tail And LH/RH License Lamp Circuit Open
<b>B2587</b>	Back Up Lamp Short to Ground
<b>B2589</b>	Back Up Lamp Open
<b>B2598</b>	Right Rear Blower Switch Illumination Circuit Open
<b>B2599</b>	Right Rear Blower Switch Illumination Circuit Short to Ground
<b>B259A00</b>	IR Lamp RH SCG
<b>B259B00</b>	IR Lamp LH SCG
<b>B259C00</b>	IR Lamp RH Open
<b>B259D00</b>	IR Lamp LH Open
<b>B2800</b>	MM CAN Bus Off Error
<b>B280000</b>	CAN Bus Off Error M-CAN
<b>B280000</b>	MM CAN Bus Off Error
<b>B2800XX</b>	MM CAN Bus Off Error
<b>B2801</b>	MM CAN Single Line Error
<b>B280100</b>	CAN Single Line Error M-CAN
<b>B280100</b>	MM CAN Single Line Error
<b>B2801XX</b>	MM CAN Single Line Error
<b>B2802</b>	No Response NM Message (RSE_R)
<b>B280200</b>	MM CAN Limp Home Status
<b>B2803</b>	No Response NM Message (AMP)
<b>B280300</b>	No Response NM Message (AMP)
<b>B280300</b>	Timeout Multimedia CAN Message (AMP)
<b>B2804</b>	No Response NM Message (IPM/DATC)
<b>B280400</b>	CAN Time-Out DATC
<b>B280400</b>	Timeout Multimedia CAN Message(DATC)
<b>B2805</b>	No Response NM Message (TMU/T-BOX/CUBiS)
<b>B280500</b>	CAN Time-Out IBOX
<b>B280500</b>	Timeout Multimedia CAN Message (TMU/T-BOX/CUBiS)
<b>B2806</b>	No Response NM Message (MON)
<b>B280600</b>	Timeout Multimedia CAN Message (MON)
<b>B2807</b>	No Response NM Message (RSE_L)
<b>B280700</b>	Timeout Multimedia CAN Message (RSE)
<b>B2808</b>	No Response NM Message (CCP)
<b>B280800</b>	Timeout Multimedia CAN Message (CCP)

Trouble code	Fault location
<b>B2809</b>	No Response NM Message (RRC)
<b>B280900</b>	Timeout Multimedia CAN Message (RRC)
<b>B2810</b>	No Response NM Message (PGS/AVM/RearCam)
<b>B281000</b>	CAN Time-Out AVM/PGS
<b>B281000</b>	Timeout Multimedia CAN Message(PGS/AVM/FRMS)
<b>B2811</b>	No Response NM Message (RSE_R)
<b>B281100</b>	Timeout Multimedia CAN Message (RSE_R)
<b>B2819</b>	USB Line Break
<b>B2820</b>	NAVI MAP File Error
<b>B2821</b>	Voice Recognition DB File Error
<b>B2822</b>	Sound Path State Information Error
<b>B2823</b>	Push SW Type Stuck Error
<b>B2824</b>	Front MIC Connection Error
<b>B282400</b>	Front MIC Connection Error
<b>B2825</b>	FM2 Radio Antenna Short State(Sub Ant)
<b>B2826</b>	GPS Antenna Short State
<b>B2827</b>	GPS Antenna Open State
<b>B282700</b>	GPS Antenna Open State
<b>B2828</b>	FM2 Radio Antenna No Connection State(Sub Ant)
<b>B2829</b>	Communication error with Radio control module
<b>B2830</b>	Radio Application Error
<b>B2831</b>	Communication error with DMB/TPEG control module
<b>B2832</b>	DMB/TPEG Application Error
<b>B2835</b>	DVDP DECK Connection Error
<b>B2836</b>	DVDP CD Application Error
<b>B2837</b>	GPS Module Connection Error
<b>B2838</b>	XM Communication Error
<b>B2839</b>	XM Data Channel Communication Error
<b>B2840</b>	BT Module Communication Error
<b>B284000</b>	BT Module Communication Error
<b>B2841</b>	USB Communication Error
<b>B284100</b>	USB File Reading Fail
<b>B284100</b>	USB Communication Error
<b>B2842</b>	iPOD Communication Error
<b>B2843</b>	AUX Connection Error
<b>B284300</b>	AUX Detection Fail
<b>B284300</b>	AUX Communication Error
<b>B2844</b>	AUX Video Input Signal Error

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>B2845</b>	LCD Power Voltage Error
<b>B2846</b>	LVDS Lock State
<b>B2847</b>	Touch Control IC Communication Error
<b>B2848</b>	XM Antenna Short State
<b>B2849</b>	XM Antenna Open State
<b>B284900</b>	XM Antenna Open State
<b>B2850</b>	DMB Antenna Short State
<b>B2851</b>	DMB Antenna No Connection State
<b>B285100</b>	DMB Antenna Open State
<b>B2852</b>	Room Mirror Key Detect T-BOX Circuit Error
<b>B285200</b>	Room Mirror Key Detect T-BOX Circuit Error
<b>B285300</b>	No HUD Flection Correction(HUD Not Warped)
<b>B2854</b>	HSDPA USB Communication Error
<b>B285400</b>	High Speed Downlink Packet Access (HSDPA) USB Communication Error
<b>B285400</b>	HSDPA USB Communication Error
<b>B2855</b>	RS-422 Communication Error
<b>B2856</b>	Room Mirror Push SW Type Stuck Error
<b>B285600</b>	Room Mirror Push SW Type Stuck Error
<b>B2857</b>	VIN Information Error
<b>B2858</b>	RR MIC Connection Error
<b>B285800</b>	RR MIC Connection Error
<b>B2859</b>	CDMA Modem Fail
<b>B2860</b>	Microphone Fail
<b>B2916</b>	WIBRO USB Communication
<b>B2917</b>	WI-FI USB Communication
<b>B2918</b>	WI-FI RF Communication
<b>B2943</b>	FL Speaker Connection Error
<b>B294300</b>	FL Speaker Connection Error
<b>B2944</b>	FR Speaker Connection Error
<b>B294400</b>	FR Speaker Connection Error
<b>B2945</b>	RL Speaker Connection Error
<b>B294500</b>	RL Speaker Connection Error
<b>B2946</b>	RR Speaker Connection Error
<b>B294600</b>	RR Speaker Connection Error
<b>B2949</b>	Radio Antenna Connection & Receive Quality
<b>B294900</b>	Radio Antenna Connection & Receive Quality
<b>B2950</b>	DMB Antenna Connection & Receive Quality
<b>B295000</b>	DMB Antenna Connection & Receive Quality

Trouble code	Fault location
<b>B295100</b>	DAB Antenna Connection & Receive Quality
<b>B295400</b>	Rear USB Communication Error
<b>B2955</b>	No Response NM Message (Cluster)
<b>B295500</b>	Timeout Multimedia CAN Message (Cluster)
<b>B295600</b>	Timeout Multimedia CAN Message (HUD)
<b>B2957</b>	No Response NM Message (Clock)
<b>B295700</b>	Timeout Multimedia CAN Message (Clock)
<b>B296400</b>	Communication Error With HD Radio Module
<b>B296600</b>	MOST Critical Unlock Detected
<b>B2973</b>	AM/FM1 Radio Antenna No Connection State(Main Ant.)
<b>B297900</b>	WI-FI SDIO Communication Error
<b>B298000</b>	C-CAN Error
<b>B298200</b>	Airbag Crash Output Line Error
<b>B298300</b>	HD Module SDIO Communication Error

## C Codes

<b>C0001</b>	TCS Control Channel “A” Valve 1 (Subfault)
<b>C0002</b>	TCS Control Channel “A” Valve 2 (Subfault)
<b>C0003</b>	TCS Control Channel “B” Valve 1 (Subfault)
<b>C0004</b>	TCS Control Channel “B” Valve 2 (Subfault)
<b>C0010</b>	Left Front Inlet Control (Subfault)
<b>C0011</b>	Left Front Outlet Control (Subfault)
<b>C0012</b>	Left Front Hydraulic Release Too Long (Subfault)
<b>C0014</b>	Right Front Inlet Control (Subfault)
<b>C0015</b>	Right Front Outlet Control (Subfault)
<b>C0016</b>	Right Front Hydraulic Release Too Long (Subfault)
<b>C0018</b>	Left Rear Inlet Control (Subfault)
<b>C0019</b>	Left Rear Outlet Control (Subfault)
<b>C001A</b>	Left Rear Hydraulic Release Too Long (Subfault)
<b>C001C</b>	Right Rear Inlet Control (Subfault)
<b>C001D</b>	Right Rear Outlet Control (Subfault)
<b>C001E</b>	Right Rear Hydraulic Release Too Long (Subfault)
<b>C0020</b>	ABS Pump Motor Control (Subfault)
<b>C0021</b>	Brake Booster Performance (Subfault)
<b>C0022</b>	Brake Booster Solenoid (Subfault)
<b>C0023</b>	Stop Lamp Control (Subfault)
<b>C0030</b>	Left Front Tone Wheel (Subfault)
<b>C0031</b>	Left Front Wheel Speed Sensor (Subfault)

Trouble code	Fault location
<b>C0032</b>	Left Front Wheel Speed Sensor Supply (Subfault)
<b>C0033</b>	Right Front Tone Wheel (Subfault)
<b>C0034</b>	Right Front Wheel Speed Sensor (Subfault)
<b>C0035</b>	Wheel Speed Sensor Front-LH Circuit Malfunction
<b>C0036</b>	Left Rear Tone Wheel (Subfault)
<b>C0037</b>	Left Rear Wheel Speed Sensor (Subfault)
<b>C0038</b>	Left Rear Wheel Speed Sensor Supply (Subfault)
<b>C0039</b>	Right Rear Tone Wheel (Subfault)
<b>C003A</b>	Right Rear Wheel Speed Sensor (Subfault)
<b>C003B</b>	Right Rear Wheel Speed Sensor Supply (Subfault)
<b>C003C</b>	Rear Tone Wheel (Subfault)
<b>C003D</b>	Rear Wheel Speed Sensor (Subfault)
<b>C003E</b>	Rear Wheel Speed Sensor Supply (Subfault)
<b>C0040</b>	Wheel Speed Sensor Front-RH Circuit Malfunction
<b>C0041</b>	Brake Pedal Switch “B” (Subfault)
<b>C0042</b>	Brake Pedal Position Sensor “Circuit A” (Subfault)
<b>C0043</b>	Brake Pedal Position Sensor “Circuit B” (Subfault)
<b>C0044</b>	Brake Pressure Sensor “A” (Subfault)
<b>C0045</b>	Wheel Speed Sensor Rear-LH Circuit Malfunction
<b>C0046</b>	Brake Pressure Sensor “A”/”B” (Subfault)
<b>C0047</b>	Brake Booster Pressure Sensor (Subfault)
<b>C0048</b>	Brake Booster Travel Sensor (Subfault)
<b>C0049</b>	Brake Fluid (Subfault)
<b>C004A</b>	Brake Lining Wear Sensor (Subfault)
<b>C0050</b>	Wheel Speed Sensor Rear-RH Circuit Malfunction
<b>C0051</b>	Steering Wheel Position Sensor (Subfault)
<b>C0052</b>	Steering Wheel Position Sensor “Signal A” (Subfault)
<b>C0053</b>	Steering Wheel Position Sensor “Signal B” (Subfault)
<b>C0054</b>	Steering Wheel Position Sensor “Signal C” (Subfault)
<b>C0055</b>	Steering Wheel Position Sensor “Signal D” (Subfault)
<b>C0060</b>	Front-LH ABS Solenoid or Motor #1 Circuit Malfunction (Outlet Valve)
<b>C0061</b>	Lateral Acceleration Sensor (Subfault)
<b>C0062</b>	Longitudinal Acceleration Sensor (Subfault)
<b>C0063</b>	Yaw Rate Sensor (Subfault)
<b>C0064</b>	Roll Rate Sensor
<b>C0065</b>	Front-LH ABS Solenoid or Motor #2 Circuit Malfunction (Inlet Valve)
<b>C0069</b>	Yaw Rate/Longitude Sensors (Subfault)

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C006A</b>	Multi-axis Acceleration Sensor (Subfault)
<b>C006B</b>	Stability System Active Too Long (Subfault)
<b>C006C</b>	Stability System
<b>C0070</b>	Front-RH ABS Solenoid or Motor #1 Circuit Malfunction (Outlet Valve)
<b>C0071</b>	2/4 Wheel Drive Status Input (Subfault)
<b>C0072</b>	Brake Temperature Too High (Subfault)
<b>C0073</b>	Delivered Driving Torque (Subfault)
<b>C0074</b>	Requested Driving Torque (Subfault)
<b>C0075</b>	Front-RH ABS Solenoid or Motor #2 Circuit Malfunction (Inlet valve)
<b>C0076</b>	PWM for Traction Control (Subfault)
<b>C0077</b>	Low Tire Pressure (Subfault)
<b>C0078</b>	Tire Diameter (Subfault)
<b>C0079</b>	Variable Effort Steering (Subfault)
<b>C0080</b>	Rear-LH ABS Solenoid or Motor #1 Circuit Malfunction (Outlet Valve)
<b>C0081</b>	ABS Malfunction Indicator (Subfault)
<b>C0082</b>	Brake System Malfunction Indicator (Subfault)
<b>C0083</b>	Tire Pressure Monitor Malfunction Indicator (Subfault)
<b>C0084</b>	Traction Active Indicator (Subfault)
<b>C0085</b>	Rear-LH ABS Solenoid or Motor #2 Circuit Malfunction (Inlet Valve)
<b>C0086</b>	Vehicle Dynamics Indicator (Subfault)
<b>C0089</b>	TCS Disable Switch (Subfault)
<b>C008A</b>	TCS Mode Control (Subfault)
<b>C0090</b>	Right Rear ABS Solenoid or Motor #1 Circuit Malfunction(Outlet Valve)
<b>C0095</b>	Rear-RH ABS Solenoid or Motor #2 Circuit Malfunction (Inlet Valve)
<b>C0110</b>	Electrical(Pump-Motor) Circuit Malfunction
<b>C0121</b>	Valve Relay Circuit Malfunction
<b>C0161</b>	ABS Brake Switch Circuit Malfunction
<b>C0245</b>	Wheel Speed Sensor Frequency Error
<b>C0550</b>	ECM Error
<b>C0800</b>	Device Power #1(Low Current #1)Circuit Malfunction
<b>C1100</b>	Battery Voltage(VB)
<b>C1100</b>	Battery Voltage
<b>C1101</b>	Battery Voltage-High
<b>C1101</b>	Battery Voltage High

Trouble code	Fault location
<b>C1101</b>	Battery Voltage High
<b>C1101</b>	TCS5 message timeout
<b>C110100</b>	Battery Voltage High
<b>C110117</b>	Battery Voltage High
<b>C1102</b>	Battery Voltage-Low
<b>C1102</b>	Battery Voltage Low
<b>C1102</b>	Battery Voltage Low
<b>C1102</b>	Battery Voltage Low
<b>C1102</b>	ESP2 message timeout
<b>C110200</b>	Battery Voltage Low
<b>C110216</b>	Battery Voltage Low
<b>C110216</b>	Battery Voltage Low
<b>C1103</b>	Voltage Range-Under/Over
<b>C1103</b>	Ignition Voltage
<b>C1103</b>	Ignition Voltage Fault
<b>C1103</b>	Battery Voltage Out of Range
<b>C1103</b>	SAS1 message timeout
<b>C1103</b>	Ignition Signal Failure
<b>C1104</b>	IG. Voltage Over Voltage.
<b>C1104</b>	EMS2 message timeout
<b>C1105</b>	IG. Voltage Low Voltage.
<b>C1105</b>	TCU1 message timeout
<b>C1106</b>	Alternator 'L' Terminal
<b>C1106</b>	Alternator "L" Terminal Voltage
<b>C1106</b>	CLU2 message timeout
<b>C1107</b>	Alternator 'L' Over Voltage.
<b>C1107</b>	TCS1 message timeout
<b>C1108</b>	Alternator 'L' Low Voltage.
<b>C1109</b>	Condenser Voltage. Over Range
<b>C1109</b>	Ignition Voltage Fault
<b>C1109</b>	Ignition Open
<b>C1109</b>	LDWS1 message timeout
<b>C110A</b>	ACU1 message timeout
<b>C110B</b>	SCC3 message timeout
<b>C1110</b>	Condenser Over Voltage
<b>C1111</b>	Condenser Low Voltage.
<b>C1112</b>	Sensor Power Source Voltage.
<b>C1112</b>	Sensor Power Voltage

Trouble code	Fault location
<b>C1112</b>	Torque Sensor-Supply Voltage Malfunction
<b>C1112</b>	Sensor Supply Voltage Error
<b>C1112</b>	Sensor Source Voltage
<b>C1112</b>	Sensor Supply Voltage Malfunction
<b>C1113</b>	5V Source Over Voltage.
<b>C1113</b>	5V Sensor Power Fail
<b>C1114</b>	5V Source Low Voltage.
<b>C1114</b>	12V Sensor Power Fail
<b>C1115</b>	Power GND
<b>C1116</b>	Sensor GND
<b>C1121</b>	Front Left Sensor Battery Voltage Low
<b>C1121</b>	Sensor 1 Battery Voltage Low
<b>C1122</b>	Front Right Sensor Battery Voltage Low
<b>C1122</b>	Sensor 2 Battery Voltage Low
<b>C1123</b>	Sensor 3 Battery Voltage Low
<b>C1123</b>	Rear Left Sensor Battery Voltage Low
<b>C1124</b>	Sensor 4 Battery Voltage Low
<b>C1124</b>	Rear Right Sensor Battery Voltage Low
<b>C1125</b>	Spare Sensor Battery Low
<b>C1125</b>	Sensor 5 Battery Voltage Low
<b>C1125</b>	Spare Wheel Sensor Battery Voltage Low
<b>C1126</b>	Vehicle/Receiver Battery Low
<b>C1126</b>	TPMS ECU Battery Voltage Low
<b>C1127</b>	Vehicle/Receiver Battery High
<b>C1127</b>	TPMS ECU Battery Voltage High
<b>C1161</b>	Brake Switch Circuit
<b>C1161</b>	Brake Switch Circuit
<b>C1200</b>	Front Left(FL) Sensor-Open Or Short
<b>C1200</b>	Wheel Speed Sensor Front-LH Open/Short
<b>C1201</b>	Front (FL) Sensor-Speed Jump
<b>C1201</b>	Wheel Speed Sensor Front-LH Range / Performance / Intermittent
<b>C1202</b>	Front Left(FL) Wheel Speed Sensor-Airgap
<b>C1202</b>	Wheel Speed Sensor Front-LH Invalid/no Signal
<b>C1202</b>	Wheel Speed Sensor Front-LH Invalid/no Signal
<b>C1203</b>	Front Right(FR) Sensor-Open Or Short
<b>C1203</b>	Wheel Speed Sensor Front-RH Open/Short
<b>C1204</b>	Front Right(FR) Sensor-Speed Jump



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C1204</b>	Wheel Speed Sensor Front-RH Range / Performance / Intermittent
<b>C1205</b>	Front Right(FR) Wheel Speed Sensor-Airgap
<b>C1205</b>	Wheel Speed Sensor Front-RH Invalid/no Signal
<b>C1206</b>	Rear Left(RL) Sensor-Open Or Short
<b>C1206</b>	Wheel Speed Sensor Rear-LH Open/Short
<b>C1207</b>	Rear Left(RL) Sensor-Speed Jump
<b>C1207</b>	Wheel Speed Sensor Rear-LH Range / Performance / Intermittent
<b>C1208</b>	Rear Left(RL) Wheel Speed Sensor-Airgap
<b>C1208</b>	Wheel Speed Sensor Rear-LH Invalid/no Signal
<b>C1209</b>	Rear Right(RR) Sensor-Open Or Short
<b>C1209</b>	Wheel Speed Sensor Rear-RH Open/Short
<b>C120A11</b>	LED Right Circuit Short to Ground
<b>C120B</b>	Signal Accelerator position Sensor CAN not valid
<b>C120B15</b>	LED Right Circuit Short to Battery or Open
<b>C120C</b>	Signal Seat_belt_Driver not valid
<b>C120C11</b>	LED Left Circuit Short to Ground
<b>C120D</b>	Signal Seat_belt_Passenger not valid
<b>C120D15</b>	LED Left Circuit Short to Battery or Open
<b>C120F</b>	Message Count or Checksum not correct
<b>C1210</b>	Rear Right(RR) Sensor-Speed Jump
<b>C1210</b>	Wheel Speed Sensor Rear-RH Range / Performance / Intermittent
<b>C1211</b>	Rear Right(RR) Wheel Speed Sensor-Airgap
<b>C1211</b>	Wheel Speed Sensor Rear-RH Invalid/no Signal
<b>C1211</b>	Signal Passenger Buckled Input State not valid
<b>C1212</b>	Vehicle Speed Sensor
<b>C1212</b>	Vehicle Speed Sensor
<b>C1212</b>	First Speed Input Fault
<b>C1212</b>	Vehicle Speed Sensor Fail
<b>C1212</b>	Signal Driver Buckled Input State not valid
<b>C1212</b>	Vehicle Speed Sensor "A"
<b>C1213</b>	Vehicle Speed Sensor(VSS) - Abnormal
<b>C1213</b>	Wheel Speed Frequency Error (Generic Wheel Speed Error)
<b>C1213</b>	Wheel Speed Frequency Error
<b>C1213</b>	Seat_belt_Driver (0x690) and Driver Buckled Input State (0x5A) not plausible
<b>C1214</b>	Vehicle Speed Sensor(VSS) - Low Input

Trouble code	Fault location
<b>C1214</b>	Seat_belt_Passenger (0x690) and Passenger Buckled Input State (0x5A) not plausible
<b>C1215</b>	Vehicle Speed Sensor(VSS) - High Input
<b>C1216</b>	Pulse Generator(PG)-B Sensor
<b>C1217</b>	Pulse Generator(PG)-B Sensor - Abnormal
<b>C1218</b>	Pulse Generator(PG)-B Sensor - No Signal
<b>C1219</b>	Throttle Position Sensor(TPS)
<b>C121A08</b>	Driver Side Indicator Circuit Failure
<b>C121B08</b>	Driver Side Indicator Signal Failure (LIN failure)
<b>C121C87</b>	DDM Timeout
<b>C121D08</b>	Assistant Side Indicator Circuit Failure
<b>C121E08</b>	Assistant Side Indicator Signal Failure (LIN failure)
<b>C121F87</b>	ADM Timeout
<b>C1220</b>	Throttle Position Sensor(TPS) - Abnormal
<b>C1221</b>	Throttle Position Sensor(TPS) - Low Input
<b>C1222</b>	Throttle Position Sensor(TPS) - High Input
<b>C1223</b>	ASC Potentiometer
<b>C1224</b>	ASC Potentiometer - Abnormal
<b>C1225</b>	ASC Potentiometer - Low Input
<b>C1226</b>	ASC Potentiometer - High Input
<b>C1227</b>	Throttle Valve Assembly
<b>C1228</b>	Throttle Valve Assembly Mechanical.
<b>C1229</b>	Throttle Valve Assembly Electrical.
<b>C1230</b>	Pressure Sensor
<b>C1230</b>	Pressure sensor
<b>C1230</b>	Signal Yaw Rate or Acceleration AX or Acceleration AY or Brakepressure State not valid
<b>C1231</b>	Low Pressure Sensor
<b>C1232</b>	High Pressure Sensor
<b>C1233</b>	Front Pressure Sensor
<b>C1233</b>	High Pressure Accumulator Short Term Charge Error
<b>C1234</b>	Rear Pressure Sensor
<b>C1234</b>	High Pressure Accumulator Long Term Charge Error
<b>C1235</b>	Front Height Sensor
<b>C1235</b>	Primary Pressure Sensor-Electrical
<b>C1236</b>	Front Height Sensor Abnormal.
<b>C1236</b>	EMS Indicates Invalid Engine Speed
<b>C1236</b>	High Pressure Accumulator Low Pressure Error
<b>C1237</b>	Front Height Sensor Low

Trouble code	Fault location
<b>C1237</b>	Primary Pressure Sensor-Signal
<b>C1238</b>	Front Height Sensor High
<b>C1239</b>	Rear Height Sensor
<b>C1240</b>	Rear Height Sensor Abnormal.
<b>C1240</b>	Second Speed Input Fault
<b>C1240</b>	Signal SAS_Angle not Valid or Signal SAS MsgCount or Checksum not Correct
<b>C1241</b>	Rear Height Sensor Low
<b>C1241</b>	TCS Message Fault
<b>C1241</b>	Force Sensor Failure
<b>C1242</b>	Rear Height Sensor High
<b>C1242</b>	Force Sensor Not Calibrated
<b>C1243</b>	Front Left(FL) Height Sensor
<b>C1243</b>	Height Sensor - Front Left
<b>C1244</b>	Front Left(FL) Height Sensor Abnormal
<b>C1245</b>	Front Left(FL) Height Sensor Low
<b>C1245</b>	Wheel Speed Frequency Error
<b>C1246</b>	Front Left(FL) Height Sensor High
<b>C1246</b>	Height Sensor Supply Voltage Failure - LH
<b>C1247</b>	Front Right(FR) Height Sensor
<b>C1247</b>	Height Sensor - Front Right
<b>C1248</b>	Front Right(FR) Height Sensor Abnormal
<b>C1249</b>	Front Right(FR) Height Sensor Low
<b>C1249</b>	Height Sensor Front-RH Circuit
<b>C1250</b>	Front Right(FR) Height Sensor High
<b>C1250</b>	Height Sensor Supply Right / Pressure Sensor General Electrical Failure
<b>C1251</b>	Rear Left(RL) Height Sensor
<b>C1251</b>	Height Sensor - Rear Left
<b>C1252</b>	Rear Left(RL) Height Sensor Abnormal
<b>C1253</b>	Rear Left(RL) Height Sensor Low
<b>C1254</b>	Rear Left(RL) Height Sensor High
<b>C1255</b>	Rear Right(RR) Height Sensor
<b>C1255</b>	Height Sensor - Rear Right
<b>C1255</b>	Height Sensor Range Over
<b>C1256</b>	Rear Right(RR) Height Sensor Abnormal
<b>C1256</b>	EMS Indicates CAN Engine Torque Intervention Fault
<b>C1257</b>	Rear Right(RR) Height Sensor Low
<b>C1258</b>	Rear Right(RR) Height Sensor High

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C1258</b>	Magnet Setting Error
<b>C1259</b>	Steering Sensor
<b>C1259</b>	Steering Angle Sensor-Electrical
<b>C1259</b>	Steering Angle Sensor - Electrical Malfunction
<b>C1259</b>	Steering Angle Sensor Circuit-Signal
<b>C1260</b>	Steering Sensor - Abnormal
<b>C1260</b>	Steering Angle Sensor Circuit-Signal
<b>C1260</b>	Steering Angle Sensor-Signal
<b>C1260</b>	Internal Signal not Plausible
<b>C1261</b>	Steering Sensor - Low
<b>C1261</b>	Steering Angle Sensor Not Calibrated
<b>C1262</b>	Steering Sensor - High
<b>C1262</b>	Temperature Sensor Failure
<b>C1263</b>	Water Temperature Sensor
<b>C1264</b>	Water Temperature Sensor- Abnormal
<b>C1265</b>	Water Temperature Sensor- Low Input
<b>C1266</b>	Water Temperature Sensor- High Input
<b>C1267</b>	Oil Temperature. Sensor
<b>C1268</b>	Oil Temperature. Sensor Abnormal
<b>C1268</b>	Brake Fluid Low Fail
<b>C1269</b>	Oil Temperature. Sensor Low
<b>C1270</b>	Oil Temperature. Sensor High
<b>C1270</b>	Temperature / Overload
<b>C1271</b>	Engine Speed
<b>C1272</b>	Engine Speed - Abnormal
<b>C1272</b>	Engine Speed Input-Malfunction
<b>C1273</b>	Engine Speed - No Signal
<b>C1274</b>	G Sensor Signal-Fail
<b>C1274</b>	Longitudinal G sensor Circuit
<b>C1274</b>	Longitudinal G sensor Signal Fail
<b>C1274</b>	Longitudinal G sensor open/short
<b>C1274</b>	Longitudinal G Sensor Range/Performance error
<b>C1275</b>	G Sensor-Open Or Short
<b>C1275</b>	Longitudinal Acceleration Sensor
<b>C1275</b>	Longitudinal G sensor Signal Fail
<b>C1275</b>	Longitudinal G Sensor Range/Performance error
<b>C1276</b>	G Sensor Signal Low
<b>C1277</b>	G Sensor Signal High

Trouble code	Fault location
<b>C1278</b>	G-Sensor(Front Left(FL))
<b>C1278</b>	Acceleration Sensor Front-LH Malfunction
<b>C1278</b>	G - Sensor (Front Left)
<b>C1279</b>	G-Sensor(Front Right(FR))
<b>C1279</b>	Acceleration Sensor Front-RH Malfunction
<b>C1279</b>	G - Sensor (Front Right)
<b>C1281</b>	G-Sensor(Rear Right(RR))
<b>C1281</b>	Acceleration sensor Rear-LH Malfunction
<b>C1281</b>	Acceleration sensor Rear-RH Malfunction
<b>C1281</b>	G - Sensor (Rear)
<b>C1281</b>	Acceleration Sensor Rear
<b>C1282</b>	Yaw Rate & G Sensor-Electrical
<b>C1282</b>	Yaw Rate & G Sensor-Signal
<b>C1283</b>	Yaw Rate & G Sensor-Signal
<b>C1283</b>	Yaw Rate & G Sensor-Signal
<b>C128381</b>	Lateral G Sensor/Longitudinal G Sensor/Yaw Rate Sensor - Signal Error
<b>C1284</b>	G - Sensor Voltage Failure
<b>C1284</b>	Acceleration Sensor Voltage Failure
<b>C1285</b>	G-SNSR Calibration Error
<b>C1285</b>	Longitudinal G Sensor Not Calibrated
<b>C1285</b>	Longitudinal G Sensor Not Calibrated
<b>C1286</b>	Yaw Rate & G Sensor Fail-Check SRSCM
<b>C1290</b>	Torque Sensor Main Signal-Open/Short
<b>C1290</b>	Torque Sensor Main Signal-Open/Short
<b>C1290</b>	Torque Sensor Signal Fail
<b>C1290</b>	Torque sensor main signal fail
<b>C1290</b>	Torque Sensor Main Signal Fault
<b>C1291</b>	Torque Sensor Sub Signal-Open/Short
<b>C1291</b>	Torque Sensor Sub Signal-Open/Short
<b>C1291</b>	Torque Sensor Sub Signal Fail
<b>C1292</b>	Torque Sensor Signal Mismatch-MainSub
<b>C1292</b>	Torque Sensor Signal Mismatch-Main&Sub
<b>C1292</b>	Torque Sensor Signal Fail-Main & Sub
<b>C1293</b>	Wheel Acceleration sensor front-LH
<b>C1294</b>	Wheel Acceleration sensor front-RH
<b>C1300</b>	TPMS ECU IRX not responding
<b>C1300</b>	LF/RF External Interference Failure
<b>C1301</b>	Unmonitored Tire Installed

Trouble code	Fault location
<b>C1301</b>	Unmonitored Tire Installed
<b>C1306</b>	Internal vehicle RF source e.g. scanner
<b>C1310</b>	Last run was broken(Retracton)
<b>C1312</b>	Sensor 1 Radio Frequency Channel Failure
<b>C1312</b>	Front Left Sensor RF Channel Failure
<b>C1313</b>	Sensor 2 Radio Frequency Channel Failure
<b>C1313</b>	Front Right Sensor RF Channel Failure
<b>C1314</b>	Sensor 3 Radio Frequency Channel Failure
<b>C1314</b>	Rear Left Sensor RF Channel Failure
<b>C1315</b>	Sensor 4 Radio Frequency Channel Failure
<b>C1315</b>	Rear Right Sensor RF Channel Failure
<b>C1316</b>	Spare Sensor RF Channel Fail
<b>C1316</b>	Sensor 5 Radio Frequency Channel Failure
<b>C1316</b>	Spare Wheel Radio Frequency Failure
<b>C1317</b>	Left Front Sensor Wrong Type Install
<b>C1317</b>	Sensor 1 Wrong Type Installed
<b>C1318</b>	Right Front Sensor Wrong Type Install
<b>C1318</b>	Sensor 2 Wrong Type Installed
<b>C1319</b>	Left Rear Sensor Wrong Type Install
<b>C1319</b>	Sensor 3 Wrong Type Installed
<b>C1320</b>	Right Rear Sensor Wrong Type Install
<b>C1320</b>	Sensor 4 Wrong Type Installed
<b>C1320</b>	Data from EEPROM not Valid or Hardware Defects
<b>C1321</b>	Spare Sensor Wrong Type Install
<b>C1321</b>	Sensor 5 Wrong Type Installed
<b>C1322</b>	Front Left Sensor Over Temperature
<b>C1322</b>	Sensor 1 Over Temperature
<b>C1323</b>	Front Right Sensor Over Temperature
<b>C1323</b>	Sensor 2 Over Temperature
<b>C1324</b>	Rear Left Sensor Over Temperature
<b>C1324</b>	Sensor 3 Over Temperature
<b>C1325</b>	Rear Right Sensor Over Temperature
<b>C1325</b>	Sensor 4 Over Temperature
<b>C1326</b>	Spare Sensor Over Temperature
<b>C1326</b>	Sensor 5 Over Temperature
<b>C1332</b>	Sensor 1 Fault
<b>C1332</b>	Front Left Sensor Fault
<b>C1333</b>	Sensor 2 Fault

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C1333</b>	Front Right Sensor Fault
<b>C1334</b>	Rear Left Sensor Fault
<b>C1334</b>	Sensor 3 Fault
<b>C1334</b>	Left Rear Sensor Fault
<b>C1335</b>	Sensor 4 Fault
<b>C1335</b>	Rear Right Sensor Fault
<b>C1336</b>	Spare Sensor Hardware Fail
<b>C1336</b>	Sensor 5 Fault
<b>C1336</b>	Spare Wheel Sensor Fault
<b>C1337</b>	Left Front LFI Pulse Fail Detect
<b>C1337</b>	Left Front Low Frequency Initiator Fail Pulse Detected
<b>C1338</b>	Right Front LFI Pulse Fail Detect
<b>C1338</b>	Right Front Low Frequency Initiator Fail Pulse Detected
<b>C1339</b>	Left Rear LFI Pulse Fail Detect
<b>C1339</b>	Left Rear Low Frequency Initiator Fail Pulse Detected
<b>C1339</b>	Right Rear Low Frequency Initiator Fail Pulse Detected
<b>C1340</b>	Right Rear LFI Pulse Fail Detect
<b>C1340</b>	Right Rear Low Frequency Initiator Fail Pulse Detected
<b>C1341</b>	Left Front LFI Channel Fail
<b>C1341</b>	Auto Location Failure FL
<b>C1341</b>	Left Front Low Frequency Initiator Channel Failure
<b>C1342</b>	Right Front LFI Channel Fail
<b>C1342</b>	Auto Location Failure FR
<b>C1342</b>	Right Front Low Frequency Initiator Channel Failure
<b>C1343</b>	Left Rear LFI Channel Fail
<b>C1343</b>	Auto Location Failure RL
<b>C1343</b>	Left REAR Low Frequency Initiator Channel Failure
<b>C1344</b>	Right Rear LFI Channel Fail
<b>C1344</b>	Auto Location Failure RR
<b>C1344</b>	Right Rear Low Frequency Initiator Channel Failure
<b>C1345</b>	Front LF Failure
<b>C1346</b>	Rear LF Failure
<b>C1351</b>	Left Front LFI Open/Short
<b>C1351</b>	Left Front Low Frequency Initiator Open/Short Failure
<b>C1352</b>	Right Front LFI Open/Short
<b>C1352</b>	Right Front Low Frequency Initiatorl Open/Short Failure
<b>C1353</b>	Left Rear LFI Open/Short
<b>C1353</b>	Left Rear Low Frequency Initiator Open/Short Failure

Trouble code	Fault location
<b>C1353</b>	Pressure sensor (Wh1) - electrical
<b>C1353</b>	Right Rear Low Frequency Initiator Open/Short Failure
<b>C1354</b>	Right Rear Low Frequency Initiator Open/Short Failure
<b>C1354</b>	Pressure sensor (Wh1) - other
<b>C1355</b>	Multi Sensor ID's Received
<b>C1355</b>	Multiple Sensor ID's Received(Cross Talk)
<b>C1355</b>	Pressure sensor (Wh2) - electrical
<b>C1356</b>	Pressure sensor (Wh2) - other
<b>C1357</b>	SCC or DBF deceleration plausibility error
<b>C1358</b>	AVH Switch Error
<b>C1358</b>	AVH not Available due to EPB in Emergency Release
<b>C1359</b>	SCC Control Unit Error
<b>C1360</b>	ESP Torque Control Disable
<b>C1360</b>	ESP Irreversible Error
<b>C1361</b>	Camera H/W Failure
<b>C1362</b>	Camera Signal Failure
<b>C1363</b>	Camera Signal Error for Calibration
<b>C1364</b>	Not found Reference Point
<b>C1365</b>	Invalid Reference Point
<b>C1367</b>	Internal Signal not Plausible
<b>C1378</b>	Brake Pedal Travel Sensor-Electrical
<b>C1379</b>	Brake Pedal Travel Sensor-Signal
<b>C1380</b>	Brake Pedal Travel Sensor Not Calibrated
<b>C1380</b>	Pedal Signal not Calibrated
<b>C1381</b>	Sensor Internal Error
<b>C1384</b>	Pressure Sensor not Calibrated
<b>C1385</b>	Vacuum Sensor-Electrical
<b>C1386</b>	Vacuum Sensor-Signal
<b>C1404</b>	CAN Bus Off
<b>C1410</b>	Undervoltage Detected
<b>C1420</b>	Overvoltage Detected
<b>C1430</b>	Overtemperature Detected
<b>C1500</b>	Air Conditioning(A/C)Switch
<b>C1501</b>	Cruise Switch
<b>C1501</b>	Switch Failure
<b>C150101</b>	Switch Failure
<b>C1502</b>	ECS Switch
<b>C1502</b>	ECS Switch Fault

Trouble code	Fault location
<b>C1503</b>	Traction Control System(TCS) Switch Failure
<b>C1503</b>	TCS/ESC(ESP) Switch Error
<b>C1504</b>	Pressure Switch
<b>C1505</b>	Low Pressure Switch
<b>C1506</b>	Idle Switch
<b>C1506</b>	Closed Throttle Position Switch
<b>C1507</b>	Accel Switch
<b>C1508</b>	Inhibitor Switch
<b>C1509</b>	Door Switch
<b>C1509</b>	Door Switch Fault
<b>C1510</b>	Manual Switch
<b>C1511</b>	Head Lamp Switch
<b>C1512</b>	High Pressure Switch
<b>C1513</b>	Brake Switch
<b>C1513</b>	Brake Switch Circuit Error
<b>C1513</b>	Brake Switch Circuit Error
<b>C1514</b>	Cancel Switch
<b>C1514</b>	Valve Switch-ON Time Exceeded
<b>C1515</b>	Control Switch
<b>C1516</b>	Vehicle Height Hip Switch
<b>C1517</b>	Back Up Lamp Switch
<b>C1518</b>	Water Temperature Switch
<b>C1519</b>	Oil Temperature Switch
<b>C1520</b>	Clutch Switch
<b>C1520</b>	Clutch Signal Error
<b>C1521</b>	Mode Select Switch(2wd/4wd)
<b>C1522</b>	Head Lamp Light Signal Line Open
<b>C1522</b>	Headlamp Switch Signal Line Open
<b>C1525</b>	ECS Switch Signal Open/Short
<b>C1525</b>	ECS Switch Signal Line Open/Short
<b>C1526</b>	Down Hill Brake Control(DBC) Switch Error
<b>C1527</b>	Neutral Switch Error
<b>C1527</b>	Reverse Gear Signal Error
<b>C153211</b>	LKAS Switch Failure
<b>C153212</b>	LKAS Switch Failure
<b>C153286</b>	LKAS Switch Failure
<b>C1600</b>	Transmit (Tx) Line
<b>C160000</b>	CAN Line Error in C-CAN Bus

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C1601</b>	Receive(Rx) Line
<b>C1602</b>	K' Line
<b>C1603</b>	L' Line
<b>C1603</b>	EPS Thermal Protection
<b>C1603</b>	ECU Internal Thermal & Voltage Error
<b>C1603</b>	Derating (EPS Thermal Protection)
<b>C1603</b>	ECU thermal protection
<b>C1603</b>	Derating (EPS Thermal Protection)
<b>C1604</b>	ECM Hardware Error
<b>C1604</b>	ECU(Brake System) Hardware error
<b>C1604</b>	ECU Hardware Error
<b>C1604</b>	EPS Module(pre-charge circuit) Malfunction
<b>C160449</b>	ECU Hardware Error
<b>C1605</b>	CAN Hardware Error
<b>C1605</b>	CAN Hardware Error
<b>C1605</b>	CAN Bus OFF
<b>C1606</b>	ECM Software
<b>C1606</b>	ECU Software Error
<b>C160649</b>	ECU Software Error
<b>C1607</b>	Communication Line-Checking
<b>C1608</b>	Communication Line-Vacc I Vent Fail
<b>C1609</b>	ABS Fail Signal
<b>C160A</b>	Local CAN Bus Off
<b>C160A88</b>	BSD Local CAN bus off
<b>C160A88</b>	Local CAN Bus Off
<b>C160B00</b>	CAN Line Error in C-CAN Bus
<b>C160C</b>	Local CAN Time-out
<b>C160C87</b>	Local CAN Time-out
<b>C160E</b>	P-CAN Bus Off
<b>C160E00</b>	CAN Bus Off P-CAN
<b>C160F00</b>	CAN Bus Off D-CAN
<b>C1610</b>	CAN Bus Off Error
<b>C1610</b>	CAN Bus OFF
<b>C1610</b>	TCS-TCU communication line or TCS side malfunction
<b>C1610</b>	Immobilizer-Smartra Error
<b>C1611</b>	CAN Timeout EMS
<b>C1611</b>	Lost Communication with ECM
<b>C1611</b>	CAN Time-out EMS

Trouble code	Fault location
<b>C1611</b>	Vehicle signal(VSS) time out
<b>C1611</b>	CAN Time-out EMS
<b>C161100</b>	CAN Time-out EMS
<b>C161187</b>	CAN Time-out EMS
<b>C1612</b>	CAN Timeout TCM
<b>C1612</b>	Lost Communication With TCM
<b>C1612</b>	Ventilation Solenoid Valve Electrical
<b>C1612</b>	CAN Time-out TCU
<b>C1612</b>	CAN Time-out TCM
<b>C161200</b>	CAN Time-out TCU
<b>C161287</b>	CAN Time-out TCU
<b>C1613</b>	CAN Transmission Unmatch
<b>C1613</b>	Vehicle signal(VSS) time out
<b>C1613</b>	CAN Wrong Message
<b>C1613</b>	CAN signal error EMS (Check EMS)
<b>C1613</b>	CAN signal error ECM (Check ECM)
<b>C1613</b>	CAN Signal Error EMS
<b>C1613</b>	CAN signal error EMS
<b>C1613</b>	ECM-Failure
<b>C161381</b>	CAN Signal Error EMS
<b>C161381</b>	CAN signal error EMS
<b>C161386</b>	CAN Signal Error EMS
<b>C1614</b>	CAN Time-Out IVSS MODE
<b>C1614</b>	CAN time-out HCU/VCU/FCU
<b>C1615</b>	ABS-TOD Communication Line Error
<b>C1615</b>	ABS-TOD Communication Line Error
<b>C1616</b>	CAN Bus OFF
<b>C1616</b>	CAN Bus OFF(C-CAN)
<b>C1616</b>	C-CAN Bus OFF
<b>C1616</b>	CAN Bus Off
<b>C1616</b>	CAN Communication Bus Off
<b>C161600</b>	CAN Bus OFF C-CAN
<b>C161600</b>	CAN Bus OFF(C-CAN)
<b>C161600</b>	C-CAN Bus OFF
<b>C161687</b>	CAN Bus OFF
<b>C161688</b>	CAN Bus OFF(C-CAN)
<b>C161688</b>	C-CAN Bus OFF
<b>C1616XX</b>	C-CAN Bus OFF

Trouble code	Fault location
<b>C1617</b>	EMS Invalid Engine Speed
<b>C1618</b>	EMS CAN Engine Torque Error
<b>C1619</b>	EMS Plausibility Fault
<b>C1620</b>	First Setup Not Completed
<b>C1620</b>	ALIGNMENT FAILED
<b>C1620</b>	1st Set-up Not Completed
<b>C1620</b>	1st Set-up Not Completed(Height Sensor Not Calibrated)
<b>C1621</b>	Vehicle Speed Sensor Fail
<b>C1621</b>	Excessive Operating TEMP.
<b>C1622</b>	Engine Speed Signal
<b>C1622</b>	EMS invalid vehicle speed
<b>C1623</b>	Lost Communication with Steering Angle Sensor
<b>C1623</b>	CAN Time-out Steering Angle Sensor
<b>C162385</b>	CAN Time-out Steering Angle Sensor
<b>C162387</b>	CAN Time-out Steering Angle Sensor
<b>C1624</b>	CAN not-OK Steering angle sensor
<b>C1625</b>	Lost Communication With Anti-Lock Brake System (ABS) Control Module
<b>C1625</b>	CAN Time-Out ABS/ESP
<b>C1625</b>	CAN Time-out ABS/ESC
<b>C1625</b>	CAN Time-out ABS/ESC(ESP)
<b>C162500</b>	CAN Time-Out ABS/ESP
<b>C162500</b>	CAN time-out ESC
<b>C162581</b>	CAN Time-Out ABS/ESP
<b>C162585</b>	CAN Time-Out ABS/ESP
<b>C162587</b>	CAN Time-Out ABS/ESP
<b>C162587</b>	CAN Time-out ABS/ESC(ESP)
<b>C1626</b>	Implausible Control
<b>C1627</b>	4WD CAN Signal or Communication Error
<b>C1627</b>	CAN Time-out 4WD
<b>C162700</b>	CAN Time-out 4WD
<b>C1628</b>	CAN Time-out Cluster
<b>C1628</b>	CAN Time-out Cluster
<b>C162800</b>	CAN Time-out Cluster
<b>C162887</b>	CAN Time-out Cluster
<b>C1629</b>	Cluster Invalid Counter
<b>C162A</b>	CAN Time-Out Cluster for Driving Mode
<b>C1631</b>	Torque Sensor Main Signal Fault
<b>C1632</b>	Torque Sensor Sub Signal Fail



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C1632</b>	Cluster Control Switch Fail
<b>C1633</b>	Torque Sensor Signal Fail-Main & Sub
<b>C1633</b>	Cluster Invalid Displayed Speed
<b>C1634</b>	Torque Sensor Voltage Fail
<b>C1634</b>	Speed Correction Signal Error
<b>C1635</b>	TCS Invalid Counter
<b>C1636</b>	TCS Invalid ACCEL_REF_ACC
<b>C1637</b>	TCS Invalid aBasis
<b>C1638</b>	CAN Time-Out SCC
<b>C1638</b>	ACC communication error
<b>C1639</b>	Lane Prediction Error
<b>C1640</b>	CAN Message Failure - Dashboard
<b>C1640</b>	CAN Time-out Cluster
<b>C1641</b>	Motor Short or Open
<b>C1641</b>	CAN Signal Error ECM
<b>C1642</b>	Motor Current Over
<b>C1642</b>	CAN Message Failure - ABS/ESC(ESP)
<b>C1642</b>	CAN Signal Error ESC(ESP)
<b>C1642</b>	CAN signal error ESC
<b>C1642</b>	CAN Message Failure - Brake
<b>C164281</b>	CAN Message Failure - Brake
<b>C164286</b>	CAN Message Failure - Brake
<b>C1643</b>	Motor Current Excessive
<b>C1643</b>	CAN Time-out Yaw Rate & G Sensor
<b>C1645</b>	Motor Current Short
<b>C1646</b>	CAN signal error TCU
<b>C1646</b>	CAN Message Failure - TCU
<b>C164681</b>	CAN Message Failure - TCU
<b>C164686</b>	CAN Message Failure - TCU
<b>C1647</b>	CAN Hardware Error - Sensor Channel
<b>C1647</b>	CAN Hardware Error - Sensor Channel
<b>C1648</b>	CAN signal error ECM for SCC (Check ECM)
<b>C1649</b>	CAN time-out ECM for SCC (Check ECM)
<b>C1650</b>	CAN signal error SCC
<b>C1651</b>	CAN time-out EPB
<b>C165100</b>	CAN time-out EPB
<b>C1652</b>	ECU Fail-Safe Relay Fail
<b>C1652</b>	CAN signal error EPB

Trouble code	Fault location
<b>C1653</b>	CAN time-out Cluster for SCC (Check Cluster)
<b>C1653</b>	CAN Time-out Cluster for SCC
<b>C1654</b>	CAN time-out Cluster for AVH (Check Cluster)
<b>C1654</b>	CAN Time-out Cluster for EPB
<b>C1655</b>	CAN signal error TCM for AVH (Check TCM)
<b>C1656</b>	CAN Invalid Sportmode
<b>C1656</b>	CAN Signal Error Cluster
<b>C165686</b>	CAN Signal Error Cluster
<b>C165900</b>	CAN Time-Out SAS
<b>C1660</b>	Receiver RF Circuit Fail
<b>C1660</b>	Receiver Radio Frequency Circuit Failure
<b>C1661</b>	Receiver EEPROM Fail
<b>C1661</b>	Receiver EEPROM Failure
<b>C1662</b>	Auto Learning failure
<b>C1663</b>	Auto Location Failure
<b>C1664</b>	Initiator/LF/RF Circuit Failure Not Affecting RSSI Level(High Line Only)
<b>C166400</b>	CAN Signal Error SCC for VSM
<b>C1665</b>	Initiator supply short circuit to GND
<b>C1666</b>	Initiator supply short circuit to 12V OR Open circuit
<b>C166700</b>	CAN Time-Out SCC
<b>C1668</b>	Watchdog Reset
<b>C1668</b>	Internal Failure Detection
<b>C166800</b>	Internal Failure Detection
<b>C1669</b>	Speedometer input circuit short to Ground
<b>C166900</b>	CAN Time-Out ACU
<b>C166800</b>	CAN time-out Wheel Speed Sensor
<b>C166D00</b>	CAN time-out HUD
<b>C1670</b>	Auto Learning Failure
<b>C1671</b>	Front Initiator Data Open / Short to GND
<b>C167100</b>	Signal Yaw Rate or Acceleration AX or Acceleration AY or Brakepressure State not Valid
<b>C167181</b>	Signal Yaw Rate or Acceleration AX or Acceleration AY or Brakepressure State not valid
<b>C1672</b>	Rear Initiator Data Open / Short to GND
<b>C167286</b>	SAS Message Counter Error
<b>C1673</b>	WHEEL_FR Failure
<b>C167300</b>	Signal Seat Belt Driver Not Valid (CGW/SRSCM)
<b>C1674</b>	WHEEL_FR Time Out

Trouble code	Fault location
<b>C167400</b>	Signal Seat Belt Passenger Not Valid (CGW/SRSCM)
<b>C167500</b>	Signal Wheel (FL or FR or RL or RR) not Valid
<b>C1680</b>	VSM EBS Error
<b>C168100</b>	LDWS System State Not valid
<b>C168200</b>	Signal Passenger Buckled Input State Not Valid
<b>C168300</b>	Signal Driver Buckled Input State not Valid
<b>C1687</b>	CAN Time-out VSM2 (MDPS)
<b>C168700</b>	CAN Time-Out MDPS
<b>C168785</b>	CAN Time-out VSM2 (MDPS)
<b>C168787</b>	CAN Time-out VSM2 (MDPS)
<b>C1688</b>	VSM2 (MDPS) Signal Error
<b>C168886</b>	VSM2 (MDPS) Signal Error
<b>C1689</b>	CAN Time-out VSM
<b>C1690</b>	Invalid CAN Data VSM
<b>C1692</b>	CAN Time-out VSM
<b>C1692</b>	CAN time-out ESC
<b>C1693</b>	CAN Signal Error VSM
<b>C1696</b>	CAN time-out SPAS
<b>C169600</b>	CAN time-out SPAS
<b>C1697</b>	CAN Message Failure - SPAS
<b>C1698</b>	CAN time-out ECS
<b>C169800</b>	CAN time-out ECS
<b>C1699</b>	ECS CAN Signal Error
<b>C1700</b>	Parameter Error
<b>C1700</b>	Gear Shift Malfunction
<b>C1700</b>	Byte Coding Error
<b>C1702</b>	Variant Coding Error
<b>C170246</b>	Variant Coding Error
<b>C170255</b>	Variant Coding Error
<b>C1704</b>	Fail Safe Relay - Failure
<b>C1704</b>	ECU Fail-Safe Relay Fail
<b>C1704</b>	EPS Module(fail safe relay stuck) Malfunction
<b>C1704</b>	st Module(Fail Safe Relay Stuck)
<b>C1705</b>	ECU Pre-Charge Circuit Fail
<b>C1705</b>	ECU Precharge Circuit Fault
<b>C1706</b>	A Vehicle Body Distortion
<b>C1707</b>	A Vehicle Body Lopsidedness
<b>C1708</b>	Level Control Disabled

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C1709</b>	Level Control Out of Range / Target Level not Applicable
<b>C170A11</b>	Activation Switch LED Circuit short to ground
<b>C170B12</b>	Activation Switch LED Circuit short to battery or open
<b>C170C04</b>	ECU Hardware error (REAR RIGHT)
<b>C170D04</b>	ECU Hardware error (REAR LEFT)
<b>C1710</b>	Assembly-line Setup is still Active
<b>C1710</b>	Assembly-line Setup is still Active
<b>C1711</b>	Improper program termination
<b>C173300</b>	Undervoltage Detected
<b>C173500</b>	Overtemperature Detected
<b>C174000</b>	Variant Coding Error - PSB
<b>C1741</b>	ESC-not available VSM (Check ESC)
<b>C1742</b>	Variant Error - ESC (Check ESC)
<b>C174305</b>	Software Mis-Match
<b>C174342</b>	Software Mis-Match
<b>C1800</b>	CAN time-out AHB
<b>C1804</b>	CAN time out LKAS
<b>C180400</b>	CAN time out LKAS
<b>C1805</b>	CAN Signal Failure LKAS
<b>C1805</b>	LKAS CAN Signal Error
<b>C1806</b>	CAN Time-out MCU
<b>C1807</b>	Sub CAN bus off
<b>C1809</b>	CAN time-out PSB
<b>C180900</b>	CAN time-out PSB
<b>C180A00</b>	CAN Time-Out C_STS
<b>C180B00</b>	CAN Time-Out CGW1
<b>C180C00</b>	CAN Time-Out CGW_CPX
<b>C180E</b>	CAN Signal Error Buckle CGW
<b>C180E00</b>	CAN Signal Error Buckle CGW
<b>C1812</b>	CAN Time-out Gateway
<b>C181200</b>	CAN Time-out Gateway
<b>C181287</b>	CAN Time-out Gateway
<b>C181400</b>	CAN Message Failure - SAS
<b>C1816</b>	CAN Time-Out CGW1
<b>C181686</b>	CAN time-out SJB
<b>C181687</b>	CAN time-out SJB
<b>C1817</b>	CAN Signal Error Gateway
<b>C181787</b>	CAN Signal Error Gateway

Trouble code	Fault location
<b>C181800</b>	CAN Time-Out LCA
<b>C181900</b>	CAN Time-Out TPMS
<b>C181A00</b>	CAN Time-Out AAF
<b>C181B00</b>	CAN Time-Out AHLS
<b>C181C00</b>	CAN Time-Out LVR
<b>C181D00</b>	CAN Time-Out EVP
<b>C181E00</b>	All ECUs of C-CAN are absent
<b>C181F00</b>	All ECUs of P-CAN are absent
<b>C1822</b>	CAN Time-Out NAVI for SCC
<b>C1823</b>	NAVI Invalid Signal for SCC
<b>C2003</b>	Maximum retractions exceeded(PSB)
<b>C2100</b>	Motor Relay
<b>C2101</b>	Motor Relay - Abnormal
<b>C2101</b>	Motor Relay
<b>C2101</b>	Motor relay circuit
<b>C2102</b>	Motor Relay - Stuck On
<b>C2103</b>	Motor Relay - Electrical
<b>C2104</b>	System Relay
<b>C2105</b>	System Relay - Abnormal
<b>C2106</b>	System Relay - Stuck On
<b>C2107</b>	System Relay - Electrical
<b>C2108</b>	Compressor Relay
<b>C2108</b>	Compressor Relay
<b>C2109</b>	Compressor Relay Abnormal
<b>C2110</b>	Compressor Relay Stuck On
<b>C2111</b>	Compressor Relay Electrical.
<b>C2112</b>	Valve Relay Or Fuse-Fail.
<b>C2112</b>	Valve Relay Error
<b>C2112</b>	Main Relay Circuit
<b>C2113</b>	Valve Relay Abnormal
<b>C2114</b>	Disturbance-Valve Failures
<b>C2114</b>	Disturbance-Valve Failures
<b>C2114</b>	Inlet/Outlet Valve
<b>C2115</b>	Valve Relay Electrical
<b>C2116</b>	Main Pump Relay
<b>C2117</b>	Main Pump Relay Abnormal
<b>C2118</b>	Main Pump Relay Stuck On
<b>C2119</b>	Main Pump Relay Electrical

Trouble code	Fault location
<b>C2120</b>	Servo Pump Relay
<b>C2121</b>	Servo Pump Relay Abnormal
<b>C2122</b>	Servo Pump Relay Stuck On
<b>C2123</b>	Servo Pump Relay Elec.
<b>C2124</b>	Actuator Relay
<b>C2124</b>	Actuator Relay
<b>C2126</b>	Vacuum Pump Relay Drive Pin Open/Short
<b>C2130</b>	Brake Lamp Relay Error
<b>C2131</b>	ESS Brake Lamp Relay Error
<b>C2200</b>	Actuator
<b>C2201</b>	Actuator - Abnormal
<b>C2202</b>	Actuator - Stuck On
<b>C2202</b>	Latching Failure / Mechanics
<b>C2203</b>	Actuator - Electrical
<b>C2203</b>	CDC Actuator Failure - Front Left
<b>C2203</b>	CDC Actuator Failure - FL
<b>C2204</b>	Front Actuator
<b>C2204</b>	CDC Actuator Failure - Front Right
<b>C2205</b>	Front Actuator Abnormal
<b>C2205</b>	CDC Actuator Failure - Rear Left
<b>C2205</b>	CDC Actuator Failure - RL
<b>C2206</b>	Front Actuator Stuck On
<b>C2206</b>	CDC Actuator Failure - Rear Right
<b>C2206</b>	CDC Actuator Failure - RR
<b>C2207</b>	Front Actuator Electrical
<b>C2208</b>	Rear Actuator
<b>C2209</b>	Rear Actuator Abnormal
<b>C2210</b>	Rear Actuator Stuck On
<b>C2211</b>	Rear Actuator Electrical
<b>C2212</b>	Actuator-Front Left(FL)
<b>C2212</b>	Front-LH Actuator Malfunction
<b>C2213</b>	Front Left(FL) Actuator - Abnormal
<b>C2214</b>	Front Left(FL) Actuator - Stuck On
<b>C2215</b>	Front Left(FL) Actuator - Electrical
<b>C2216</b>	Actuator-Front Right(FR)
<b>C2216</b>	Front-RH Actuator Malfunction
<b>C2217</b>	Front Right(FR) Actuator - Abnormal
<b>C2218</b>	Front Right(FR) Actuator - Stuck On

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C2219</b>	Front Right(FR) Actuator - Electrical
<b>C2220</b>	Actuator-Rear Left(RL)
<b>C2220</b>	Rear-LH Actuator Malfunction
<b>C2221</b>	Rear Left(RL) Actuator - Abnormal
<b>C2222</b>	Rear Left(RL) Actuator - Stuck On
<b>C2222</b>	Actuator Failure - 4WD
<b>C2223</b>	Rear Left(RL) Actuator - Electrical
<b>C222386</b>	MDPS Steering Control Failure
<b>C2224</b>	Actuator-Rear Right(RR)
<b>C2224</b>	Rear-RH Actuator Malfunction
<b>C2224</b>	Rear-RH (or rear) actuator circuit
<b>C2225</b>	Rear Right(RR) Actuator - Abnormal
<b>C2226</b>	Rear Right(RR) Actuator - Stuck On
<b>C2226</b>	Output Voltage Short to Battery or Short to Ground
<b>C2227</b>	Rear Right(RR) Actuator - Electrical
<b>C2227</b>	Excessive Temperature Of Brake Disc
<b>C2228</b>	CAN signal error TCM for SCC (Check TCM)
<b>C2229</b>	Actuator Failure - EMS
<b>C2230</b>	Solenoid Malfunction
<b>C2231</b>	Vacuum Pump System Fail
<b>C2240</b>	Unknown Actuator State
<b>C2243</b>	Gear Fault
<b>C2300</b>	Front Valve
<b>C2301</b>	Front Valve - Abnormal
<b>C2302</b>	Front Valve - Stuck On
<b>C2302</b>	Solenoid Valve Failure - Front Left
<b>C2302</b>	Air Spring Valve-FL Open/Short
<b>C2303</b>	Front Valve - Electrical
<b>C2303</b>	Solenoid Valve Failure - Front Right
<b>C2303</b>	Air Spring Valve-FR Open/Short
<b>C2304</b>	Rear Valve
<b>C2305</b>	Rear Valve - Abnormal
<b>C2306</b>	Rear Valve - Stuck On
<b>C2306</b>	Solenoid Valve Failure - Rear Left
<b>C2306</b>	Air Spring Valve-RL Open/Short
<b>C2307</b>	Rear Valve - Electrical
<b>C2307</b>	Solenoid Valve Failure - Rear Right
<b>C2307</b>	Air Spring Valve-RR Open/Short

Trouble code	Fault location
<b>C2308</b>	Front Left(FL) Valve (In)
<b>C2308</b>	Front-LH Valve error (Inlet Valve)
<b>C2309</b>	Front Left(FL) Valve (In) - Abnormal
<b>C2310</b>	Front Left(FL) Valve (In) - Stuck On
<b>C2311</b>	Front Left(FL) Valve (In) - Electrical
<b>C2312</b>	Front Left(FL) Valve (Out)
<b>C2312</b>	Front-LH Valve error (Outlet Valve)
<b>C2313</b>	Front Left(FL) Valve (Out) - Abnormal
<b>C2314</b>	Front Left(FL) Valve (Out) - Stuck On
<b>C2315</b>	Front Left(FL) Valve (Out) - Electrical.
<b>C2316</b>	Front Right(FR) Valve (In)
<b>C2316</b>	Front-RH Valve error (Inlet Valve)
<b>C2317</b>	Front Right(FR) Valve (In) - Abnormal
<b>C2318</b>	Front Right(FR) Valve (In) - Stuck On
<b>C2319</b>	Front Right(FR) Valve (In) - Electrical
<b>C2320</b>	Front Right(FR) Valve (Out)
<b>C2320</b>	Front-RH Valve error (Outlet Valve)
<b>C2321</b>	Front Right(FR) Valve (Out) - Abnormal
<b>C2322</b>	Front Right(FR) Valve (Out) - Stuck On
<b>C2323</b>	Front Right(FR) Valve (Out) - Electrical.
<b>C2324</b>	Rear Left(RL) Valve (In)
<b>C2324</b>	Rear-LH Valve error (Inlet Valve)
<b>C2325</b>	Rear Left(RL) Valve (In) - Abnormal
<b>C2326</b>	Rear Left(RL) Valve (In) - Stuck On
<b>C2327</b>	Rear Left(RL) Valve (In) - Electrical
<b>C2328</b>	Rear Left(RL) Valve (Out)
<b>C2328</b>	Rear-LH Valve error (Outlet Valve)
<b>C2329</b>	Rear Left(RL) Valve (Out) - Abnormal
<b>C2330</b>	Rear Left(RL) Valve (Out) - Stuck On
<b>C2331</b>	Rear Left(RL) Valve (Out) - Electrical.
<b>C2332</b>	Rear Right(RR) Valve (In)
<b>C2332</b>	Rear-RH Valve error (Inlet Valve)
<b>C2333</b>	Rear Right(RR) Valve (In) - Abnormal
<b>C2334</b>	Rear Right(RR) Valve (In) - Stuck On
<b>C2335</b>	Rear Right(RR) Valve (In) - Electrical
<b>C2336</b>	Rear Right(RR) Valve (Out)
<b>C2336</b>	Rear-RH Valve error (Outlet Valve)
<b>C2337</b>	Rear Right(RR) Valve (Out) - Abnormal

Trouble code	Fault location
<b>C2338</b>	Rear Right(RR) Valve (Out) - Stuck On
<b>C2338</b>	Reverse Valve 1 Failure
<b>C2339</b>	Rear Right(RR) Valve (Out) - Electrical.
<b>C2339</b>	Reverse Valve 2 Failure
<b>C2340</b>	Throttle Valve
<b>C2341</b>	Throttle Valve - Abnormal
<b>C2342</b>	Throttle Valve - Stuck On
<b>C2342</b>	Ambience Valve Failure
<b>C2343</b>	Throttle Valve - Electrical.
<b>C2344</b>	Supply Valve
<b>C2345</b>	Supply Valve - Abnormal
<b>C2346</b>	Supply Valve - Stuck On
<b>C2347</b>	Supply Valve - Electrical
<b>C2348</b>	Exhaust Valve
<b>C2349</b>	Exhaust Valve - Abnormal
<b>C2350</b>	Exhaust Valve - Stuck On
<b>C2351</b>	Exhaust Valve - Electrical
<b>C2352</b>	Front Supply/Exhaust Valve
<b>C2353</b>	Front Supply/Exhaust Valve AB
<b>C2354</b>	Front Supply/Exhaust Valve ST
<b>C2355</b>	Front Supply/Exhaust Valve EL
<b>C2356</b>	Rear Supply/Exhaust Valve
<b>C2357</b>	Rear Supply/Exhaust Valve AB
<b>C2358</b>	Rear Supply/Exhaust Valve ST
<b>C2359</b>	Rear Supply/Exhaust Valve EL
<b>C2360</b>	Flow Level Control Valve
<b>C2361</b>	Flow Level Control Valve AB
<b>C2362</b>	Flow Level Control Valve ST
<b>C2363</b>	Flow Level Control Valve EL
<b>C2364</b>	Shift Control Solenoid Valve(SCSV)- A
<b>C2365</b>	Shift Control Solenoid Valve(SCSV)- B
<b>C2366</b>	TC Front Left Valve
<b>C2366</b>	TC Valve Primary (USV1) Error
<b>C2367</b>	TC Front Left Valve-AB
<b>C2368</b>	TC Front Left Valve-ST
<b>C2369</b>	TC Front Left Valve-EL
<b>C2370</b>	TC Front Right Valve
<b>C2370</b>	TC Valve Secondary (USV2) Error

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>C2371</b>	TC Front Right Valve-AB
<b>C2372</b>	TC Front Right Valve-ST
<b>C2372</b>	Electronic Shuttle Valve Primary (HSV1) Error
<b>C2373</b>	TC Front Right Valve-EL
<b>C2374</b>	Electronic Shuttle Valve Secondary (HSV2) Error
<b>C2380</b>	ABS / TCS / ESP Valve Malfunction
<b>C2380</b>	Solenoid Valve Error
<b>C2380</b>	ABS/TCS/ESC(ESP) Valve Error
<b>C2400</b>	Motor
<b>C2400</b>	Motor
<b>C2400</b>	Motor Fault - Motor Not Running
<b>C2401</b>	Motor - Abnormal
<b>C2401</b>	Motor Circuit
<b>C2401</b>	Motor Position Sensor Error
<b>C2401</b>	Motor circuit
<b>C2402</b>	Pump Motor
<b>C2402</b>	Electrical(Pump-Motor) Circuit Malfunction
<b>C2402</b>	Motor Electrical
<b>C2403</b>	Servo Motor
<b>C2404</b>	Servo Motor - Abnormal
<b>C2404</b>	Servo Motor Circuit
<b>C2405</b>	Servo Motor - Electrical
<b>C2406</b>	Stepping Motor
<b>C2407</b>	Stepping Motor - Abnormal
<b>C2408</b>	Stepping Motor - Electrical
<b>C2409</b>	Compressor
<b>C2409</b>	Compressor Overtemperature
<b>C2409</b>	Compressor Overtemperature Detected
<b>C2410</b>	Compressor - Abnormal
<b>C2411</b>	Compressor - Electrical
<b>C2412</b>	Motor Circuit-Short to Battery
<b>C2412</b>	Motor Short or Open
<b>C2412</b>	Motor circuit - Short to Battery or Ground
<b>C2412</b>	Motor Circuit-Short to Battery
<b>C2413</b>	Motor Current Malfunction
<b>C2413</b>	Motor Current Over
<b>C2413</b>	Motor Current - Overflow
<b>C2413</b>	Motor Current Malfunction

Trouble code	Fault location
<b>C2413</b>	Motor current fail
<b>C2414</b>	Motor Current Fail (current excessive)
<b>C2414</b>	Motor Current Excessive
<b>C2414</b>	Motor Current-Excessive Overflow
<b>C2415</b>	Motor Current not Connect
<b>C2415</b>	Motor Current-Insufficient Flow
<b>C2415</b>	Motor Current not Connect
<b>C2416</b>	Motor Short or Open - LH
<b>C2417</b>	Motor Short or Open - RH
<b>C2418</b>	Motor Stall - LH
<b>C2420</b>	Motor temperature sensor high input
<b>C2421</b>	Motor Temperature Sensor Low Input
<b>C242600</b>	PSB LH Motor Open
<b>C242700</b>	PSB RH Motor Open
<b>C242800</b>	PSB LH Motor Wire Short
<b>C242900</b>	PSB RH Motor Wire Short
<b>C242A00</b>	PSB LH Motor Wire Short to Battery
<b>C242B00</b>	PSB LH Motor Wire Short to GND
<b>C242C00</b>	PSB RH Motor Wire Short to Battery
<b>C242D00</b>	PSB RH Motor Wire Short to GND
<b>C242E00</b>	PSB Retractor Operating Fail
<b>C2500</b>	Warning Lamp
<b>C2501</b>	Warning Lamp Diode
<b>C2502</b>	Ex-High Indicator
<b>C2503</b>	High Indicator
<b>C2504</b>	Normal Indicator
<b>C2505</b>	Low Indicator
<b>C2506</b>	Soft Indicator
<b>C2507</b>	Medium Indicator
<b>C2508</b>	Hard Indicator
<b>C2509</b>	TCS Indicator
<b>C2510</b>	Trace Off Indicator
<b>C2510</b>	Tread Lamp Circuit Fail
<b>C2510</b>	TREAD LAMP open/short circuit
<b>C2510</b>	Tread Lamp Circuit Failure
<b>C2511</b>	TCS Off Indicator
<b>C2511</b>	Diagnostic Lamp Circuit Fail
<b>C2511</b>	Diagnostic(TPMS) Lamp Circuit Failure

Trouble code	Fault location
<b>C2511</b>	MIL Hard Wired LED Short / Open Circuit
<b>C2512</b>	Low Beam Indicator
<b>C2512</b>	Indicator Left Front Circuit Fail
<b>C2512</b>	Front Left Lamp Short/Open Circuit
<b>C2513</b>	High Beam Indicator
<b>C2513</b>	Indicator Right Front Circuit Fail
<b>C2513</b>	Front Right Lamp Short/Open Circuit
<b>C2514</b>	Shift Lever P. Indicator
<b>C2514</b>	Indicator Left Rear Circuit Fail
<b>C2514</b>	Rear Left Lamp Short/Open Circuit
<b>C2515</b>	Indicator Right Rear Circuit Fail
<b>C2515</b>	Rear Right Lamp Short/Open Circuit
<b>C2600</b>	Control Error
<b>C2601</b>	Height Control Error
<b>C2602</b>	Height-Up Control Error
<b>C2603</b>	Height-Down Control Error
<b>C2604</b>	Actuator Control Error
<b>C2605</b>	Actuator Soft Control Error
<b>C2606</b>	Actuator Medium Control Error
<b>C2607</b>	Actuator Hard Control Error
<b>C2608</b>	Air Leakage
<b>C2609</b>	Oil Leakage
<b>C270254</b>	Control Module Missing Calibration
<b>C270354</b>	Control Module Slave Missing Calibration
<b>C2710</b>	In Line Test Failure-Not found Lane
<b>C2711</b>	In Line Test Failure-Not found Lane Change
<b>C2715</b>	In Line Test Failure-Not Calibrated

## U Codes

<b>U0001</b>	High Speed CAN Communication Bus
<b>U0001</b>	CAN Bus OFF
<b>U0001</b>	TCU Communication Line or TCU Error
<b>U0001</b>	CAN Communication Malfunction
<b>U0001</b>	CAN Communication Bus Off
<b>U0001</b>	CAN BUS OFF
<b>U0001</b>	High Speed CAN Communication Bus off (C-CAN)
<b>U0001</b>	High Speed CAN Communication Bus (C-CAN)
<b>U0001</b>	High Speed CAN Communication Bus



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
U0001	CAN Communication Bus Off
U0001	High Speed CAN Communication Bus
U0002	High Speed CAN Communication Bus Performance
U0003	High Speed CAN Communication Bus (+) Open
U0004	High Speed CAN Communication Bus (+) Low
U0005	High Speed CAN Communication Bus (+) High
U0006	High Speed CAN Communication Bus (-) Open
U0007	High Speed CAN Communication Bus (-) Low
U0008	High Speed CAN Communication Bus (-) High
U0009	High Speed CAN Communication Bus (-) shorted to Bus (+)
U0010	Medium Speed CAN Communication Bus
U0010	CAN Communication Bus Off
U0011	Medium Speed CAN Communication Bus Performance
U0012	Medium Speed CAN Communication Bus (+) Open
U0013	Medium Speed CAN Communication Bus (+) Low
U0014	Medium Speed CAN Communication Bus (+) High
U0015	Medium Speed CAN Communication Bus (-) Open
U0016	Medium Speed CAN Communication Bus (-) Low
U0017	Medium Speed CAN Communication Bus (-) High
U0018	Medium Speed CAN Communication Bus (-) shorted to Bus (+)
U0019	Low Speed CAN Communication Bus
U0020	Low Speed CAN Communication Bus Performance
U0021	Low Speed CAN Communication Bus (+) Open
U0022	Low Speed CAN Communication Bus (+) Low
U0023	Low Speed CAN Communication Bus (+) High
U0024	Low Speed CAN Communication Bus (-) Open
U0025	Low Speed CAN Communication Bus (-) Low
U0026	Low Speed CAN Communication Bus (-) High
U0027	Low Speed CAN Communication Bus (-) shorted to Bus (+)
U0028	Vehicle Communication Bus A
U0029	Vehicle Communication Bus A Performance
U0030	Vehicle Communication Bus A (+) Open
U0031	Vehicle Communication Bus A (+) Low
U0032	Vehicle Communication Bus A (+) High
U0033	Vehicle Communication Bus A (-) Open
U0034	Vehicle Communication Bus A (-) Low
U0035	Vehicle Communication Bus A (-) High
U0036	Vehicle Communication Bus A (-) shorted to Bus A (+)

Trouble code	Fault location
U0037	Vehicle Communication Bus B
U0038	Vehicle Communication Bus B Performance
U0039	Vehicle Communication Bus B (+) Open
U0040	Vehicle Communication Bus B (+) Low
U0041	Vehicle Communication Bus B (+) High
U0042	Vehicle Communication Bus B (-) Open
U0043	Vehicle Communication Bus B (-) Low
U0044	Vehicle Communication Bus B (-) High
U0045	Vehicle Communication Bus B (-) shorted to Bus B (+)
U0046	Vehicle Communication Bus C
U0047	Vehicle Communication Bus C Performance
U0048	Vehicle Communication Bus C (+) Open
U0049	Vehicle Communication Bus C (+) Low
U0050	Vehicle Communication Bus C (+) High
U0051	Vehicle Communication Bus C (-) Open
U0052	Vehicle Communication Bus C (-) Low
U0053	Vehicle Communication Bus C (-) High
U0054	Vehicle Communication Bus C (-) shorted to Bus C (+)
U0055	Vehicle Communication Bus D
U0056	Vehicle Communication Bus D Performance
U0057	Vehicle Communication Bus D (+) Open
U0058	Vehicle Communication Bus D (+) Low
U0059	Vehicle Communication Bus D (+) High
U0060	Vehicle Communication Bus D (-) Open
U0061	Vehicle Communication Bus D (-) Low
U0062	Vehicle Communication Bus D (-) High
U0063	Vehicle Communication Bus D (-) shorted to Bus D (+)
U0064	Vehicle Communication Bus E
U0065	Vehicle Communication Bus E Performance
U0066	Vehicle Communication Bus E (+) Open
U0067	Vehicle Communication Bus E (+) Low
U0068	Vehicle Communication Bus E (+) High
U0069	Vehicle Communication Bus E (-) Open
U0070	Vehicle Communication Bus E (-) Low
U0071	Vehicle Communication Bus E (-) High
U0072	Vehicle Communication Bus E (-) shorted to Bus E (+)
U0073	Control Module Communication Bus Off
U0074	Control Module Communication Bus "B" Off

Trouble code	Fault location
U0100	Lost Communication With ECM/PCM "A"
U0100	TCS Communication
U0100	ECU Communication Line Malfunction
U0100	Lost Communication With ECM/PCM 'A' (C-CAN)
U0100	Lost Communication with ECM/PCM (ECU TIME OUT)
U0100	Lost Communication With ECM/PCM 'A'
U0100	CAN TIME OUT
U0101	Lost Communication with TCM
U0101	Lost Communication With TCM
U0101	Serial Communication Problem With TCM
U0101	Lost Communication With ECM/PCM 'A' (C-CAN)
U0101	Lost Communication with TCM (C-CAN)
U0101	Lost Communication with ECM/PCM 'A'
U0102	Lost Communication with Transfer Case Control Module
U0103	Lost Communication With Gear Shift Module
U0103	Lost Communication With Gear Shift Control Module "A"
U0104	Lost Communication With Cruise Control Module
U0104	ECM-Cruise Control Module Communication
U0104	Lost Communication With Cruise Control Module
U0105	Lost Communication With Fuel Injector Control Module
U0105	Lost Communication With Fuel Injector Control Module
U0107	Lost Communication With Throttle Actuator Control Module
U0108	Lost Communication With Alternative Fuel Control Module
U0108	CAN ASG Communication
U0109	Lost Communication With Fuel Pump Control Module
U0110	Lost Communication With Drive Motor Control Module
U0110	Lost Communication With Drive Motor Control Module
U0110	Lost Communication with Drive Motor Control Module "A" (C-CAN)
U0110	Lost Communication With Drive Motor Control Module (C-CAN)
U0111	Lost Communication With Battery Energy Control Module "A"
U0111	Lost Communication With Battery Energy Control Module "A" (C-CAN)
U0112	Lost Communication With Battery Energy Control Module "B"
U0113	Lost Communication With Emissions Critical Control Information
U0114	Lost Communication With Four-Wheel Drive Clutch Control Module
U0114	CAN Communication Error

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>U0114</b>	Lost Communication With Four-Wheel Drive Clutch Control Module
<b>U0115</b>	Lost Communication With ECM/PCM "B"
<b>U0116</b>	Lost Communication With Coolant Temperature Control Module
<b>U0118</b>	Lost Communication With Fuel Additive Control Module
<b>U0119</b>	Lost Communication With Fuel Cell Control Module
<b>U0120</b>	Lost Communication With Starter / Generator Control Module
<b>U0121</b>	Lost Communication With Anti-Lock Brake System (ABS) Control Module
<b>U0121</b>	Lost Communication With Anti-Lock Brake System (ABS) Control Module
<b>U0121</b>	Lost Communication With Anti-Lock Brake System (ABS) Control Module
<b>U0121</b>	Lost Communication With Anti-Lock Brake System (ABS) Control Module
<b>U0121</b>	Lost Communication With Anti-Lock Brake System (ABS) Control Module
<b>U0122</b>	Lost Communication With Vehicle Dynamics Control Module
<b>U0122</b>	Lost Communication With Vehicle Dynamics Control Module (C-CAN)
<b>U0122</b>	CAN TCS Communication
<b>U0122</b>	Lost Communication With Vehicle Dynamics Control Module
<b>U0123</b>	Lost Communication With Yaw Rate Sensor Module
<b>U0124</b>	Lost Communication With Lateral Acceleration Sensor Module
<b>U0125</b>	Lost Communication With Multi-axis Acceleration Sensor Module
<b>U0126</b>	Lost Communication With Steering Angle Sensor Module
<b>U0126</b>	Steering Angle Signal Fault
<b>U0126</b>	Lost Communication With Steering Angle Sensor Module
<b>U0127</b>	Lost Communication With Tire Pressure Monitor Module
<b>U0128</b>	Lost Communication With Park Brake Control Module
<b>U0129</b>	Lost Communication With Brake System Control Module
<b>U0129</b>	Lost Communication With Brake System Control Module (C-CAN)
<b>U0130</b>	Lost Communication With Steering Effort Control Module
<b>U0131</b>	Lost Communication With Power Steering Control Module
<b>U0132</b>	Lost Communication With Ride Level Control Module
<b>U0133</b>	Lost Communication With Active Roll Control Module
<b>U0134</b>	Lost Communication With Power Steering Control Module Rear

Trouble code	Fault location
<b>U0135</b>	Lost Communication With Differential Control Module Front
<b>U0136</b>	Lost Communication With Differential Control Module Rear
<b>U0137</b>	Lost Communication With Trailer Brake Control Module
<b>U0138</b>	Lost Communication With All Terrain Control Module
<b>U0139</b>	Lost Communication With Suspension Control Module "B"
<b>U0140</b>	Lost Communication With Body Control Module
<b>U0141</b>	Lost Communication With Body Control Module "A"
<b>U0142</b>	Lost Communication With Body Control Module "B"
<b>U0143</b>	Lost Communication With Body Control Module "C"
<b>U0144</b>	Lost Communication With Body Control Module "D"
<b>U0145</b>	Lost Communication With Body Control Module "E"
<b>U0146</b>	Lost Communication With Gateway "A"
<b>U0146</b>	Lost Communication with GateWay "A"
<b>U0147</b>	Lost Communication With Gateway "B"
<b>U0148</b>	Lost Communication With Gateway "C"
<b>U0149</b>	Lost Communication With Gateway "D"
<b>U0150</b>	Lost Communication With Gateway "E"
<b>U0151</b>	Lost Communication With Restraints Control Module
<b>U0152</b>	Lost Communication With Side Restraints Control Module Left
<b>U0153</b>	Lost Communication With Side Restraints Control Module Right
<b>U0154</b>	Lost Communication With Restraints Occupant Sensing Control Module
<b>U0155</b>	Lost Communication With Instrument Panel Cluster (IPC) Control Module
<b>U0155</b>	Lost Communication With Instrument Panel Cluster (IPC) Control Module (C-CAN)
<b>U0156</b>	Lost Communication With Information Center "A"
<b>U0157</b>	Lost Communication With Information Center "B"
<b>U0158</b>	Lost Communication With Head Up Display
<b>U0159</b>	Lost Communication With Parking Assist Control Module
<b>U0160</b>	Lost Communication With Audible Alert Control Module
<b>U0161</b>	Lost Communication With Compass Module
<b>U0162</b>	Lost Communication With Navigation Display Module
<b>U0163</b>	Lost Communication With Navigation Control Module
<b>U0164</b>	Lost Communication With HVAC Control Module
<b>U0164</b>	Lost Communication with HVAC Control Module
<b>U0165</b>	Lost Communication With HVAC Control Module Rear
<b>U0166</b>	Lost Communication With Auxiliary Heater Control Module

Trouble code	Fault location
<b>U0167</b>	Lost Communication With Vehicle Immobilizer Control Module
<b>U0168</b>	Lost Communication With Vehicle Security Control Module
<b>U0169</b>	Lost Communication With Sunroof Control Module
<b>U0170</b>	Lost Communication With "Restraints System Sensor A"
<b>U0171</b>	Lost Communication With "Restraints System Sensor B"
<b>U0172</b>	Lost Communication With "Restraints System Sensor C"
<b>U0173</b>	Lost Communication With "Restraints System Sensor D"
<b>U0174</b>	Lost Communication With "Restraints System Sensor E"
<b>U0175</b>	Lost Communication With "Restraints System Sensor F"
<b>U0176</b>	Lost Communication With "Restraints System Sensor G"
<b>U0177</b>	Lost Communication With "Restraints System Sensor H"
<b>U0178</b>	Lost Communication With "Restraints System Sensor I"
<b>U0179</b>	Lost Communication With "Restraints System Sensor J"
<b>U017A</b>	Lost Communication With "Restraints System Sensor K"
<b>U017B</b>	Lost Communication With "Restraints System Sensor L"
<b>U017C</b>	Lost Communication With "Restraints System Sensor M"
<b>U017D</b>	Lost Communication With "Restraints System Sensor N"
<b>U017E</b>	Lost Communication With Seatbelt Pretensioner Module "A"
<b>U017F</b>	Lost Communication With Seatbelt Pretensioner Module "B"
<b>U0180</b>	Lost Communication With Automatic Lighting Control Module
<b>U0181</b>	Lost Communication With Headlamp Leveling Control Module
<b>U0182</b>	Lost Communication With Lighting Control Module Front
<b>U0183</b>	Lost Communication With Lighting Control Module Rear
<b>U0184</b>	Lost Communication With Radio
<b>U0185</b>	Lost Communication With Antenna Control Module
<b>U0186</b>	Lost Communication With Audio Amplifier
<b>U0187</b>	Lost Communication With Digital Disc Player/Changer Module "A"
<b>U0188</b>	Lost Communication With Digital Disc Player/Changer Module "B"
<b>U0189</b>	Lost Communication With Digital Disc Player/Changer Module "C"
<b>U0190</b>	Lost Communication With Digital Disc Player/Changer Module "D"
<b>U0191</b>	Lost Communication With Television
<b>U0192</b>	Lost Communication With Personal Computer
<b>U0193</b>	Lost Communication With "Digital Audio Control Module A"
<b>U0194</b>	Lost Communication With "Digital Audio Control Module B"

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>U0195</b>	Lost Communication With Subscription Entertainment Receiver Module
<b>U0196</b>	Lost Communication With Rear Seat Entertainment Control Module
<b>U0197</b>	Lost Communication With Telephone Control Module
<b>U0198</b>	Lost Communication With Telematic Control Module
<b>U0199</b>	Lost Communication With "Door Control Module A"
<b>U0200</b>	Lost Communication With "Door Control Module B"
<b>U0201</b>	Lost Communication With "Door Control Module C"
<b>U0202</b>	Lost Communication With "Door Control Module D"
<b>U0203</b>	Lost Communication With "Door Control Module E"
<b>U0204</b>	Lost Communication With "Door Control Module F"
<b>U0205</b>	Lost Communication With "Door Control Module G"
<b>U0206</b>	Lost Communication With Folding Top Control Module
<b>U0207</b>	Lost Communication With Moveable Roof Control Module
<b>U0208</b>	Lost Communication With "Seat Control Module A"
<b>U0209</b>	Lost Communication With "Seat Control Module B"
<b>U0210</b>	Lost Communication With "Seat Control Module C"
<b>U0211</b>	Lost Communication With "Seat Control Module D"
<b>U0212</b>	Lost Communication With Steering Column Control Module
<b>U0213</b>	Lost Communication With Mirror Control Module
<b>U0214</b>	Lost Communication With Remote Function Actuation
<b>U0215</b>	Lost Communication With "Door Switch A"
<b>U0216</b>	Lost Communication With "Door Switch B"
<b>U0217</b>	Lost Communication With "Door Switch C"
<b>U0218</b>	Lost Communication With "Door Switch D"
<b>U0219</b>	Lost Communication With "Door Switch E"
<b>U0220</b>	Lost Communication With "Door Switch F"
<b>U0221</b>	Lost Communication With "Door Switch G"
<b>U0222</b>	Lost Communication With "Door Window Motor A"
<b>U0223</b>	Lost Communication With "Door Window Motor B"
<b>U0224</b>	Lost Communication With "Door Window Motor C"
<b>U0225</b>	Lost Communication With "Door Window Motor D"
<b>U0226</b>	Lost Communication With "Door Window Motor E"
<b>U0227</b>	Lost Communication With "Door Window Motor F"
<b>U0228</b>	Lost Communication With "Door Window Motor G"
<b>U0229</b>	Lost Communication With Heated Steering Wheel Module
<b>U0230</b>	Lost Communication With Rear Gate Module
<b>U0231</b>	Lost Communication With Rain Sensing Module

Trouble code	Fault location
<b>U0232</b>	Lost Communication With Side Obstacle Detection Control Module Left
<b>U0233</b>	Lost Communication With Side Obstacle Detection Control Module Right
<b>U0234</b>	Lost Communication With Convenience Recall Module
<b>U0235</b>	Lost Communication With Cruise Control Front Distance Range Sensor
<b>U0236</b>	Lost Communication With Column Lock Module
<b>U0237</b>	Lost Communication With "Digital Audio Control Module C"
<b>U0238</b>	Lost Communication With "Digital Audio Control Module D"
<b>U0239</b>	Lost Communication With Entrapment Control Module "A"
<b>U023A</b>	Lost Communication With Image Processing Module "A"
<b>U023B</b>	Lost Communication With Image Processing Module "B"
<b>U023C</b>	Lost Communication With Image Processing Module "C"
<b>U023D</b>	Lost Communication With Cruise Control Front Distance Range Sensor Left
<b>U023E</b>	Lost Communication With Cruise Control Front Distance Range Sensor
<b>U0240</b>	Lost Communication With Entrapment Control Module "B"
<b>U0241</b>	Lost Communication With Headlamp Control Module "A"
<b>U0242</b>	Lost Communication With Headlamp Control Module "B"
<b>U0243</b>	Lost Communication With Parking Assist Control Module "B"
<b>U0244</b>	Lost Communication With Running Board Control Module "A"
<b>U0245</b>	Lost Communication With Entertainment Control Module Front
<b>U0246</b>	Lost Communication With "Seat Control Module E"
<b>U0247</b>	Lost Communication With "Seat Control Module F"
<b>U0248</b>	Lost Communication With Remote Accessory Module
<b>U0249</b>	Lost Communication With Entertainment Control Module Rear "B"
<b>U024A</b>	Lost Communication With Interior Lighting Control Module
<b>U0250</b>	Lost Communication With Impact Classification System Module
<b>U0251</b>	Lost Communication With Running Board Control Module "B"
<b>U0252</b>	Lost Communication With Lighting Control Module Rear "B"
<b>U0253</b>	Lost Communication With Accessory Protocol Interface Module
<b>U0254</b>	Lost Communication With Remote Start Module
<b>U0255</b>	Lost Communication With Front Display Interface Module
<b>U0256</b>	Lost Communication With Front Controls Interface Module "A"

Trouble code	Fault location
<b>U0257</b>	Lost Communication With Front Controls/Display Interface Module
<b>U0258</b>	Lost Communication With Radio Transceiver
<b>U0259</b>	Lost Communication With Special Purpose Vehicle Control Module "A"
<b>U025A</b>	Lost Communication With Special Purpose Vehicle Control Module "B"
<b>U025B</b>	Lost Communication With Special Purpose Vehicle Control Module "C"
<b>U025C</b>	Lost Communication With Special Purpose Vehicle Control Module "D"
<b>U025D</b>	Lost Communication With Front Controls Interface Module "B"
<b>U0260</b>	Lost Communication With Seat Control Switch Module "A"
<b>U0261</b>	Lost Communication With Seat Control Switch Module "B"
<b>U0262</b>	Lost Communication With Audio Amplifier "B"
<b>U0263</b>	Lost Communication With Speech Recognition Module
<b>U0264</b>	Lost Communication With Camera Module Rear
<b>U0286</b>	Lost Communication With Radiator Anti Tamper Device
<b>U0287</b>	Lost Communication With Transmission Fluid Pump Module
<b>U0287</b>	Lost Communication With Transmission Fluid Pump Module
<b>U0288</b>	Lost Communication With DC to AC Converter Control Module "A"
<b>U0289</b>	Lost Communication With DC to AC Converter Control Module "B"
<b>U0291</b>	Lost Communication With Gear Shift Control Module "B"
<b>U0292</b>	Lost Communication With Drive Motor Control Module "B"
<b>U0293</b>	Lost Communication With Hybrid Powertrain Control Module
<b>U0293</b>	Lost Communication With Hybrid Powertrain Control Module (C-CAN)
<b>U0293</b>	Lost Communication With Hybrid Powertrain Control Module (C-CAN)
<b>U0293</b>	Lost Communication With Hybrid Powertrain Control Module
<b>U0294</b>	Lost Communication With Powertrain Control Monitor Module
<b>U0295</b>	Lost Communication With AC to AC Converter Control Module
<b>U0296</b>	Lost Communication With AC to DC Converter Control Module "A"
<b>U0297</b>	Lost Communication With AC to DC Converter Control Module "B"
<b>U0298</b>	Lost Communication With DC to DC Converter Control Module "A"



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>U0298</b>	Lost Communication with DC to DC Converter Control Module
<b>U0299</b>	Lost Communication With DC to DC Converter Control Module "B"
<b>U029A</b>	Lost Communication With Hybrid Battery Pack Sensor Module
<b>U029B</b>	Lost Communication With Drive Motor Control Module "C"
<b>U029C</b>	Lost Communication With Drive Motor Control Module "D"
<b>U029D</b>	Lost Communication With NOX Sensor "A"
<b>U029E</b>	Lost Communication With NOX Sensor "B"
<b>U0300</b>	Internal Control Module Software Incompatibility
<b>U0301</b>	Software Incompatibility with ECM/PCM
<b>U0302</b>	Software Incompatibility with Transmission Control Module
<b>U0303</b>	Software Incompatibility with Transfer Case Control Module
<b>U0304</b>	Software Incompatibility with Gear Shift Control Module
<b>U0305</b>	Software Incompatibility with Cruise Control Module
<b>U0306</b>	Software Incompatibility with Fuel Injector Control Module
<b>U0308</b>	Software Incompatibility with Throttle Actuator Control Module
<b>U0309</b>	Software Incompatibility with Alternative Fuel Control Module
<b>U0310</b>	Software Incompatibility with Fuel Pump Control Module
<b>U0311</b>	Software Incompatibility with Drive Motor Control Module
<b>U0312</b>	Software Incompatibility with Battery Energy Control Module A
<b>U0313</b>	Software Incompatibility with Battery Energy Control Module B
<b>U0314</b>	Software Incompatibility with Four-Wheel Drive Clutch Control Module
<b>U0315</b>	Software Incompatibility with Anti-Lock Brake System Control Module
<b>U0316</b>	Software Incompatibility with Vehicle Dynamics Control Module
<b>U0317</b>	Software Incompatibility with Park Brake Control Module
<b>U0318</b>	Software Incompatibility with Brake System Control Module
<b>U0319</b>	Software Incompatibility with Steering Effort Control Module
<b>U0320</b>	Software Incompatibility with Power Steering Control Module
<b>U0321</b>	Software Incompatibility with Ride Level Control Module
<b>U0322</b>	Software Incompatibility with Body Control Module
<b>U0323</b>	Software Incompatibility with Instrument Panel Control Module
<b>U0324</b>	Software Incompatibility with HVAC Control Module
<b>U0325</b>	Software Incompatibility with Auxiliary Heater Control Module

Trouble code	Fault location
<b>U0326</b>	Software Incompatibility with Vehicle Immobilizer Control Module
<b>U0327</b>	Software Incompatibility with Vehicle Security Control Module
<b>U0328</b>	Software Incompatibility with Steering Angle Sensor Module
<b>U0329</b>	Software Incompatibility with Steering Column Control Module
<b>U0330</b>	Software Incompatibility with Tire Pressure Monitor Module
<b>U0331</b>	Software Incompatibility with Body Control Module "A"
<b>U0332</b>	Software Incompatibility With Multi-axis Acceleration Sensor Module
<b>U0333</b>	Software Incompatibility With Gear Shift Control Module "B"
<b>U0334</b>	Software Incompatibility With Radio
<b>U0335</b>	Software Incompatibility With Hybrid Battery Pack Sensor Module
<b>U0336</b>	Software Incompatibility with Restraints Control Module
<b>U0400</b>	Invalid Data Received
<b>U0401</b>	Invalid Data Received From ECM/PCM
<b>U0402</b>	Invalid Data Received From Transmission Control Module
<b>U0403</b>	Invalid Data Received From Transfer Case Control Module
<b>U0404</b>	Invalid Data Received From Gear Shift Control Module
<b>U0405</b>	Invalid Data Received From Cruise Control Module
<b>U0406</b>	Invalid Data Received From Fuel Injector Control Module
<b>U0408</b>	Invalid Data Received From Throttle Actuator Control Module
<b>U0409</b>	Invalid Data Received From Alternative Fuel Control Module
<b>U040A</b>	Invalid Data Received From Air Conditioning Control Module
<b>U040B</b>	Invalid Data Received From Exhaust Gas Recirculation Control Module "A"
<b>U040C</b>	Invalid Data Received From Exhaust Gas Recirculation Control Module "B"
<b>U040D</b>	Invalid Data Received From Turbocharger/Supercharger Control Module "A"
<b>U040E</b>	Invalid Data Received From Turbocharger/Supercharger Control Module "B"
<b>U040F</b>	Invalid Data Received From Reductant Control Module
<b>U0410</b>	Invalid Data Received From Fuel Pump Control Module
<b>U0411</b>	Invalid Data Received From Drive Motor Control Module
<b>U0412</b>	Invalid Data Received From Battery Energy Control Module A
<b>U0413</b>	Invalid Data Received From Battery Energy Control Module B
<b>U0414</b>	Invalid Data Received From Four-Wheel Drive Clutch Control Module

Trouble code	Fault location
<b>U0415</b>	Invalid Data Received From Anti-Lock Brake System Control Module
<b>U0416</b>	Invalid Data Received From Vehicle Dynamics Control Module
<b>U0417</b>	Invalid Data Received From Park Brake Control Module
<b>U0418</b>	Invalid Data Received From Brake System Control Module
<b>U0419</b>	Invalid Data Received From Steering Effort Control Module
<b>U041B</b>	Invalid Data Received From Exhaust Gas Sensor Module
<b>U041C</b>	Invalid Data Received From Rocker Arm Control Module "A"
<b>U041D</b>	Invalid Data Received From Rocker Arm Control Module "B"
<b>U041E</b>	Invalid Data Received From All Wheel Drive Control Module
<b>U0420</b>	Invalid Data Received From Power Steering Control Module
<b>U0421</b>	Invalid Data Received From Ride Level Control Module
<b>U0422</b>	Invalid Data Received From Body Control Module
<b>U0423</b>	Invalid Data Received From Instrument Panel Control Module
<b>U0424</b>	Invalid Data Received From HVAC Control Module
<b>U0425</b>	Invalid Data Received From Auxiliary Heater Control Module
<b>U0426</b>	Invalid Data Received From Vehicle Immobilizer Control Module
<b>U0427</b>	Invalid Data Received From Vehicle Security Control Module
<b>U0428</b>	Invalid Data Received From Steering Angle Sensor Module
<b>U0429</b>	Invalid Data Received From Steering Column Control Module
<b>U0430</b>	Invalid Data Received From Tire Pressure Monitor Module
<b>U0431</b>	Invalid Data Received From Body Control Module "A"
<b>U0432</b>	Invalid Data Received From Multi-axis Acceleration Sensor Module
<b>U0433</b>	Invalid Data Received From Cruise Control Front Distance Range Sensor Single Sensor or Center
<b>U0434</b>	Invalid Data Received From Active Roll Control Module
<b>U0435</b>	Invalid Data Received From Power Steering Control Module Rear
<b>U0436</b>	Invalid Data Received From Differential Control Module Front
<b>U0437</b>	Invalid Data Received From Differential Control Module Rear
<b>U0438</b>	Invalid Data Received From Trailer Brake Control Module
<b>U0439</b>	Invalid Data Received From All Terrain Control Module
<b>U043A</b>	Invalid Data Received From Suspension Control Module "B"
<b>U043B</b>	Invalid Data Received From Cruise Control Front Distance Range Sensor Left
<b>U043C</b>	Invalid Data Received From Cruise Control Front Distance Range Sensor Right



# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>U0441</b>	Invalid Data Received From Emissions Critical Control Information
<b>U0442</b>	Invalid Data Received From ECM/PCM "B"
<b>U0443</b>	Invalid Data Received From Body Control Module "B"
<b>U0444</b>	Invalid Data Received From Body Control Module "C"
<b>U0445</b>	Invalid Data Received From Body Control Module "D"
<b>U0446</b>	Invalid Data Received From Body Control Module "E"
<b>U0447</b>	Invalid Data Received From Gateway "A"
<b>U0448</b>	Invalid Data Received From Gateway "B"
<b>U0449</b>	Invalid Data Received From Gateway "C"
<b>U044A</b>	Invalid Data Received From Gateway "D"
<b>U0451</b>	Invalid Data Received From Gateway "E"
<b>U0452</b>	Invalid Data Received From Restraints Control Module
<b>U0453</b>	Invalid Data Received From Side Restraints Control Module Left
<b>U0454</b>	Invalid Data Received From Side Restraints Control Module Right
<b>U0455</b>	Invalid Data Received From Restraints Occupant Classification System Module
<b>U0456</b>	Invalid Data Received From Coolant Temperature Control Module
<b>U0457</b>	Invalid Data Received From Information Center "A"
<b>U0458</b>	Invalid Data Received From Information Center "B"
<b>U0459</b>	Invalid Data Received From Head Up Display
<b>U045A</b>	Invalid Data Received From Parking Assist Control Module "A"
<b>U0461</b>	Invalid Data Received From Audible Alert Control Module
<b>U0462</b>	Invalid Data Received From Compass Module
<b>U0463</b>	Invalid Data Received From Navigation Display Module
<b>U0464</b>	Invalid Data Received From Navigation Control Module
<b>U0466</b>	Invalid Data Received From HVAC Control Module Rear
<b>U0467</b>	Invalid Data Received From Fuel Additive Control Module
<b>U0468</b>	Invalid Data Received From Fuel Cell Control Module
<b>U0469</b>	Invalid Data Received From Starter / Generator Control Module
<b>U046A</b>	Invalid Data Received From Sunroof Control Module
<b>U046B</b>	Invalid Data Received From Global Positioning System Module
<b>U0471</b>	Invalid Data Received From "Restraints System Sensor A"
<b>U0472</b>	Invalid Data Received From "Restraints System Sensor B"
<b>U0473</b>	Invalid Data Received From "Restraints System Sensor C"

Trouble code	Fault location
<b>U0474</b>	Invalid Data Received From "Restraints System Sensor D"
<b>U0475</b>	Invalid Data Received From "Restraints System Sensor E"
<b>U0476</b>	Invalid Data Received From "Restraints System Sensor F"
<b>U0477</b>	Invalid Data Received From "Restraints System Sensor G"
<b>U0478</b>	Invalid Data Received From "Restraints System Sensor H"
<b>U0479</b>	Invalid Data Received From "Restraints System Sensor I"
<b>U047A</b>	Invalid Data Received From "Restraints System Sensor J"
<b>U047B</b>	Invalid Data Received From "Restraints System Sensor K"
<b>U047C</b>	Invalid Data Received From "Restraints System Sensor L"
<b>U047D</b>	Invalid Data Received From "Restraints System Sensor M"
<b>U047E</b>	Invalid Data Received From "Restraints System Sensor N"
<b>U047F</b>	Invalid Data Received From Seatbelt Pretensioner Module "A"
<b>U0480</b>	Invalid Data Received From Seatbelt Pretensioner Module "B"
<b>U0481</b>	Invalid Data Received From Automatic Lighting Control Module
<b>U0482</b>	Invalid Data Received From Headlamp Leveling Control Module
<b>U0483</b>	Invalid Data Received From Lighting Control Module Front
<b>U0484</b>	Invalid Data Received From Lighting Control Module Rear "A"
<b>U0485</b>	Invalid Data Received From Radio
<b>U0486</b>	Invalid Data Received From Antenna Control Module
<b>U0487</b>	Invalid Data Received From Audio Amplifier "A"
<b>U0488</b>	Invalid Data Received From Digital Disc Player/Changer Module "A"
<b>U0489</b>	Invalid Data Received From Digital Disc Player/Changer Module "B"
<b>U048A</b>	Invalid Data Received From Digital Disc Player/Changer Module "C"
<b>U0491</b>	Invalid Data Received From Digital Disc Player/Changer Module "D"
<b>U0492</b>	Invalid Data Received From Television
<b>U0493</b>	Invalid Data Received From Personal Computer
<b>U0494</b>	Invalid Data Received From "Digital Audio Control Module A"
<b>U0495</b>	Invalid Data Received From "Digital Audio Control Module B"
<b>U0496</b>	Invalid Data Received From Subscription Entertainment Receiver Module
<b>U0497</b>	Invalid Data Received From Entertainment Control Module Rear "A"
<b>U0498</b>	Invalid Data Received From Telephone Control Module
<b>U0499</b>	Invalid Data Received From Telematic Control Module
<b>U049A</b>	Invalid Data Received From "Door Control Module A"

Trouble code	Fault location
<b>U0501</b>	Invalid Data Received From "Door Control Module B"
<b>U0502</b>	Invalid Data Received From "Door Control Module C"
<b>U0503</b>	Invalid Data Received From "Door Control Module D"
<b>U0504</b>	Invalid Data Received From "Door Control Module E"
<b>U0505</b>	Invalid Data Received From "Door Control Module F"
<b>U0506</b>	Invalid Data Received From "Door Control Module G"
<b>U0507</b>	Invalid Data Received From Folding Top Control Module
<b>U0508</b>	Invalid Data Received From Moveable Roof Control Module
<b>U0509</b>	Invalid Data Received From "Seat Control Module A"
<b>U050A</b>	Invalid Data Received From "Seat Control Module B"
<b>U0511</b>	Invalid Data Received From "Seat Control Module C"
<b>U0512</b>	Invalid Data Received From "Seat Control Module D"
<b>U0513</b>	Invalid Data Received From Yaw Rate Sensor Module
<b>U0514</b>	Invalid Data Received From Mirror Control Module
<b>U0515</b>	Invalid Data Received From Remote Function Actuation
<b>U0516</b>	Invalid Data Received From "Door Switch A"
<b>U0517</b>	Invalid Data Received From "Door Switch B"
<b>U0518</b>	Invalid Data Received From "Door Switch C"
<b>U0519</b>	Invalid Data Received From "Door Switch D"
<b>U051A</b>	Invalid Data Received From "Door Switch E"
<b>U0521</b>	Invalid Data Received From "Door Switch F"
<b>U0522</b>	Invalid Data Received From "Door Switch G"
<b>U0523</b>	Invalid Data Received From "Door Window Motor A"
<b>U0524</b>	Invalid Data Received From "Door Window Motor B"
<b>U0525</b>	Invalid Data Received From "Door Window Motor C"
<b>U0526</b>	Invalid Data Received From "Door Window Motor D"
<b>U0527</b>	Invalid Data Received From "Door Window Motor E"
<b>U0528</b>	Invalid Data Received From "Door Window Motor F"
<b>U0529</b>	Invalid Data Received From "Door Window Motor G"
<b>U052A</b>	Invalid Data Received From Heated Steering Wheel Module
<b>U0531</b>	Invalid Data Received From Rear Gate Module
<b>U0532</b>	Invalid Data Received From Rain Sensing Module
<b>U0533</b>	Invalid Data Received From Side Obstacle Detection Control Module Left
<b>U0534</b>	Invalid Data Received From Side Obstacle Detection Control Module Right
<b>U0535</b>	Invalid Data Received From Convenience Recall Module
<b>U0536</b>	Invalid Data Received From Lateral Acceleration Sensor Module

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>U0537</b>	Invalid Data Received From Column Lock Module
<b>U0538</b>	Invalid Data Received From “Digital Audio Control Module C”
<b>U0539</b>	Invalid Data Received From “Digital Audio Control Module D”
<b>U053A</b>	Invalid Data Received From Entrapment Control Module “A”
<b>U053B</b>	Invalid Data Received From Image Processing Module “A”
<b>U053C</b>	Invalid Data Received From Image Processing Module “B”
<b>U053D</b>	Invalid Data Received From Image Processing Module “C”
<b>U0541</b>	Invalid Data Received From Entrapment Control Module “B”
<b>U0542</b>	Invalid Data Received From Headlamp Control Module “A”
<b>U0543</b>	Invalid Data Received From Headlamp Control Module “B”
<b>U0544</b>	Invalid Data Received From Parking Assist Control Module “B”
<b>U0545</b>	Invalid Data Received From Running Board Control Module
<b>U0546</b>	Invalid Data Received From Entertainment Control Module Front
<b>U0547</b>	Invalid Data Received From “Seat Control Module E”
<b>U0548</b>	Invalid Data Received From “Seat Control Module F”
<b>U0549</b>	Invalid Data Received From Remote Accessory Module
<b>U054A</b>	Invalid Data Received From Entertainment Control Module Rear “B”
<b>U054B</b>	Invalid Data Received From Interior Lighting Control Module
<b>U0551</b>	Invalid Data Received From Impact Classification System Module
<b>U0552</b>	Invalid Data Received From Running Board Control Module “B”
<b>U0553</b>	Invalid Data Received From Lighting Control Module Rear “B”
<b>U0554</b>	Invalid Data Received From Accessory Protocol Interface Module
<b>U0555</b>	Invalid Data Received From Remote Start Module
<b>U0556</b>	Invalid Data Received From Front Display Interface Module
<b>U0557</b>	Invalid Data Received From Front Controls Interface Module “A”
<b>U0558</b>	Invalid Data Received From Front Controls/Display Interface Module
<b>U0559</b>	Invalid Data Received From Radio Transceiver
<b>U055A</b>	Invalid Data Received From Special Purpose Vehicle Control Module “A”
<b>U055B</b>	Invalid Data Received From Special Purpose Vehicle Control Module “B”
<b>U055C</b>	Invalid Data Received From Special Purpose Vehicle Control Module “C”

Trouble code	Fault location
<b>U055D</b>	Invalid Data Received From Special Purpose Vehicle Control Module “D”
<b>U055E</b>	Invalid Data Received From Front Controls Interface Module “B”
<b>U0561</b>	Invalid Data Received From Seat Control Switch Module “A”
<b>U0562</b>	Invalid Data Received From Seat Control Switch Module “B”
<b>U0563</b>	Invalid Data Received From Audio Amplifier “B”
<b>U0564</b>	Invalid Data Received From Speech Recognition Module
<b>U0565</b>	Invalid Data Received From Camera Module Rear
<b>U0587</b>	Invalid Data Received From With Radiator Anti Tamper Device
<b>U0588</b>	Invalid Data Received From Transmission Fluid Pump Module
<b>U0589</b>	Invalid Data Received From DC to AC Converter Control Module “A”
<b>U058A</b>	Invalid Data Received From DC to AC Converter Control Module “B”
<b>U0592</b>	Invalid Data Received From Gear Shift Control Module “B”
<b>U0593</b>	Invalid Data Received From Drive Motor Control Module “B”
<b>U0594</b>	Invalid Data Received From Hybrid Powertrain Control Module
<b>U0595</b>	Invalid Data Received From Powertrain Control Monitor Module
<b>U0596</b>	Invalid Data Received From AC to AC Converter Control Module
<b>U0597</b>	Invalid Data Received From AC to DC Converter Control Module “A”
<b>U0598</b>	Invalid Data Received From AC to DC Converter Control Module “B”
<b>U0599</b>	Invalid Data Received From DC to DC Converter Control Module “A”
<b>U059A</b>	Invalid Data Received From DC to DC Converter Control Module “B”
<b>U059B</b>	Invalid Data Received From Hybrid Battery Pack Sensor Module
<b>U059C</b>	Invalid Data Received From Drive Motor Control Module “C”
<b>U059D</b>	Invalid Data Received From Drive Motor Control Module “D”
<b>U059E</b>	Invalid Data Received From NOX Sensor “A”
<b>U059F</b>	Invalid Data Received From NOX Sensor “B”
<b>U1000</b>	Head Unit ECM Error
<b>U1000</b>	TV Unit Error
<b>U1001</b>	HW Watchdog Executed
<b>U1001</b>	Microphone 1 not connected
<b>U1001</b>	High Speed CAN Communication Bus (H-CAN)
<b>U1002</b>	Microphone 1 shortcut

Trouble code	Fault location
<b>U1002</b>	Lost Communication with ECM (H-CAN)
<b>U1003</b>	Temperature Sensor Signal Error in Head Unit
<b>U1003</b>	Lost Communication With TCM (H-CAN)
<b>U1004</b>	Temperature Sensor Signal Error in Tunner and Amplifier
<b>U1004</b>	Lost Communication with Hybrid Powertrain Control Module (H-CAN)
<b>U1005</b>	Lost Communication with Drive Motor Control Module (H-CAN)
<b>U1006</b>	Low Voltage Detected
<b>U1006</b>	Lost Communication with Battery Energy Control Module “A” (H-CAN)
<b>U1007</b>	High Voltage Detected
<b>U1007</b>	CAN Timeout OPU on C-CAN
<b>U1010</b>	Low Voltage Detected
<b>U1011</b>	High Voltage Detected
<b>U1045</b>	Sticking Key on Central Control Panel
<b>U1065</b>	Sticking Key on Rear Armrest Controller
<b>U1100</b>	High Speed CAN 2 Lost communication (EMS-DCT)
<b>U1103</b>	Lost Communication With TGS Lever
<b>U1111</b>	Battery Sensor fault detected by ECU
<b>U1111</b>	BS_signal frame(Data) Error
<b>U1111</b>	Lin Message Timeout with EBS
<b>U1112</b>	LIN Communication Error
<b>U1116</b>	Lost Communication With Motor Electronics Coolant Pump (C-CAN)
<b>U1117</b>	High Speed CAN2 Communication (EMS-DCT)
<b>U1121</b>	Lost Communication With Electric Stability Program Module
<b>U1138</b>	Fan Operation Error(Fan is running although should be off)
<b>U1139</b>	Fan Operation Error - no plug put or line open(Fan is not running although it should be on)
<b>U1401</b>	MOST Critical Unlock Detected
<b>U1440</b>	Ring Break Between Head Unit and TV Unit
<b>U1441</b>	Ring Break Before Position 1
<b>U1442</b>	Ring Break Between TV Unit and Amplifier Unit
<b>U1443</b>	Mozen : Ring Break Between Amplifier Unit and Mozen Unit, Non Mozen : Amplifier Unit and Head Unit
<b>U1444</b>	Mozen : Ring Break Between Mozen Unit and Head Unit, Non Mozen : Ignore
<b>U144F</b>	Ring Break Without Position Detection
<b>U1500</b>	Wakeup Line Short Circuit To Ground

# Hyundai - Specific Trouble Codes

Trouble code	Fault location
<b>U1500</b>	MOST bus communication lost during extended diagnostic session.
<b>U1501</b>	Wakeup Line Short Circuit To Vcc
<b>U1501</b>	MOST network detects "critical unlock"
<b>U1540</b>	Wakeup Line Test Failed at Amplifier Unit
<b>U1541</b>	Wakeup Line Test Failed at TV Unit
<b>U1542</b>	Wakeup Line Test Failed at MTS(Mozen) Unit
<b>U1601</b>	Data Upgrade Error - Application Software Code 1 Missing or Corrupted
<b>U1602</b>	Data Upgrade Error - Application Software Code 2 Missing or Corrupted
<b>U1606</b>	Data Upgrade Error - Application Software Data Missing or Corrupted
<b>U1700</b>	DTCP Sink SW error.
<b>U1702</b>	DTCP Sink Decode error.
<b>U1710</b>	Amplifier stage group 1 Error - S/Woofer 1(+), 1(-) short circuit
<b>U1711</b>	Amplifier stage group 2 Error - S/Woofer 2(+), 2(-) short circuit
<b>U1712</b>	Amplifier stage group 3 Error - Front Middle/Tweeter LH & RH short circuit
<b>U1713</b>	Amplifier stage group 4 Error - DECK LH, DECK RH, Center Speaker short circuit
<b>U1714</b>	Amplifier stage group 5 Error - Front LH & RH short circuit
<b>U1736</b>	Sticking Key on Wireless Remote Control

Trouble code	Fault location
<b>U1750</b>	HDD Invalid Media
<b>U1900</b>	GPS Antenna Line Break
<b>U1920</b>	DVD Drive Error
<b>U1940</b>	Front Display SDC Communication Error
<b>U1940</b>	AmFm Antenna circuit Low ( shortcut to GND )
<b>U1941</b>	AmFm Antenna circuit Open ( not connected )
<b>U1942</b>	Rear Display SDC Communication Error
<b>U1942</b>	Fm2 Antenna circuit Low
<b>U1943</b>	Fm2 Antenna circuit Open
<b>U1944</b>	XM Antenna circuit Low (UTA US only)
<b>U1945</b>	XM Antenna circuit Open (UTA US only)
<b>U1965</b>	Central Control Panel Serial Communication Error
<b>U1970</b>	Multimedia CAN Bus Off Error
<b>U1971</b>	Multimedia CAN Single Line Error
<b>U1972</b>	Multimedia CAN Limp Home Status
<b>U1980</b>	Timeout Multimedia CAN Message(Air Conditioner, Cluster, Audio)
<b>U1981</b>	Timeout Multimedia CAN Message(Vehicle Speed)
<b>U1982</b>	Timeout Multimedia CAN Message(Body CAN Signal - Camera, ECS, Trip Computer, Alternator, Auto Light)
<b>U1983</b>	Timeout Multimedia CAN Message (Trip Computer)
<b>U1984</b>	Timeout Multimedia CAN Message(Inhibitor Signal)
<b>U1985</b>	Timeout Multimedia CAN response for HU_6 0x86 CarSettings request

Trouble code	Fault location
<b>U3000</b>	Control Module
<b>U3001</b>	Control Module Improper Shutdown
<b>U3002</b>	Vehicle Identification Number
<b>U3003</b>	Battery Voltage
<b>U3004</b>	Accessory Power Relay
<b>U3005</b>	Retained Accessory Power
<b>U3006</b>	Control Module Input Power "A"
<b>U3007</b>	Control Module Input Power "B"
<b>U3008</b>	Control Module Ground "A"
<b>U3009</b>	Control Module Ground "B"
<b>U300A</b>	Ignition Switch
<b>U300B</b>	Ignition Input Accessory/On/Start
<b>U300C</b>	Ignition Input Off/On/Start
<b>U300D</b>	Ignition Input On/Start
<b>U300E</b>	Ignition Input On
<b>U300F</b>	Ignition Input Accessory
<b>U3010</b>	Ignition Input Start
<b>U3011</b>	Ignition Input Off