

# TECHNET HYUNDAI | NEW THINKING. NEW POSSIBILITIES.

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

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

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

# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

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



# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

Trouble code	Fault location
P0977	Shift Control Solenoid Valve "B" Circuit High(S2)
P0978	Shift Solenoid "C" Control Circuit Range/Performance
P0978	SLC1 Linear Feedback Current Stick
P0979	Shift Solenoid "C" Control Circuit Low
P0979	SLC1 GND Short/Open
P0979	Shift Control Solenoid Valve "C" Circuit Low(S3)
P0980	Shift Solenoid "C" Control Circuit High
P0980	SLC1 +B Short
P0980	Shift Control Solenoid Valve "C" Circuit High(S3)
P0981	Shift Solenoid "D" Control Circuit Range/Performance
P0981	SLC2 Linear Feedback Current Stick
P0982	Shift Solenoid "D" Control Circuit Low
P0982	SLC2 GND Short/Open
P0982	Shift Control Solenoid Valve "D" Circuit Low(S4)
P0983	Shift Solenoid "D" Control Circuit High
P0983	SLC2 +B Short
P0983	Shift Control Solenoid Valve "D" Circuit High(S4)
P0984	Shift Solenoid "E" Control Circuit Range/Performance
P0984	SLC3 Linear Feedback Current Stick
P0985	Shift Solenoid "E" Control Circuit Low
P0985	SLC3 GND Short/Open
P0985	Shift Control Solenoid Valve "E" Circuit Low(SR)
P0986	Shift Solenoid "E" Control Circuit High
P0986	SLC3 +B Short
P0986	Shift Control Solenoid Valve "E" Circuit High(SR)
P0987	Transmission Fluid Pressure Sensor/Switch "E" Circuit
P0988	Transmission Fluid Pressure Sensor/Switch "E" Circuit Range/Performance
P0989	Transmission Fluid Pressure Sensor/Switch "E" Circuit Low
P0990	Transmission Fluid Pressure Sensor/Switch "E" Circuit High
P0991	Transmission Fluid Pressure Sensor/Switch "E" Circuit Intermittent
P0992	Transmission Fluid Pressure Sensor/Switch "F" Circuit
P0993	Transmission Fluid Pressure Sensor/Switch "F" Circuit Range/Performance
P0994	Transmission Fluid Pressure Sensor/Switch "F" Circuit Low
P0995	Transmission Fluid Pressure Sensor/Switch "F" Circuit High
P0996	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
P018B	Fuel Pressure Sensor "B" Circuit Range/Performance
P018C	Fuel Pressure Sensor "B" Circuit Low
P018D	Fuel Pressure Sensor "B" Circuit High
P018E	Fuel Pressure Sensor "B" Circuit Intermittent/Erratic
P018F	Fuel System Over Pressure Relief Valve Frequent Activation
P02A0	Cylinder 2 - Injector Restricted
P02A1	Cylinder 2 - Injector Leaking
P02A2	Cylinder 3 - Fuel Trim at Max Limit
P02A3	Cylinder 3 - Fuel Trim at Min Limit
P02A4	Cylinder 3 - Injector Restricted
P02A5	Cylinder 3 - Injector Leaking
P02A6	Cylinder 4 - Fuel Trim at Max Limit
P02A7	Cylinder 4 - Fuel Trim at Min Limit
P02A8	Cylinder 4 - Injector Restricted
P02A9	Cylinder 4 - Injector Leaking
P02AA	Cylinder 5 - Fuel Trim at Max Limit
P02AB	Cylinder 5 - Fuel Trim at Min Limit
P02AC	Cylinder 5 - Injector Restricted
P02AD	Cylinder 5 - Injector Leaking
P02AE	Cylinder 6 - Fuel Trim at Max Limit
P02AF	Cylinder 6 - Fuel Trim at Min Limit
P02B0	Cylinder 6 - Injector Restricted
P02B1	Cylinder 6 - Injector Leaking
P02B2	Cylinder 7 - Fuel Trim at Max Limit
P02B3	Cylinder 7 - Fuel Trim at Min Limit
P02B4	Cylinder 7 - Injector Restricted
P02B5	Cylinder 7 - Injector Leaking
P02B6	Cylinder 8 - Fuel Trim at Max Limit
P02B7	Cylinder 8 - Fuel Trim at Min Limit
P02B8	Cylinder 8 - Injector Restricted
P02B9	Cylinder 8 - Injector Leaking
P02CA	Turbocharger/Supercharger "B" Overboost Condition
P02CB	Turbocharger/Supercharger "B" Underboost Condition
P02CC	Cylinder 1 Fuel Injector Offset Learning At Min Limit
P02CD	Cylinder 1 Fuel Injector Offset Learning At Max Limit
P02CE	Cylinder 2 Fuel Injector Offset Learning At Min Limit
P02CF	Cylinder 2 Fuel Injector Offset Learning At Max Limit
P02D0	Cylinder 3 Fuel Injector Offset Learning At Min Limit

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

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

# OBD-II Trouble Code Table

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

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

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

# OBD-II Trouble Code Table

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

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

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



# OBD-II Trouble Code Table

Trouble code	Fault location
P00B3	Radiator Coolant Temperature Sensor Circuit Low
P00B4	Radiator Coolant Temperature Sensor Circuit High
P00B5	Radiator Coolant Temperature Sensor Circuit Intermittent/Erratic
P00B6	Radiator Coolant Temperature/Engine Coolant Temperature Correlation
P00B7	Engine Coolant Flow Low/Performance
P00B8	MAP - Mass or Volume Air Flow Correlation Bank 2
P00B9	Low Pressure Fuel System Pressure - Too Low, Low Ambient Temperature
P00BA	Low Fuel Pressure - Forced Limited Power
P00BB	Fuel Injector Insufficient Flow - Forced Limited Power
P00BC	Mass or Volume Air Flow "A" Circuit Range/Performance - Air Flow Too Low
P00BD	Mass or Volume Air Flow "A" Circuit Range/Performance - Air Flow Too High
P00BE	Mass or Volume Air Flow "B" Circuit Range/Performance - Air Flow Too Low
P00BF	Mass or Volume Air Flow "B" Circuit Range/Performance - Air Flow Too High
POA0D	High Voltage System Interlock Circuit High
POA0F	Engine Failed to start
POA10	DC/DC Converter Status Circuit High Input
POA11	DC/DC Converter Enable Circuit/Open
POA12	DC/DC Converter Enable Circuit Low
POA13	DC/DC Converter Enable Circuit High
POA14	Engine Mount Control Circuit/Open
POA15	Engine Mount Control Circuit Low
POA16	Engine Mount Control Circuit High
POA17	Motor Torque Sensor Circuit
POA18	Motor Torque Sensor Circuit Range/Performance
POA19	Motor Torque Sensor Circuit Low
POA1A	Generator Control Module
POA1B	Drive Motor "A" Control Module
POA1B	Drive Motor "A" Control Module
POA1C	Drive Motor "B" Control Module
POA1D	Hybrid Powertrain Control Module
POA1E	Starter/Generator Control Module
POA1F	Battery Energy Control Module
POA1F	Battery Energy Control Module

Trouble code	Fault location
POA20	Motor Torque Sensor Circuit High
POA21	Motor Torque Sensor Circuit Intermittent
POA22	Generator Torque Sensor Circuit
POA23	Generator Torque Sensor Circuit Range/Performance
POA24	Generator Torque Sensor Circuit Low
POA25	Generator Torque Sensor Circuit High
POA26	Generator Torque Sensor Circuit Intermittent
POA27	Battery Power Off Circuit
POA28	Battery Power Off Circuit Low
POA29	Battery Power Off Circuit High
POA2A	Drive Motor "A" Temperature Sensor Circuit
POA2B	Drive Motor "A" Temperature Sensor Circuit Range/Performance
POA2B	Drive Motor "A" Temperature Sensor Circuit Range/Performance
POA2C	Drive Motor "A" Temperature Sensor Circuit Low
POA2C	Drive Motor "A" Temperature Sensor Circuit Low
POA2D	Drive Motor "A" Temperature Sensor Circuit High
POA2D	Drive Motor "A" Temperature Sensor Circuit High
POA2E	Drive Motor "A" Temperature Sensor Circuit Intermittent
POA2F	Drive Motor "A" Over Temperature
POA2F	Drive Motor "A" Over Temperature
POA30	Drive Motor "B" Temperature Sensor Circuit
POA31	Drive Motor "B" Temperature Sensor Circuit Range/Performance
POA32	Drive Motor "B" Temperature Sensor Circuit Low
POA33	Drive Motor "B" Temperature Sensor Circuit High
POA34	Drive Motor "B" Temperature Sensor Circuit Intermittent
POA35	Drive Motor "B" Over Temperature
POA36	Generator Temperature Sensor Circuit
POA37	Generator Temperature Sensor Circuit Range/Performance
POA37	Generator Temperature Sensor Circuit Range/Performance
POA38	Generator Temperature Sensor Circuit Low
POA38	Generator Temperature Sensor Circuit Low
POA39	Generator Temperature Sensor Circuit High
POA39	Generator Temperature Sensor Circuit High
POA3A	Generator Temperature Sensor Circuit Intermittent
POA3B	Generator Over Temperature
POA3B	Generator Over Temperature

Trouble code	Fault location
POA3C	Drive Motor "A" Inverter Over Temperature
POA3C	Drive Motor "A" Inverter Over Temperature
POA3D	Drive Motor "B" Inverter Over Temperature
POA3E	Generator Inverter Over Temperature
POA3E	Generator Inverter Over Temperature
POA3F	Drive Motor "A" Position Sensor Circuit
POA40	Drive Motor "A" Position Sensor Circuit Range/Performance
POA40	Drive Motor "A" Position Sensor Circuit Range/Performance
POA41	Drive Motor "A" Position Sensor Circuit Low
POA41	Drive Motor "A" Position Sensor Circuit Low
POA42	Drive Motor "A" Position Sensor Circuit High
POA42	Drive Motor "A" Position Sensor Circuit High
POA43	Drive Motor "A" Position Sensor Circuit Intermittent
POA44	Drive Motor "A" Position Sensor Circuit Overspeed
POA45	Drive Motor "B" Position Sensor Circuit
POA46	Drive Motor "B" Position Sensor Circuit Range/Performance
POA47	Drive Motor "B" Position Sensor Circuit Low
POA48	Drive Motor "B" Position Sensor Circuit High
POA49	Drive Motor "B" Position Sensor Circuit Intermittent
POA4A	Drive Motor "B" Position Sensor Circuit Overspeed
POA4B	Generator Position Sensor Circuit
POA4C	Generator Position Sensor Circuit Range/Performance
POA4C	Generator Position Sensor Circuit Range/Performance
POA4D	Generator Position Sensor Circuit Low
POA4D	Generator Position Sensor Circuit Low
POA4E	Generator Position Sensor Circuit High
POA4E	Generator Position Sensor Circuit High
POA4F	Generator Position Sensor Circuit Intermittent
POA50	Generator Position Sensor Circuit Overspeed
POA51	Drive Motor "A" Current Sensor Circuit
POA52	Drive Motor "A" Current Sensor Circuit Range/Performance
POA53	Drive Motor "A" Current Sensor Circuit Low
POA54	Drive Motor "A" Current Sensor Circuit High
POA55	Drive Motor "B" Current Sensor Circuit
POA56	Drive Motor "B" Current Sensor Circuit Range/Performance
POA57	Drive Motor "B" Current Sensor Circuit Low
POA58	Drive Motor "B" Current Sensor Circuit High
POA59	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>POAAF</b>	Hybrid Battery Pack Air Temperature Sensor "A" Circuit High
<b>POAAF</b>	High Voltage Battery Air Temperature Sensor "A" Circuit High
<b>POAB0</b>	Hybrid Battery Pack Air Temperature Sensor "A" Circuit Intermittent/Erratic
<b>POAB1</b>	Hybrid Battery Pack Air Temperature Sensor "B" Circuit
<b>POAB2</b>	Hybrid Battery Pack Air Temperature Sensor "B" Circuit Range/Performance
<b>POAB3</b>	Hybrid Battery Pack Air Temperature Sensor "B" Circuit Low
<b>POAB4</b>	Hybrid Battery Pack Air Temperature Sensor "B" Circuit High
<b>POAB5</b>	Hybrid Battery Pack Air Temperature Sensor "B" Circuit Intermittent/Erratic
<b>POAB6</b>	Engine Mount "B" Control Circuit/Open
<b>POAB7</b>	Engine Mount "B" Control Circuit Low
<b>POAB8</b>	Engine Mount "B" Control Circuit High
<b>POAB9</b>	Hybrid System Performance
<b>POABA</b>	Hybrid Battery Pack Voltage Sense "A" Circuit
<b>POABB</b>	Hybrid Battery Pack Voltage Sense "A" Circuit Range/Performance
<b>POABC</b>	Hybrid Battery Pack Voltage Sense "A" Circuit Low
<b>POABD</b>	Hybrid Battery Pack Voltage Sense "A" Circuit High
<b>POABE</b>	Hybrid Battery Pack Voltage Sense "A" Circuit Intermittent/Erratic
<b>POABF</b>	Hybrid Battery Pack Current Sensor "A" Circuit
<b>POAC0</b>	Hybrid Battery Pack Current Sensor "A" Circuit Range/Performance
<b>POAC1</b>	Hybrid Battery Pack Current Sensor "A" Circuit Low
<b>POAC1</b>	High Voltage Battery Current Sensor "A" Circuit Low
<b>POAC2</b>	Hybrid Battery Pack Current Sensor "A" Circuit High
<b>POAC2</b>	High Voltage Battery Current Sensor "A" Circuit High
<b>POAC3</b>	Hybrid Battery Pack Current Sensor "A" Circuit Intermittent/Erratic
<b>POAC4</b>	Hybrid Powertrain Control Module Requested MIL Illumination
<b>POAC5</b>	Hybrid Battery Temperature Sensor "B" Circuit
<b>POAC5</b>	High Voltage Battery Temperature Sensor 'B' Circuit
<b>POAC6</b>	Hybrid Battery Temperature Sensor "B" Range/Performance
<b>POAC7</b>	Hybrid Battery Temperature Sensor "B" Circuit Low
<b>POAC7</b>	High Voltage Battery Temperature Sensor "B" Circuit Low
<b>POAC8</b>	Hybrid Battery Temperature Sensor "B" Circuit High
<b>POAC8</b>	High Voltage Battery Temperature Sensor "B" Circuit High

Trouble code	Fault location
<b>POAC9</b>	Hybrid Battery Temperature Sensor "B" Circuit Intermittent/Erratic
<b>POACA</b>	Hybrid Battery Temperature Sensor "C" Circuit
<b>POACA</b>	High Voltage Battery Temperature Sensor 'C' Circuit
<b>POACB</b>	Hybrid Battery Temperature Sensor "C" Range/Performance
<b>POACC</b>	Hybrid Battery Temperature Sensor "C" Circuit Low
<b>POACC</b>	High Voltage Battery Temperature Sensor "C" Circuit Low
<b>POACD</b>	Hybrid Battery Temperature Sensor "C" Circuit High
<b>POACD</b>	High Voltage Battery Temperature Sensor "C" Circuit High
<b>POACE</b>	Hybrid Battery Temperature Sensor "C" Circuit Intermittent/Erratic
<b>POACF</b>	Hybrid Battery Pack Cooling Fan 3 Control Circuit/Open
<b>POAD0</b>	Hybrid Battery Pack Cooling Fan 3 Performance/Stuck Off
<b>POAD1</b>	Hybrid Battery Pack Cooling Fan 3 Stuck On
<b>POAD2</b>	Hybrid Battery Pack Cooling Fan 3 Control Circuit Low
<b>POAD3</b>	Hybrid Battery Pack Cooling Fan 3 Control Circuit High
<b>POAD4</b>	Hybrid Battery Pack Air Flow System Insufficient Air Flow
<b>POAD5</b>	Hybrid Battery Pack Air Flow Valve "A" Control Circuit/Open
<b>POAD6</b>	Hybrid Battery Pack Air Flow Valve "A" Control Circuit Range/Performance
<b>POAD7</b>	Hybrid Battery Pack Air Flow Valve "A" Control Circuit Low
<b>POAD8</b>	Hybrid Battery Pack Air Flow Valve "A" Control Circuit High
<b>POAD9</b>	Hybrid Battery Positive Contactor Control Circuit/Open
<b>POADA</b>	Hybrid Battery Positive Contactor Control Circuit Range/Performance
<b>POADB</b>	Hybrid Battery Positive Contactor Control Circuit Low
<b>POADC</b>	Hybrid Battery Positive Contactor Control Circuit High
<b>POADD</b>	Hybrid Battery Negative Contactor Control Circuit/Open
<b>POADE</b>	Hybrid Battery Negative Contactor Control Circuit Range/Performance
<b>POADF</b>	Hybrid Battery Negative Contactor Control Circuit Low
<b>POAE0</b>	Hybrid Battery Negative Contactor Control Circuit High
<b>POAE1</b>	Hybrid Battery Precharge Contactor Circuit
<b>POAE2</b>	Hybrid Battery Precharge Contactor Circuit Stuck Closed
<b>POAE3</b>	Hybrid Battery Precharge Contactor Circuit Stuck Open
<b>POAE4</b>	Hybrid Battery Precharge Contactor Control Circuit
<b>POAE5</b>	Hybrid Battery Precharge Contactor Control Circuit Range/Performance
<b>POAE6</b>	Hybrid Battery Precharge Contactor Control Circuit Low
<b>POAE7</b>	Hybrid Battery Precharge Contactor Control Circuit High

Trouble code	Fault location
<b>POAE8</b>	Hybrid Battery Temperature Sensor "D" Circuit
<b>POAE8</b>	High Voltage Battery Temperature Sensor 'D' Circuit
<b>POAE9</b>	Hybrid Battery Temperature Sensor "D" Range/Performance
<b>POAEA</b>	Hybrid Battery Temperature Sensor "D" Circuit Low
<b>POAEA</b>	High Voltage Battery Temperature Sensor "D" Circuit Low
<b>POAEB</b>	Hybrid Battery Temperature Sensor "D" Circuit High
<b>POAEB</b>	High Voltage Battery Temperature Sensor "D" Circuit High
<b>POAEC</b>	Hybrid Battery Temperature Sensor "D" Circuit Intermittent/Erratic
<b>POAED</b>	Drive Motor Inverter Temperature Sensor "A" Circuit
<b>POAEE</b>	Drive Motor Inverter Temperature Sensor "A" Circuit Range/Performance
<b>POAEE</b>	Drive Motor Inverter Temperature Sensor "A" Circuit Range/Performance
<b>POAEF</b>	Drive Motor Inverter Temperature Sensor "A" Circuit Low
<b>POAEF</b>	Drive Motor Inverter Temperature Sensor "A" Circuit Low
<b>POAF0</b>	Drive Motor Inverter Temperature Sensor "A" Circuit High
<b>POAF0</b>	Drive Motor Inverter Temperature Sensor "A" Circuit High
<b>POAF1</b>	Drive Motor Inverter Temperature Sensor "A" Circuit Intermittent/Erratic
<b>POAF2</b>	Drive Motor Inverter Temperature Sensor "B" Circuit
<b>POAF3</b>	Drive Motor Inverter Temperature Sensor "B" Circuit Range/Performance
<b>POAF4</b>	Drive Motor Inverter Temperature Sensor "B" Circuit Low
<b>POAF5</b>	Drive Motor Inverter Temperature Sensor "B" Circuit High
<b>POAF6</b>	Drive Motor Inverter Temperature Sensor "B" Circuit Intermittent/Erratic
<b>POAF7</b>	14 Volt Power Module Internal Temperature Too High
<b>POAF8</b>	Hybrid Battery System Voltage
<b>POAF9</b>	Hybrid Battery System Voltage Unstable
<b>POAFA</b>	Hybrid Battery System Voltage Low
<b>POAFB</b>	Hybrid Battery System Voltage High
<b>POAFC</b>	Hybrid Battery Pack Sensor Module
<b>POAFD</b>	Hybrid Battery Pack Temperature Too Low
<b>POAFE</b>	Hybrid Battery System Voltage Too Low for Voltage Step Up Conversion
<b>POAFF</b>	System Voltage Too Low for Voltage Step Down Conversion
<b>POB00</b>	Auxiliary Transmission Fluid Pump Motor Phase U Current
<b>POB01</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>POB69</b>	Hybrid Battery Voltage Sense "J" Circuit Range/Performance
<b>POB6A</b>	Hybrid Battery Voltage Sense "J" Circuit Low
<b>POB6B</b>	Hybrid Battery Voltage Sense "J" Circuit High
<b>POB6C</b>	Hybrid Battery Voltage Sense "J" Circuit Intermittent/Erratic
<b>POB6D</b>	Hybrid Battery Voltage Sense "K" Circuit
<b>POB6E</b>	Hybrid Battery Voltage Sense "K" Circuit Range/Performance
<b>POB6F</b>	Hybrid Battery Voltage Sense "K" Circuit Low
<b>POB70</b>	Hybrid Battery Voltage Sense "K" Circuit High
<b>POB71</b>	Hybrid Battery Voltage Sense "K" Circuit Intermittent/Erratic
<b>POB72</b>	Hybrid Battery Voltage Sense "L" Circuit
<b>POB73</b>	Hybrid Battery Voltage Sense "L" Circuit Range/Performance
<b>POB74</b>	Hybrid Battery Voltage Sense "L" Circuit Low
<b>POB75</b>	Hybrid Battery Voltage Sense "L" Circuit High
<b>POB76</b>	Hybrid Battery Voltage Sense "L" Circuit Intermittent/Erratic
<b>POB77</b>	Hybrid Battery Voltage Sense "M" Circuit
<b>POB78</b>	Hybrid Battery Voltage Sense "M" Circuit Range/Performance
<b>POB79</b>	Hybrid Battery Voltage Sense "M" Circuit Low
<b>POB7A</b>	Hybrid Battery Voltage Sense "M" Circuit High
<b>POB7B</b>	Hybrid Battery Voltage Sense "M" Circuit Intermittent/Erratic
<b>POB7C</b>	Hybrid Battery Voltage Sense "N" Circuit
<b>POB7D</b>	Hybrid Battery Voltage Sense "N" Circuit Range/Performance
<b>POB7E</b>	Hybrid Battery Voltage Sense "N" Circuit Low
<b>POB7F</b>	Hybrid Battery Voltage Sense "N" Circuit High
<b>POB80</b>	Hybrid Battery Voltage Sense "N" Circuit Intermittent/Erratic
<b>POB81</b>	Hybrid Battery Voltage Sense "O" Circuit
<b>POB82</b>	Hybrid Battery Voltage Sense "O" Circuit Range/Performance
<b>POB83</b>	Hybrid Battery Voltage Sense "O" Circuit Low
<b>POB84</b>	Hybrid Battery Voltage Sense "O" Circuit High
<b>POB85</b>	Hybrid Battery Voltage Sense "O" Circuit Intermittent/Erratic
<b>POB86</b>	Hybrid Battery Voltage Sense "P" Circuit
<b>POB87</b>	Hybrid Battery Voltage Sense "P" Circuit Range/Performance
<b>POB88</b>	Hybrid Battery Voltage Sense "P" Circuit Low
<b>POB89</b>	Hybrid Battery Voltage Sense "P" Circuit High
<b>POB8A</b>	Hybrid Battery Voltage Sense "P" Circuit Intermittent/Erratic
<b>POB8B</b>	Hybrid Battery Voltage Sense "Q" Circuit
<b>POB8C</b>	Hybrid Battery Voltage Sense "Q" Circuit Range/Performance
<b>POB8D</b>	Hybrid Battery Voltage Sense "Q" Circuit Low
<b>POB8E</b>	Hybrid Battery Voltage Sense "Q" Circuit High

Trouble code	Fault location
<b>POB8F</b>	Hybrid Battery Voltage Sense "Q" Circuit Intermittent/Erratic
<b>POB90</b>	Hybrid Battery Voltage Sense "R" Circuit
<b>POB91</b>	Hybrid Battery Voltage Sense "R" Circuit Range/Performance
<b>POB92</b>	Hybrid Battery Voltage Sense "R" Circuit Low
<b>POB93</b>	Hybrid Battery Voltage Sense "R" Circuit High
<b>POB94</b>	Hybrid Battery Voltage Sense "R" Circuit Intermittent/Erratic
<b>POB95</b>	Hybrid Battery Voltage Sense "S" Circuit
<b>POB96</b>	Hybrid Battery Voltage Sense "S" Circuit Range/Performance
<b>POB97</b>	Hybrid Battery Voltage Sense "S" Circuit Low
<b>POB98</b>	Hybrid Battery Voltage Sense "S" Circuit High
<b>POB99</b>	Hybrid Battery Voltage Sense "S" Circuit Intermittent/Erratic
<b>POB9A</b>	Hybrid Battery Voltage Sense "T" Circuit
<b>POB9B</b>	Hybrid Battery Voltage Sense "T" Circuit Range/Performance
<b>POB9C</b>	Hybrid Battery Voltage Sense "T" Circuit Low
<b>POB9D</b>	Hybrid Battery Voltage Sense "T" Circuit High
<b>POB9E</b>	Hybrid Battery Voltage Sense "T" Circuit Intermittent/Erratic
<b>POB9F</b>	Hybrid Battery Voltage Sense "U" Circuit
<b>POBA0</b>	Hybrid Battery Voltage Sense "U" Circuit Range/Performance
<b>POBA1</b>	Hybrid Battery Voltage Sense "U" Circuit Low
<b>POBA2</b>	Hybrid Battery Voltage Sense "U" Circuit High
<b>POBA3</b>	Hybrid Battery Voltage Sense "U" Circuit Intermittent/Erratic
<b>POBA4</b>	Hybrid Battery Voltage Sense "V" Circuit
<b>POBA5</b>	Hybrid Battery Voltage Sense "V" Circuit Range/Performance
<b>POBA6</b>	Hybrid Battery Voltage Sense "V" Circuit Low
<b>POBA7</b>	Hybrid Battery Voltage Sense "V" Circuit High
<b>POBA8</b>	Hybrid Battery Voltage Sense "V" Circuit Intermittent/Erratic
<b>POBA9</b>	Hybrid Battery Voltage Sense "W" Circuit
<b>POBAA</b>	Hybrid Battery Voltage Sense "W" Circuit Range/Performance
<b>POBAB</b>	Hybrid Battery Voltage Sense "W" Circuit Low
<b>POBAC</b>	Hybrid Battery Voltage Sense "W" Circuit High
<b>POBAD</b>	Hybrid Battery Voltage Sense "W" Circuit Intermittent/Erratic
<b>POBAE</b>	Hybrid Battery Voltage Sense "X" Circuit
<b>POBAF</b>	Hybrid Battery Voltage Sense "X" Circuit Range/Performance
<b>POBB0</b>	Hybrid Battery Voltage Sense "X" Circuit Low
<b>POBB1</b>	Hybrid Battery Voltage Sense "X" Circuit High
<b>POBB2</b>	Hybrid Battery Voltage Sense "X" Circuit Intermittent/Erratic
<b>POBB3</b>	Hybrid Battery Voltage Sense "Y" Circuit
<b>POBB4</b>	Hybrid Battery Voltage Sense "Y" Circuit Range/Performance

Trouble code	Fault location
<b>POBB5</b>	Hybrid Battery Voltage Sense "Y" Circuit Low
<b>POBB6</b>	Hybrid Battery Voltage Sense "Y" Circuit High
<b>POBB7</b>	Hybrid Battery Voltage Sense "Y" Circuit Intermittent/Erratic
<b>POBB8</b>	Hybrid Battery Voltage Sense "Z" Circuit
<b>POBB9</b>	Hybrid Battery Voltage Sense "Z" Circuit Range/Performance
<b>POBBA</b>	Hybrid Battery Voltage Sense "Z" Circuit Low
<b>POBBB</b>	Hybrid Battery Voltage Sense "Z" Circuit High
<b>POBBC</b>	Hybrid Battery Voltage Sense "Z" Circuit Intermittent/Erratic
<b>POBBD</b>	Hybrid Battery Pack Voltage Variation Exceeded Limit
<b>POBBE</b>	Hybrid Battery Pack Voltage Variation
<b>POBBF</b>	Hybrid Battery Pack Cooling Fan Supply Voltage Circuit/Open
<b>POBC0</b>	Hybrid Battery Pack Cooling Fan Supply Voltage Circuit Low
<b>POBC1</b>	Hybrid Battery Pack Cooling Fan Supply Voltage Circuit High
<b>POBC2</b>	Hybrid Battery Temperature Sensor "E" Circuit
<b>POBC3</b>	Hybrid Battery Temperature Sensor "E" Range/Performance
<b>POBC4</b>	Hybrid Battery Temperature Sensor "E" Circuit Low
<b>POBC4</b>	High Voltage Battery Temperature Sensor "E" Circuit Low
<b>POBC5</b>	Hybrid Battery Temperature Sensor "E" Circuit High
<b>POBC5</b>	High Voltage Battery Temperature Sensor "E" Circuit High
<b>POBC6</b>	Hybrid Battery Temperature Sensor "E" Circuit Intermittent/Erratic
<b>POBC7</b>	Hybrid Battery Pack Cooling Fan Sense Circuit/Open
<b>POBC8</b>	Hybrid Battery Pack Cooling Fan Sense Range/Performance
<b>POBC9</b>	Hybrid Battery Pack Cooling Fan Sense Circuit Low
<b>POBCA</b>	Hybrid Battery Pack Cooling Fan Sense Circuit High
<b>POBCB</b>	Hybrid Battery Pack Cooling Fan Sense Circuit Intermittent/Erratic
<b>POBCC</b>	Generator Inverter Temperature Sensor Circuit
<b>POBCD</b>	Generator Inverter Temperature Sensor Circuit Range/Performance
<b>POBCD</b>	Generator Inverter Temperature Sensor Circuit Range/Performance
<b>POBCE</b>	Generator Inverter Temperature Sensor Circuit Low
<b>POBCE</b>	Generator Inverter Temperature Sensor Circuit Low
<b>POBCF</b>	Generator Inverter Temperature Sensor Circuit High
<b>POBCF</b>	Generator Inverter Temperature Sensor Circuit High
<b>POBD0</b>	Generator Inverter Temperature Sensor Circuit Intermittent/Erratic
<b>POBD1</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>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>POC31</b>	Inverter "B" Cooling System Performance
<b>POC31</b>	Inverter "B" Cooling System Performance
<b>POC32</b>	Hybrid Battery Cooling System Performance
<b>POC33</b>	Hybrid Battery Temperature Sensor "F" Circuit
<b>POC34</b>	Hybrid Battery Temperature Sensor "F" Circuit Range/Performance
<b>POC35</b>	Hybrid Battery Temperature Sensor "F" Circuit Low
<b>POC36</b>	Hybrid Battery Temperature Sensor "F" Circuit High
<b>POC37</b>	Hybrid Battery Temperature Sensor "F" Circuit Intermittent/Erratic
<b>POC38</b>	DC/DC Converter Temperature Sensor "A" Circuit
<b>POC39</b>	DC/DC Converter Temperature Sensor "A" Range/Performance
<b>POC3A</b>	DC/DC Converter Temperature Sensor "A" Low
<b>POC3A</b>	DC/DC Converter Temperature Sensor "A" Low
<b>POC3B</b>	DC/DC Converter Temperature Sensor "A" High
<b>POC3B</b>	DC/DC Converter Temperature Sensor "A" High
<b>POC3C</b>	DC/DC Converter Temperature Sensor "A" Intermittent/Erratic
<b>POC3D</b>	DC/DC Converter Temperature Sensor "B" Circuit
<b>POC3E</b>	DC/DC Converter Temperature Sensor "B" Range/Performance
<b>POC3F</b>	DC/DC Converter Temperature Sensor "B" Low
<b>POC40</b>	DC/DC Converter Temperature Sensor "B" High
<b>POC41</b>	DC/DC Converter Temperature Sensor "B" Intermittent/Erratic
<b>POC42</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit
<b>POC43</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit Range/Performance
<b>POC44</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit Low
<b>POC45</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit High
<b>POC46</b>	Hybrid Battery Pack Coolant Temperature Sensor Circuit Intermittent/Erratic
<b>POC47</b>	Hybrid Battery Pack Coolant Pump Control Circuit/Open
<b>POC48</b>	Hybrid Battery Pack Coolant Pump Control Circuit Low
<b>POC49</b>	Hybrid Battery Pack Coolant Pump Control Circuit High
<b>POC4A</b>	Hybrid Battery Pack Coolant Pump Control Performance
<b>POC4B</b>	Hybrid Battery Pack Coolant Pump Supply Voltage Circuit/Open
<b>POC4C</b>	Hybrid Battery Pack Coolant Pump Supply Voltage Circuit Low
<b>POC4D</b>	Hybrid Battery Pack Coolant Pump Supply Voltage Circuit High
<b>POC4E</b>	Drive Motor "A" Position Exceeded Learning Limit

Trouble code	Fault location
<b>POC4F</b>	Drive Motor "B" Position Exceeded Learning Limit
<b>POC50</b>	Drive Motor "A" Position Sensor Circuit "A"
<b>POC51</b>	Drive Motor "A" Position Sensor Circuit "A" Range/Performance
<b>POC52</b>	Drive Motor "A" Position Sensor Circuit "A" Low
<b>POC53</b>	Drive Motor "A" Position Sensor Circuit "A" High
<b>POC54</b>	Drive Motor "A" Position Sensor Circuit "A" Intermittent/Erratic
<b>POC55</b>	Drive Motor "B" Position Sensor Circuit "A"
<b>POC56</b>	Drive Motor "B" Position Sensor Circuit "A" Range/Performance
<b>POC57</b>	Drive Motor "B" Position Sensor Circuit "A" Low
<b>POC58</b>	Drive Motor "B" Position Sensor Circuit "A" High
<b>POC59</b>	Drive Motor "B" Position Sensor Circuit "A" Intermittent/Erratic
<b>POC5A</b>	Drive Motor "A" Position Sensor Circuit "B"
<b>POC5B</b>	Drive Motor "A" Position Sensor Circuit "B" Range/Performance
<b>POC5C</b>	Drive Motor "A" Position Sensor Circuit "B" Low
<b>POC5D</b>	Drive Motor "A" Position Sensor Circuit "B" High
<b>POC5E</b>	Drive Motor "A" Position Sensor Circuit "B" Intermittent/Erratic
<b>POC5F</b>	Drive Motor "B" Position Sensor Circuit "B"
<b>POC60</b>	Drive Motor "B" Position Sensor Circuit "B" Range/Performance
<b>POC61</b>	Drive Motor "B" Position Sensor Circuit "B" Low
<b>POC62</b>	Drive Motor "B" Position Sensor Circuit "B" High
<b>POC63</b>	Drive Motor "B" Position Sensor Circuit "B" Intermittent/Erratic
<b>POC64</b>	Generator Position Sensor Circuit "A"
<b>POC65</b>	Generator Position Sensor Circuit "A" Range/Performance
<b>POC66</b>	Generator Position Sensor Circuit "A" Low
<b>POC67</b>	Generator Position Sensor Circuit "A" High
<b>POC68</b>	Generator Position Sensor Circuit "A" Intermittent/Erratic
<b>POC69</b>	Generator Position Sensor Circuit "B"
<b>POC6A</b>	Generator Position Sensor Circuit "B" Range/Performance
<b>POC6B</b>	Generator Position Sensor Circuit "B" Low
<b>POC6C</b>	Generator Position Sensor Circuit "B" High
<b>POC6D</b>	Generator Position Sensor Circuit "B" Intermittent/Erratic
<b>POC6E</b>	Hybrid Battery Temperature Sensor "A"/"B" Correlation
<b>POC6F</b>	Hybrid Battery Temperature Sensor "B"/"C" Correlation

Trouble code	Fault location
<b>POC70</b>	Hybrid Battery Temperature Sensor "C"/"D" Correlation
<b>POC71</b>	Hybrid Battery Temperature Sensor "D"/"E" Correlation
<b>POC72</b>	Hybrid Battery Temperature Sensor "E"/"F" Correlation
<b>POC73</b>	Motor Electronics Coolant Pump "A" Control Performance
<b>POC73</b>	Motor Electronics Coolant Pump "A" Control Performance
<b>POC74</b>	Motor Electronics Coolant Pump "B" Control Performance
<b>POC75</b>	Hybrid Battery System Discharge Time Too Short
<b>POC76</b>	Hybrid Battery System Discharge Time Too Long
<b>POC77</b>	Hybrid Battery System Precharge Time Too Short
<b>POC78</b>	Hybrid Battery System Precharge Time Too Long
<b>POC79</b>	Drive Motor "A" Inverter Voltage Too High
<b>POC7A</b>	Drive Motor "B" Inverter Voltage Too High
<b>POC7B</b>	Generator Inverter Voltage Too High
<b>POC7C</b>	Hybrid Battery Temperature Sensor "G" Circuit
<b>POC7D</b>	Hybrid Battery Temperature Sensor "G" Range/Performance
<b>POC7E</b>	Hybrid Battery Temperature Sensor "G" Circuit Low
<b>POC7F</b>	Hybrid Battery Temperature Sensor "G" Circuit High
<b>POC80</b>	Hybrid Battery Temperature Sensor "G" Circuit Intermittent/Erratic
<b>POC81</b>	Hybrid Battery Temperature Sensor "H" Circuit
<b>POC82</b>	Hybrid Battery Temperature Sensor "H" Range/Performance
<b>POC83</b>	Hybrid Battery Temperature Sensor "H" Circuit Low
<b>POC84</b>	Hybrid Battery Temperature Sensor "H" Circuit High
<b>POC85</b>	Hybrid Battery Temperature Sensor "H" Circuit Intermittent/Erratic
<b>POC86</b>	Hybrid Battery Temperature Sensor "F"/"G" Correlation
<b>POC87</b>	Hybrid Battery Temperature Sensor "G"/"H" Correlation

Hyundai Specific Codes

# HYUNDAI

## Specific Trouble Codes

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

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

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



# Hyundai - Specific Trouble Codes

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

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

Trouble code	Fault location
P1196	Limp Home-Close Stuck
P1196	Throttle Actuator Control System Limp Home-Stuck
P1221	Feedback (Main Duty) Solenoid
P1229	LPG Relay Circuit High
P1229	Fuel Pump Diagnosis Malfunction
P1230	Slow Duty Solenoid
P1230	Fuel Pump malfunction
P1231	Fuel Pump malfunction
P1235	Active Air Flap System Fail
P1236	Active Air Flap F/B Voltage Low
P1237	Active Air Flap F/B Voltage High
P1240	Second Lock Solenoid
P1240	Injector Leak Detected
P1250	Pressure Regulator Solenoid Malfunction
P1252	Pressure Regulator Solenoid High
P1282	Humidity Sensor Open (High) - AUTO Defog
P1283	Direction Potentiometer Open (Low) - AUTO Defog
P1284	Direction Potentiometer Short (High) - Auto Defog
P1285	Direction Control Motor -AUTO Defog
P1290	Pressure Limit Valve (DVB3) Error
P1295	ETC System Power Management
P1295	Limp Home Mode - Power Management
P1300	TDC Sensor
P1300	Spark Timing Adjust Signal
P1300	Crankshaft Position-Camshaft Position Correlation
P1301	TDC Sensor - Abnormal
P1302	TDC Sensor - Low Input
P1303	TDC Sensor - High Input
P1304	Phase Sensor
P1305	Phase Sensor - Abnormal
P1306	Phase Sensor - Low Input
P1307	Phase Sensor - High Input
P1307	Acceleration Sensor Range/Performance
P1307	Accelerator Pedal Position Sensor (APS) Malfunction
P1308	Acceleration Sensor Circuit Low Input
P1308	Acceleration Sensor - Low Input
P1309	Acceleration Sensor Circuit High Input
P1309	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
P1539	LPI Gas Injection
P1539	IFB ECU-Malfunction
P1540	LPI Gas System
P1540	CHECK IFB ECU (Mil off Error)
P1545	A/C Compressor Switch Open/Short
P1550	Knock Sensor Evaluation IC Error
P1550	Knock Sensor Evaluation IC Error
P1552	ISC Actuator (Close)-Short
P1552	Idle Speed Control Actuator Circuit 2-High
P1553	ISC Actuator (Close)-Open
P1553	Idle Speed Control Actuator Circuit 2-Low
P1555	Idle CO Potentiometer Open/Short
P1555	Idle Co Potentiometer Open or Short
P1560	Knock Control Serial Port Interface check (Bank 1)
P1560	Knock Control Serial Port Interface check (Bank 1)
P1566	Analog Battery Sensor Circuit
P1569	Fuel Pressure Control Valve Current Abnormal
P1572	Cruise Control System-Vehicle Speed lower than target speed
P1573	Cruise Control System-Vehicle Speed Too low
P1586	MT/AT Encoding Signal Error
P1586	MT/AT Encoding Signal Malfunction
P1593	VICS Solenoid Valve 1 Circuit Malfunction
P1600	Serial Communication-Malfunction (With A/T)
P1600	Serial Communication Problem With TCM
P1601	ECU 'L' Line
P1602	Serial Communication Problem-TCM
P1602	Serial Communication Problem With TCM
P1602	CAN Communication-No Signal
P1603	ECM-TCS Control Module Communication Line
P1603	ECU-TCU Communication Line Malfunction
P1603	TCU Communication Line or TCU Error
P1603	ECM-TCS Communication Line Malfunction
P1603	CAN-Bus-Off(TCU Fail or Circuit Fail)
P1603	CAN Communication Bus Off
P1604	TPS Communication Unification Malfunction.
P1604	CAN-Bus-Off(TCU Fail or Circuit Fail)
P1604	No ID From ECU Malfunction
P1604	Lost Communication With ECM/PCM 'A' (C-CAN)

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

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

# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

Trouble code	Fault location
P2086	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 2
P2087	Exhaust Gas Temperature Sensor Circuit Intermittent Bank 2 Sensor 2
P2088	A Camshaft Position Actuator Control Circuit Low Bank 1
P2089	A Camshaft Position Actuator Control Circuit High Bank 1
P208A	Reductant Pump Control Circuit/Open
P208B	Reductant Pump Control Range/Performance
P208C	Reductant Pump Control Circuit Low
P208D	Reductant Pump Control Circuit High
P208E	Reductant Injection Valve Stuck Closed Bank 1 Unit 1
P208F	Reductant Injection Valve Stuck Closed Bank 2 Unit 1
P2090	B Camshaft Position Actuator Control Circuit Low Bank 1
P2091	B Camshaft Position Actuator Control Circuit High Bank 1
P2092	A Camshaft Position Actuator Control Circuit Low Bank 2
P2093	A Camshaft Position Actuator Control Circuit High Bank 2
P2094	B Camshaft Position Actuator Control Circuit Low Bank 2
P2095	B Camshaft Position Actuator Control Circuit High Bank 2
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1
P2096	HO2S Fuel Trim too Lean
P2096	Post Catalyst Fuel Trim System too Lean (Bank 1)
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1
P2097	HO2S Fuel Trim too Rich
P2097	Post Catalyst Fuel Trim System too Rich (Bank 1)
P2098	Post Catalyst Fuel Trim System Too Lean Bank 2
P2098	Post Catalyst Fuel Trim System Too Lean (Bank 2)
P2099	Post Catalyst Fuel Trim System Too Rich Bank 2
P2099	Post Catalyst Fuel Trim System Too Rich (Bank 2)
P2100	Throttle Actuator Control Motor Circuit/Open
P2100	Electric Throttle Valve Control System (ETS) Motor Power Open
P2100	Throttle Actuator Control Motor Circuit /Open
P2101	Throttle Actuator Control Motor Circuit Range/Performance
P2101	Throttle Actuator Control System (ETS) Motor Circuit-Range / Performance
P2101	Throttle Actuator Control Motor Circuit Range/Performance
P2102	Throttle Actuator Control Motor Circuit Low
P2102	Throttle Actuator Control Motor Circuit Low
P2102	Throttle Actuator Control Motor Circuit Low



# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

Trouble code	Fault location
P2273	O2 Sensor Stuck Rich - Bank2 Sensor 2
P2273	O2 Sensor Signal Stuck Rich (Bank 2 Sensor 2)
P2274	O2 Sensor Signal Stuck Lean Bank 1 Sensor 3
P2275	O2 Sensor Signal Stuck Rich Bank 1 Sensor 3
P2276	O2 Sensor Signal Stuck Lean Bank 2 Sensor 3
P2277	O2 Sensor Signal Stuck Rich Bank 2 Sensor 3
P2278	O2 Sensor Signals Swapped Bank 1 Sensor 3 / Bank 2 Sensor 3
P2279	Intake Air System Leak
P2280	Air Flow Restriction / Air Leak Between Air Filter and MAF
P2280	Air Leak Between Filter & MAF
P2281	Air Leak Between MAF and Throttle Body
P2282	Air Leak Between Throttle Body and Intake Valves
P2283	Injector Control Pressure Sensor Circuit
P2284	Injector Control Pressure Sensor Circuit Range/Performance
P2285	Injector Control Pressure Sensor Circuit Low
P2286	Injector Control Pressure Sensor Circuit High
P2287	Injector Control Pressure Sensor Circuit Intermittent
P2288	Injector Control Pressure Too High
P2289	Injector Control Pressure Too High - Engine Off
P2290	Injector Control Pressure Too Low
P2291	Injector Control Pressure Too Low - Engine Cranking
P2292	Injector Control Pressure Erratic
P2293	Fuel Pressure Regulator 2 Performance
P2294	Fuel Pressure Regulator 2 Control Circuit
P2295	Fuel Pressure Regulator 2 Control Circuit Low
P2296	Fuel Pressure Regulator 2 Control Circuit High
P2297	O2 Sensor Out of Range During Deceleration Bank 1 Sensor 1
P2297	H02S Out of Range During Deceleration (Bank 1 / Sensor 1)
P2297	O2 Sensor Out of Range During Deceleration - (Bank 1 Sensor 1)
P2298	O2 Sensor Out of Range During Deceleration Bank 2 Sensor 1
P2299	Brake Pedal Position / Accelerator Pedal Position Incompatible
P2300	Ignition Coil "A" Primary Control Circuit Low
P2301	Ignition Coil "A" Primary Control Circuit High
P2302	Ignition Coil "A" Secondary Circuit
P2303	Ignition Coil "B" Primary Control Circuit Low
P2304	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	H02S 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
P2435	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 2
P2436	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Range/Performance Bank 2
P2437	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low Bank 2
P2438	Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Bank 2
P2439	Secondary Air Injection System Air Flow/Pressure Sensor Circuit Intermittent/Erratic Bank 2
P2440	Secondary Air Injection System Switching Valve Stuck Open Bank 1
P2441	Secondary Air Injection System Switching Valve Stuck Closed Bank 1
P2442	Secondary Air Injection System Switching Valve Stuck Open Bank 2
P2443	Secondary Air Injection System Switching Valve Stuck Closed Bank 2
P2444	Secondary Air Injection System Pump Stuck On Bank 1
P2445	Secondary Air Injection System Pump Stuck Off Bank 1
P2446	Secondary Air Injection System Pump Stuck On Bank 2
P2447	Secondary Air Injection System Pump Stuck Off Bank 2
P2448	Secondary Air Injection System High Air Flow Bank 1
P2449	Secondary Air Injection System High Air Flow Bank 2
P2450	Evaporative Emission System Switching Valve Performance/ Stuck Open
P2451	Evaporative Emission System Switching Valve Stuck Closed
P2457	Exhaust Gas Recirculation Cooling System Performance
P2466	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 3
P2467	Exhaust Gas Temperature Sensor Circuit Range/Performance Bank 2 Sensor 3
P2468	Exhaust Gas Temperature Sensor Circuit Low Bank 2 Sensor 3
P2469	Exhaust Gas Temperature Sensor Circuit High Bank 2 Sensor 3
P2470	Exhaust Gas Temperature Sensor Circuit Low Bank 1 Sensor 4
P2471	Exhaust Gas Temperature Sensor Circuit High Bank 1 Sensor 4
P2472	Exhaust Gas Temperature Sensor Circuit Intermittent/Erratic Bank 1 Sensor 4
P2473	Exhaust Gas Temperature Sensor Circuit Bank 2 Sensor 4

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

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

# Hyundai - Specific Trouble Codes

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

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

Trouble code	Fault location
P2610	ECM / PCM-Engine Off Timer Performance
P2610	ECM/PCM Internal Engine Off Timer Performance
P2611	A/C Refrigerant Distribution Valve Control Circuit/Open
P2612	A/C Refrigerant Distribution Valve Control Circuit Low
P2613	A/C Refrigerant Distribution Valve Control Circuit High
P2614	Camshaft Position Signal Output Circuit/Open
P2615	Camshaft Position Signal Output Circuit Low
P2616	Camshaft Position Signal Output Circuit High
P2617	Crankshaft Position Signal Output Circuit/Open
P2618	Crankshaft Position Signal Output Circuit Low
P2619	Crankshaft Position Signal Output Circuit High
P2620	Throttle Position Output Circuit/Open
P2621	Throttle Position Output Circuit Low
P2622	Throttle Position Output Circuit High
P2623	Injector Control Pressure Regulator Circuit/Open
P2624	Injector Control Pressure Regulator Circuit Low
P2625	Injector Control Pressure Regulator Circuit High
P2626	O2 Sensor Pumping Current Trim Circuit/Open Bank 1 Sensor 1
P2626	H02S Pumping Current Trim Circuit/Open (Bank 1 / Sensor 1)
P2626	O2 Sensor Pumping Current Trim Circuit/Open (Bank 1 Sensor 1)
P2627	O2 Sensor Pumping Current Trim Circuit Low Bank 1 Sensor 1
P2628	O2 Sensor Pumping Current Trim Circuit High Bank 1 Sensor 1
P2629	O2 Sensor Pumping Current Trim Circuit/Open Bank 2 Sensor 1
P2630	O2 Sensor Pumping Current Trim Circuit Low Bank 2 Sensor 1
P2631	O2 Sensor Pumping Current Trim Circuit High Bank 2 Sensor 1
P2632	Fuel Pump "B" Control Circuit /Open
P2633	Fuel Pump "B" Control Circuit Low
P2634	Fuel Pump "B" Control Circuit High
P2635	Fuel Pump "A" Low Flow / Performance
P2636	Fuel Pump "B" Low Flow / Performance
P2637	Torque Management Feedback Signal "A"
P2637	Torque Management Feedback Signal "A"
P2638	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
P2731	Pressure Control Solenoid "F"
P2732	Pressure Control Solenoid "F" Performance or Stuck Off
P2733	Pressure Control Solenoid "F" Stuck On
P2734	Pressure Control Solenoid "F" Electrical
P2735	Pressure Control Solenoid "F" Intermittent
P2736	Pressure Control Solenoid "F" Control Circuit/Open
P2737	Pressure Control Solenoid "F" Control Circuit Range/Performance
P2738	Pressure Control Solenoid "F" Control Circuit Low
P2739	Pressure Control Solenoid "F" Control Circuit High
P273A	Transmission Friction Element "G" Apply Time Range/Performance
P273B	Transmission Friction Element "H" Apply Time Range/Performance
P2740	Transmission Fluid Temperature Sensor "B" Circuit
P2741	Transmission Fluid Temperature Sensor "B" Circuit Range Performance
P2742	Transmission Fluid Temperature Sensor "B" Circuit Low
P2743	Transmission Fluid Temperature Sensor "B" Circuit High
P2744	Transmission Fluid Temperature Sensor "B" Circuit Intermittent
P2745	Intermediate Shaft Speed Sensor "B" Circuit
P2746	Intermediate Shaft Speed Sensor "B" Circuit Range/Performance
P2747	Intermediate Shaft Speed Sensor "B" Circuit No Signal
P2748	Intermediate Shaft Speed Sensor "B" Circuit Intermittent
P2749	Intermediate Shaft Speed Sensor "C" Circuit
P2750	Intermediate Shaft Speed Sensor "C" Circuit Range/Performance
P2751	Intermediate Shaft Speed Sensor "C" Circuit No Signal
P2752	Intermediate Shaft Speed Sensor "C" Circuit Intermittent
P2753	Transmission Fluid Cooler Control Circuit/Open
P2754	Transmission Fluid Cooler Control Circuit Low
P2755	Transmission Fluid Cooler Control Circuit High
P2756	Torque Converter Clutch Pressure Control Solenoid
P2757	Torque Converter Clutch Pressure Control Solenoid Control Circuit Performance or Stuck Off
P2758	Torque Converter Clutch Pressure Control Solenoid Control Circuit Stuck On
P2759	Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical

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

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



# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

Trouble code	Fault location
P3497	Cylinder Deactivation System Bank 2

## B Codes

Trouble code	Fault location
B0001	Driver Frontal Stage 1 Deployment Control (Subfault)
B0002	Driver Frontal Stage 2 Deployment Control (Subfault)
B0003	Driver Frontal Stage 3 Deployment Control (Subfault)
B0004	Driver Knee Bolster Deployment Control (Subfault)
B0005	Collapsible Steering Column Deployment Control (Subfault)
B0010	Passenger Frontal Stage 1 Deployment Control (Subfault)
B0011	Passenger Frontal Stage 2 Deployment Control (Subfault)
B0012	Passenger Frontal Stage 3 Deployment Control (Subfault)
B0013	Passenger Knee Bolster Deployment Control (Subfault)
B0020	Left Side Airbag Deployment Control (Subfault)
B0021	Left Curtain Deployment Control 1 (Subfault)
B0022	Left Curtain Deployment Control 2 (Subfault)
B0028	Right Side Airbag Deployment Control (Subfault)
B0029	Right Curtain Deployment Control 1 (Subfault)
B002A	Right Curtain Deployment Control 2 (Subfault)
B0030	Second Row Left Side Airbag Deployment Control (Subfault)
B0031	Second Row Left Frontal Stage 1 Deployment Control (Subfault)
B0032	Second Row Left Frontal Stage 2 Deployment Control (Subfault)
B0033	Second Row Left Frontal Stage 3 Deployment Control (Subfault)
B0038	Second Row Right Side Airbag Deployment Control (Subfault)
B0039	Second Row Right Frontal Stage 1 Deployment Control (Subfault)
B003A	Second Row Right Frontal Stage 2 Deployment Control (Subfault)
B003B	Second Row Right Frontal Stage 3 Deployment Control (Subfault)
B0040	Third Row Left Side Airbag Deployment Control (Subfault)
B0041	Third Row Left Frontal Stage 1 Deployment Control (Subfault)
B0042	Third Row Left Frontal Stage 2 Deployment Control (Subfault)
B0043	Third Row Left Frontal Stage 3 Deployment Control (Subfault)
B0048	Third Row Right Side Airbag Deployment Control (Subfault)
B0049	Third Row Right Frontal Stage 1 Deployment Control (Subfault)
B004A	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
B1241	Evap. Sensor - Low Input
B1241	Evaporator Sensor Short (Low)
B1242	Evap. Sensor - High Input
B1242	Evaporator Sensor Open (High)
B1243	Driver Air Mix Potentiometer.
B1244	Driver Air Mix Potentiometer - Abnormal
B1245	Driver Air Mix Feedback-Open
B1245	Air Mix Potentiometer Open (Low)-Driver
B1246	Driver Air Mix Feedback-Short
B1246	Air Mix Potentiometer Short (High)-Driver
B1247	Direction Potentiometer.
B1248	Direction Potentiometer. - Abnormal
B1249	Driver Direction Mode Selection Feedback-Open
B1249	Direction Potentiometer Open (Low)-Driver
B1250	Driver Direction Mode Selection Feedback-Short
B1250	Direction Mode Feedback Short (High)-Driver
B1250	Direction Potentiometer Short (High)-Driver
B1251	Pressure Sensor.#1
B1252	Pressure Sensor.#1-Abnormal
B1253	Pressure Sensor.#1-Low
B1254	Pressure Sensor.#1-High
B1255	Pressure Sensor.#2
B1256	Pressure Sensor.#2-Abnormal
B1257	Pressure Sensor.#2-Low
B1257	AQS Sensor Open
B1258	Pressure Sensor.#2-High
B1258	AQS Sensor Short
B1259	Pressure Sensor.#3
B1259	AQS Sensor Fault
B1260	Pressure Sensor.#3-Abnormal
B1260	Air Mix Potentiometer Open (Low)-Console
B1261	Pressure Sensor.#3-Low
B1261	Air Mix Potentiometer Short (High)-Console
B1262	Pressure Sensor.#3-High
B1262	Direction (Rear) Potentiometer Open (Low)
B1263	Pressure Sensor.#4
B1263	Direction Potentiometer Short (High)-Console
B1264	Pressure Sensor.#4-Abnormal.

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

Trouble code	Fault location
B1295	Duct Sensor Open (High) - Vent Right
B1296	Duct Sensor Short (Low) - Floor Right
B1297	Duct Sensor Open (High) - Floor Right
B1298	Duct Sensor Short (Low) - PTC
B1299	Duct Sensor Open (High) - PTC
B1300	Steering Angle Signal Implausible
B1301	Steering Angle Signal Fault
B1302	Gearbox Signal Fault-CAN Signal
B1302	TGS Signal Fault
B1303	Accelerator pedal signal fault
B1303	Accelerator Pedal Position Signal Error
B1304	Engine state signal fault
B1305	Yaw Rate Sensor Signal Fault
B1306	Brake pedal signal fault
B1307	Air suspension ECU sensor signal invalid
B1308	Lamp Function Signal Fault
B1319	OCS Required Weight Check
B1320	WCS(Weight Classification System) communication line short to Ground
B132000	WCS(Weight Classification System) communication line short to Ground
B1321	OCS short to Battery or No Response
B132100	OCS short to Battery or No Response
B1322	WCS Sensor Defect
B1322	WCS ECU Defect
B1322	WCS(Weight Classification System) ECU Defect
B132200	WCS(Weight Classification System) ECU Defect
B1323	WCS Sensor Defect
B1323	OCS Sensor Defect
B1323	WCS(Weight Classification System)Sensor Mat Defect
B132300	WCS(Weight Classification System)Sensor Mat Defect
B1324	WCS Communication Error
B1324	WCS(Weight Classification System)Communication Error
B132400	WCS(Weight Classification System)Communication Error
B1325	WCS Wrong ID
B1325	WCS(Weight Classification System)Wrong ID
B132500	WCS(Weight Classification System)Wrong ID
B1326	FIS(Front Impact Sensor)-Driver Short to Ground
B132600	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
B2401	Leveling Motor Fault Right
B2405	Air Mix Motor-Console
B2406	Driver Air Mix Door Motor
B2406	Air Mix Motor-Driver
B2407	Air Mix Motor - Abnormal
B2408	Air Mix Motor - Electrical
B2408	Intake Motor
B2409	Driver Mode Selection Door Motor
B2409	Direction Control Motor-Driver
B2410	Direction Control Motor Abnormal
B2411	Direction Control Motor Electrical.
B2411	Direction Control Motor-Console
B2411	Direction Control Motor (Rear)
B2415	PS Air Mix Door Motor
B2415	Air Mix Door Motor-Passenger
B2416	PS Mode Select Door Motor
B2416	Direction Control Motor-Passenger
B2417	Direction Control Motor-Vent
B2418	Direction Control Motor-Floor
B2419	Direction Control Motor-Defog
B2420	Drive Motor Open
B2421	Drive Motor Short High
B2421	Drive Motor Output Short To Battery
B2422	Drive Motor Short Low
B2422	Drive Motor Output Short To Ground
B2423	Clutch Open or Short High
B2424	Clutch Short Low
B2425	Pinch Strip Open/Stuck High
B2425	Left Pinch Strip Circuit Open or Short to Battery
B2426	Pinch Strip Stuck Low
B2426	Left Pinch Strip Circuit Open or Short to Ground
B2427	Right Pinch Strip Open/Stuck High
B2428	Right Pinch Strip Stuck Low
B2429	Folding Motor Power Feed Error
B2441	Right Rear Wiper Park Position Detect Fail
B2447	Air Mix Motor VENT-Console
B2448	Air Mix Motor TEMP-Console
B2450	Unlatch Motor Short High

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

Trouble code	Fault location
B2508	Passenger airbag Telltale lamp Circuit short or short to battery
B250800	Passenger airbag Telltale lamp Circuit short or short to battery
B2509	Passenger Airbag on/off warning lamp Open or Short to Ground
B250900	Passenger Airbag on/off warning lamp Open or Short to Ground
B250E	Static Bending Lamp RH Short to Ground
B250F	Static Bending Lamp LH Short to Ground
B2510	Right Headlamp High Circuit Short to Ground
B251000	Head Lamp High RH SCG
B2511	Left Headlamp High Circuit Short to Ground
B251100	Head Lamp High LH SCG
B2512	Right Headlamp Low Circuit Short to Ground
B251200	Head Lamp Low RH SCG
B2513	Left Headlamp Low Circuit Short to Ground
B251300	Head Lamp Low LH SCG
B2514	External Tail Lamp RH Circuit Short to Ground
B251400	External Tail Lamp RH Circuit Short to Ground
B2515	External Tail Lamp LH Circuit Short to Ground
B251500	External Tail Lamp LH Circuit Short to Ground
B2516	Front Fog Lamp Circuit Short to Ground
B251600	Front Fog Lamp Circuit Short to Ground
B2517	Internal Tail Lamp Circuit Short to Ground
B251700	Internal Tail Lamp Circuit Short to Ground
B2518	Turn Signal LH Front Open Circuit
B251800	Turn Signal LH Front Open Circuit
B2519	Turn Signal LH Rear Open Circuit
B251900	Turn Signal LH Rear Open Circuit
B251A00	Rear Fog Lamp SCG
B251D00	Stop Lamp Right Circuit Short to Ground
B251E00	Stop Lamp Left Circuit Short to Ground
B251F00	High Mounted Stop Lamp Short to Ground
B2520	Turn Signal RH Front Open Circuit
B252000	Turn Signal RH Front Open Circuit
B2521	Brake Circuit Open or Fuse Fail
B2521	Turn Signal RH Rear Open Circuit
B252100	Turn Signal RH Rear Open Circuit
B2522	Turn Signal LH Front Circuit Short to Ground
B252200	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 Flecion 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
C1258	Magnet Setting Error
C1259	Steering Sensor
C1259	Steering Angle Sensor-Electrical
C1259	Steering Angle Sensor - Electrical Malfunction
C1259	Steering Angle Sensor Circuit-Signal
C1260	Steering Sensor - Abnormal
C1260	Steering Angle Sensor Circuit-Signal
C1260	Steering Angle Sensor-Signal
C1260	Internal Signal not Plausible
C1261	Steering Sensor - Low
C1261	Steering Angle Sensor Not Calibrated
C1262	Steering Sensor - High
C1262	Temperature Sensor Failure
C1263	Water Temperature Sensor
C1264	Water Temperature Sensor- Abnormal
C1265	Water Temperature Sensor- Low Input
C1266	Water Temperature Sensor- High Input
C1267	Oil Temperature. Sensor
C1268	Oil Temperature. Sensor Abnormal
C1268	Brake Fluid Low Fail
C1269	Oil Temperature. Sensor Low
C1270	Oil Temperature. Sensor High
C1270	Temperature / Overload
C1271	Engine Speed
C1272	Engine Speed - Abnormal
C1272	Engine Speed Input-Malfunction
C1273	Engine Speed - No Signal
C1274	G Sensor Signal-Fail
C1274	Longitudinal G sensor Circuit
C1274	Longitudinal G sensor Signal Fail
C1274	Longitudinal G sensor open/short
C1274	Longitudinal G Sensor Range/Performance error
C1275	G Sensor-Open Or Short
C1275	Longitudinal Acceleration Sensor
C1275	Longitudinal G sensor Signal Fail
C1275	Longitudinal G Sensor Range/Performance error
C1276	G Sensor Signal Low
C1277	G Sensor Signal High

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

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

# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

Trouble code	Fault location
C1617	EMS Invalid Engine Speed
C1618	EMS CAN Engine Torque Error
C1619	EMS Plausibility Fault
C1620	First Setup Not Completed
C1620	ALIGNMENT FAILED
C1620	1st Set-up Not Completed
C1620	1st Set-up Not Completed(Height Sensor Not Calibrated)
C1621	Vehicle Speed Sensor Fail
C1621	Excessive Operating TEMP.
C1622	Engine Speed Signal
C1622	EMS invalid vehicle speed
C1623	Lost Communication with Steering Angle Sensor
C1623	CAN Time-out Steering Angle Sensor
C162385	CAN Time-out Steering Angle Sensor
C162387	CAN Time-out Steering Angle Sensor
C1624	CAN not-OK Steering angle sensor
C1625	Lost Communication With Anti-Lock Brake System (ABS) Control Module
C1625	CAN Time-Out ABS/ESP
C1625	CAN Time-out ABS/ESC
C1625	CAN Time-out ABS/ESC(ESP)
C162500	CAN Time-Out ABS/ESP
C162500	CAN time-out ESC
C162581	CAN Time-Out ABS/ESP
C162585	CAN Time-Out ABS/ESP
C162587	CAN Time-Out ABS/ESP
C162587	CAN Time-out ABS/ESC(ESP)
C1626	Implausible Control
C1627	4WD CAN Signal or Communication Error
C1627	CAN Time-out 4WD
C162700	CAN Time-out 4WD
C1628	CAN Time-out Cluster
C1628	CAN Time-out Cluster
C162800	CAN Time-out Cluster
C162887	CAN Time-out Cluster
C1629	Cluster Invalid Counter
C162A	CAN Time-Out Cluster for Driving Mode
C1631	Torque Sensor Main Signal Fault
C1632	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
C2219	Front Right(FR) Actuator - Electrical
C2220	Actuator-Rear Left(RL)
C2220	Rear-LH Actuator Malfunction
C2221	Rear Left(RL) Actuator - Abnormal
C2222	Rear Left(RL) Actuator - Stuck On
C2222	Actuator Failure - 4WD
C2223	Rear Left(RL) Actuator - Electrical
C222386	MDPS Steering Control Failure
C2224	Actuator-Rear Right(RR)
C2224	Rear-RH Actuator Malfunction
C2224	Rear-RH (or rear) actuator circuit
C2225	Rear Right(RR) Actuator - Abnormal
C2226	Rear Right(RR) Actuator - Stuck On
C2226	Output Voltage Short to Battery or Short to Ground
C2227	Rear Right(RR) Actuator - Electrical
C2227	Excessive Temperature Of Brake Disc
C2228	CAN signal error TCM for SCC (Check TCM)
C2229	Actuator Failure - EMS
C2230	Solenoid Malfunction
C2231	Vacuum Pump System Fail
C2240	Unknown Actuator State
C2243	Gear Fault
C2300	Front Valve
C2301	Front Valve - Abnormal
C2302	Front Valve - Stuck On
C2302	Solenoid Valve Failure - Front Left
C2302	Air Spring Valve-FL Open/Short
C2303	Front Valve - Electrical
C2303	Solenoid Valve Failure - Front Right
C2303	Air Spring Valve-FR Open/Short
C2304	Rear Valve
C2305	Rear Valve - Abnormal
C2306	Rear Valve - Stuck On
C2306	Solenoid Valve Failure - Rear Left
C2306	Air Spring Valve-RL Open/Short
C2307	Rear Valve - Electrical
C2307	Solenoid Valve Failure - Rear Right
C2307	Air Spring Valve-RR Open/Short

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

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

# Hyundai - Specific Trouble Codes

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

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

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

## U Codes

U0001	High Speed CAN Communication Bus
U0001	CAN Bus OFF
U0001	TCU Communication Line or TCU Error
U0001	CAN Communication Malfunction
U0001	CAN Communication Bus Off
U0001	CAN BUS OFF
U0001	High Speed CAN Communication Bus off (C-CAN)
U0001	High Speed CAN Communication Bus (C-CAN)
U0001	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
U0114	Lost Communication With Four-Wheel Drive Clutch Control Module
U0115	Lost Communication With ECM/PCM "B"
U0116	Lost Communication With Coolant Temperature Control Module
U0118	Lost Communication With Fuel Additive Control Module
U0119	Lost Communication With Fuel Cell Control Module
U0120	Lost Communication With Starter / Generator Control Module
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module
U0121	Lost Communication With Anti-Lock System (ABS) Control Module
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module
U0122	Lost Communication With Vehicle Dynamics Control Module
U0122	Lost Communication With Vehicle Dynamics Control Module (C-CAN)
U0122	CAN TCS Communication
U0122	Lost Communication With Vehicle Dynamics Control Module
U0123	Lost Communication With Yaw Rate Sensor Module
U0124	Lost Communication With Lateral Acceleration Sensor Module
U0125	Lost Communication With Multi-axis Acceleration Sensor Module
U0126	Lost Communication With Steering Angle Sensor Module
U0126	Steering Angle Signal Fault
U0126	Lost Communication With Steering Angle Sensor Module
U0127	Lost Communication With Tire Pressure Monitor Module
U0128	Lost Communication With Park Brake Control Module
U0129	Lost Communication With Brake System Control Module
U0129	Lost Communication With Brake System Control Module (C-CAN)
U0130	Lost Communication With Steering Effort Control Module
U0131	Lost Communication With Power Steering Control Module
U0132	Lost Communication With Ride Level Control Module
U0133	Lost Communication With Active Roll Control Module
U0134	Lost Communication With Power Steering Control Module Rear

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

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

# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

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



# Hyundai - Specific Trouble Codes

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

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

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

# Hyundai - Specific Trouble Codes

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

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

Trouble code	Fault location
U1002	Lost Communication with ECM (H-CAN)
U1003	Temperature Sensor Signal Error in Head Unit
U1003	Lost Communication With TCM (H-CAN)
U1004	Temperature Sensor Signal Error in Tunner and Amplifier
U1004	Lost Communication with Hybrid Powertrain Control Module (H-CAN)
U1005	Lost Communication with Drive Motor Control Module (H-CAN)
U1006	Low Voltage Detected
U1006	Lost Communication with Battery Energy Control Module "A" (H-CAN)
U1007	High Voltage Detected
U1007	CAN Timeout OPU on C-CAN
U1010	Low Voltage Detected
U1011	High Voltage Detected
U1045	Sticking Key on Central Control Panel
U1065	Sticking Key on Rear Armrest Controller
U1100	High Speed CAN 2 Lost communication (EMS-DCT)
U1103	Lost Communication With TGS Lever
U1111	Battery Sensor fault detected by ECU
U1111	BS_signal frame(Data) Error
U1111	Lin Message Timeout with EBS
U1112	LIN Communication Error
U1116	Lost Communication With Motor Electronics Coolant Pump (C-CAN)
U1117	High Speed CAN2 Communication (EMS-DCT)
U1121	Lost Communication With Electric Stability Program Module
U1138	Fan Operation Error(Fan is running although should be off)
U1139	Fan Operation Error - no plug put or line open(Fan is not running although it should be on)
U1401	MOST Critical Unlock Detected
U1440	Ring Break Between Head Unit and TV Unit
U1441	Ring Break Before Position 1
U1442	Ring Break Between TV Unit and Amplifier Unit
U1443	Mozen : Ring Break Between Amplifier Unit and Mozen Unit, Non Mozen : Amplifier Unit and Head Unit
U1444	Mozen : Ring Break Between Mozen Unit and Head Unit, Non Mozen : Ignore
U144F	Ring Break Without Position Detection
U1500	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/Woofers 1(+), 1(-) short circuit
<b>U1711</b>	Amplifier stage group 2 Error - S/Woofers 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