

Subaru ECU Trouble Codes

- 1983-88 Subaru Carbureted Models
- 1984-86 Fuel Injected Models
- 1987 Fuel Injected Models
- 1988 (& later) Single-Point Fuel Injection Models
- 1988 (& later) Multi-Point Fuel Injection Models (including Legacy) *
- Subaru OBD2 Codes Subaru Specific Codes OBD-II OBD2 (1996 & newer)

* These cover 90-94 OBD1

1983-88 Subaru Carbureted Models	
11	Ignition pulse system/crank angle sensor(87 & later)
12	Ignition pulse system (1983 only)/Starter switch (84 & later)
13	Crank angle sensor or circuit
14	Vacuum switches stay on or off (1983 only)/Duty solenoid or circuit(1983 to 1985)/Injectors 1 & 2 (87-up)
15	Solenoid valve stays on or off (1983 only)/Coasting Fuel Cut (CFC) system (1983 to 1985)
16	Feedback system (1983 to 1985 Models)
17	Fuel pump and automatic choke (1983 to 1985 carbureted)
21	Ignition pulse system (1983 only)/coolant temperature sensor or circuit (1983 to 1985 carbureted)
22	Ignition pulse system (1983 only)/Vehicle speed sensor or circuit or VLC solenoid valve or circuit. (1984 to 1988 carbureted)
23	Oxygen sensor or circuit (1983 to 1988)/pressure sensor or circuit (1983 to 1985)
24	Vacuum switches stay on or off (1983 only)/coolant temperature sensor or circuit, or Idle-up solenoid or circuit (1984 to 1988 carbureted)
25	Manifold vacuum sensor or circuit/coolant temperature sensor or circuit on 1984 Models)/float chamber vent solenoid valve or circuit (1983 to 1985)
32	Coolant temperature sensor or circuit (1983)/Oxygen sensor or circuit (1984 to 1988)
33	Main system in feedback (1983 to 1988)/Vehicle speed sensor or circuit (1983 to 1985)
34	Choke power stays on or off (1983)/EGR system solenoid or circuit (1883 to 1988)
35	Canister purge solenoid or circuit (1983 to 1985)
41	Vacuum switches stay on or off (1983 only)/Feedback system (California Models 1983 to 1985)
42	Vacuum switches stay on or off (1983 only)/clutch switch or circuit (1983 to 1988)
43	Choke power stays on or off (1983)
46	Radiator fan control (1983 to 1985)
52	Solenoid valve control system or clutch switch
53	Fuel pump circuit or Altitude compensator switch
54	Choke control system
55	Upshift control or EGR sensor
56	EGR system

62	Exhaust Gas Recirculation (EGR) solenoid valve control or Idle-up system
63	Canister solenoid valve or circuit/Idle-up system
64	Vacuum line control valve or circuit
65	Float chamber vent control valve circuit
71	Ignition pulse system
73	Ignition pulse system
74	Ignition pulse system

1984-86 Fuel Injected Models	
11	Ignition pulse
12	Starter switch off
13	Starter switch on
14	Airflow meter or circuit
15	Atmospheric pressure switch - fixed value
16	Crank angle sensor or circuit
17	Starter switch or circuit
21	Seized airflow meter flap
22	Pressure or vacuum switches - fixed value
23	Idle switch - fixed value
24	Wide open throttle switch - fixed value
25	Throttle sensor idle switch or circuit
31	Speed sensor or circuit
32	Oxygen sensor or circuit
33	Coolant sensor or circuit
34	Abnormal aspirated air thermosensor
35	Air flow meter/EGR solenoid switch or circuit
41	Atmospheric pressure sensor or circuit
42	Fuel injector - fixed value
43	KDLH control system
46	Neutral or parking switch or circuit
47	Fuel injector
53	Fuel pump or circuit
55	KDLH control system
57	Canister control system
58	Air control system
62	EGR control system
88	TBI control unit

1987 Fuel Injected Models

11	Ignition pulse/crank angle sensor
12	Starter switch or circuit
13	Crank angle sensor or circuit
14	Injectors 1 and 2
15	Injectors 3 and 4
21	Coolant temperature sensor or circuit
22	Knock sensor or circuit
23	Air flow meter or circuit
24	Air control
31	Throttle sensor or circuit
32	Oxygen sensor or circuit
33	Vehicle Speed Sensor (VSS) or circuit
34	EGR solenoid valve stuck on or off
35	Purge control solenoid or circuit
41	Lean fuel mixture indicated
42	Idle switch or circuit
45	Kick-down relay or circuit
51	Neutral switch or circuit
61	Parking switch or circuit

1988 (& later) Single-Point Fuel Injection Models	
11	Crank angle sensor or circuit
12	Starter switch or circuit
13	Crank angle sensor or circuit
14	Fuel injector - abnormal output
21	Coolant temperature or circuit
23	Air flow meter or circuit
24	Air control valve or circuit
31	Throttle sensor or circuit
32	Oxygen sensor or circuit
33	Vehicle Speed Sensor or circuit
34	EGR solenoid or circuit
35	Purge control solenoid or circuit
42	Idle switch or circuit
45	Kick-down control relay or circuit
51	Neutral switch continuously in the on position
55	EGR temperature sensor or circuit
61	Parking switch or circuit

1988 & Later Models with Multi-Point Fuel Injection (including Legacy)	
11	Crank angle sensor or circuit
12	Starter switch or circuit
13	Cam position sensor or circuit (TDC sensor on Justy)
14	Fuel injector no. 1 (Legacy, Impreza, Justy, SVX); Fuel injector 1 and 2 (XT, Loyale, GL, DL)
15	Fuel injector no. 2 (Legacy, Impreza, Justy, SVX); Fuel injector 3 and 4 (Loyale, GL, DL); Fuel injector 5 and 6 (XT6)</> TD>
16	Fuel injector no. 3 (Legacy, Impreza, Justy, SVX); Fuel injector 3 and 4 (XT)
17	Fuel injector no. 4 (Legacy, Impreza, SVX); Fuel injector 1 and 2 (XT6)
18	Fuel injector no. 5 (SVX)
19	Fuel injector no. 6 (SVX)
21	Coolant temperature sensor or circuit
22	Knock sensor or circuit (right side on SVX)
23	Air flow meter or circuit (exc. Justy); Pressure sensor (Justy)
24	Air control valve or circuit (exc. Justy); Idle speed control solenoid valve (Justy)
25	Fuel Injector 3 and 4 (XT6)
26	Air temperature sensor (Justy)
28	Knock sensor no. 2 (SVX, left side)
29	Crank angle sensor (SVX, no. 2)
31	Throttle position sensor or circuit
32	Oxygen sensor or circuit (no. 1, right side on SVX)
33	Vehicle speed sensor (VSS) or circuit
34	EGR solenoid valve
35	Canister purge solenoid or circuit
36	Air suction solenoid valve (Impreza); Igniter circuit (Justy)
37	Oxygen sensor (no. 2, left side , SVX)
38	Engine torque control (SVX)
41	Air/fuel adaptive control
42	Idle switch or circuit
43	Throttle switch (Justy)
44	Wastegate duty solenoid (turbo)
45	Pressure duty solenoid (turbo)/atmospheric pressure sensor circuit (non-turbo)
49	Airflow sensor
51	Neutral switch (manual transmission)/inhibitor switch (automatic transmission)
52	Parking brake switch (exc. Justy)/Clutch switch (Justy)
55	EGR temperature sensor
56	EGR system
61	Parking brake switch (Loyale)/Fuel tank pressure control solenoid valve (Impreza)
62	Fuel temperature sensor (Impreza)/Electric load signal (Justy)

63	Fuel tank pressure sensor (Impreza)/Blower fan switch (Justy)
65	Vacuum pressure sensor

Subaru Specific Codes OBD-II OBD2 (1996 & newer)

EOBD fault codes P0000-P0099

Code	Description
P0031	Front oxygen (A/F) sensor heater circuit low input
P0032	Front oxygen (A/F) sensor heater circuit high input
P0037	Rear oxygen sensor heater circuit malfunction
P0038	Rear oxygen sensor heater circuit high input
P0065	Air assist injector solenoid valve malfunction
P0066	Air assist injector solenoid valve circuit low input
P0067	Air assist injector solenoid valve circuit high input

EOBD fault codes P0100-P0199

Code	Description
P0100	Mass or Volume Air flow Circuit Malfunction
P0101	Mass or Volume Air flow Circuit Range/Performance Problem
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 Malfunction
P0106	Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance Problem
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 Circuit Malfunction
P0111	Intake Air Temperature Circuit Range/Performance Problem
P0112	Intake Air Temperature Circuit Low Input
P0113	Intake Air Temperature Circuit High Input
P0114	Intake Air Temperature Circuit Intermittent
P0115	Engine Coolant Temperature Circuit Malfunction
P0116	Engine Coolant Temperature Circuit Range/Performance Problem
P0117	Engine Coolant Temperature Circuit Low Input
P0118	Engine Coolant Temperature Circuit High Input
P0119	Engine Coolant Temperature Circuit Intermittent
P0120	Throttle Pedal Position Sensor/Switch A Circuit Malfunction
P0121	Throttle/Pedal Position Sensor/Switch A Circuit Range/Performance Problem
P0122	Throttle/Pedal Position Sensor/Switch A Circuit Low Input
P0123	Throttle/Pedal Position Sensor/Switch A Circuit High Input
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
P0130	Ox Sensor Circuit Malfunction (Bank 1 Sensor 1 - Front)
P0131	Ox Sensor Circuit Low Voltage (Bank 1 Sensor 1 - Front)
P0132	Ox Sensor Circuit High Voltage (Bank 1 Sensor 1 - Front)

P0133	Ox Sensor Circuit Slow Response (Bank 1 Sensor 1 - Front)
P0134	Ox Sensor Circuit No Activity Detected (Bank 1 Sensor 1 - Front)
P0135	Ox Sensor Heater Circuit Malfunction (Bank 1 Sensor 1 - Front)
P0136	Ox Sensor Circuit Malfunction (Bank 1 Sensor 2 - Rear)
P0137	Ox Sensor Circuit Low Voltage (Bank 1 Sensor 2 - Rear)
P0138	Ox Sensor Circuit High Voltage (Bank 1 Sensor 2 - Rear)
P0139	Ox Sensor Circuit Slow Response (Bank 1 Sensor 2 - Rear)
P0140	Ox Sensor Circuit No Activity Detected (Bank 1 Sensor 2 - Rear)
P0141	Ox Sensor Heater Circuit Malfunction (Bank 1 Sensor 2 - Rear)
P0142	Ox Sensor Circuit Malfunction (Bank 1 Sensor 3)
P0143	Ox Sensor Circuit Low Voltage (Bank 1 Sensor 3)
P0144	Ox Sensor Circuit High Voltage (Bank 1 Sensor 3)
P0145	Ox Sensor Circuit Slow Response (Bank 1 Sensor 3)
P0146	Ox Sensor Circuit No Activity Detected (Bank 1 Sensor 3)
P0147	Ox Sensor Heater Circuit Malfunction (Bank 1 Sensor 3)
P0150	Ox Sensor Circuit Malfunction (Bank 2 Sensor 1)
P0151	Ox Sensor Circuit Low Voltage (Bank 2 Sensor 1)
P0152	Ox Sensor Circuit High Voltage (Bank 2 Sensor 1)
P0153	Ox Sensor Circuit Slow Response (Bank 2 Sensor 1)
P0154	Ox Sensor Circuit No Activity Detected (Bank 2 Sensor 1)
P0155	Ox Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)
P0156	Ox Sensor Circuit Malfunction (Bank 2 Sensor 2)
P0157	Ox Sensor Circuit Low Voltage (Bank 2 Sensor 2)
P0158	Ox Sensor Circuit High Voltage (Bank 2 Sensor 2)
P0159	Ox Sensor Circuit Slow Response (Bank 2 Sensor 2)
P0160	Ox Sensor Circuit No Activity Detected (Bank 2 Sensor 2)
P0161	Ox Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)
P0162	Ox Sensor Circuit Malfunction (Bank 2 Sensor 3)
P0163	Ox Sensor Circuit Low Voltage (Bank 2 Sensor 3)
P0164	Ox Sensor Circuit High Voltage (Bank 2 Sensor 3)
P0165	Ox Sensor Circuit Slow Response (Bank 2 Sensor 3)
P0166	Ox Sensor Circuit No Activity Detected (Bank 2 Sensor 3)
P0167	Ox Sensor Heater Circuit Malfunction (Bank 2 Sensor 3)
P0170	Fuel Trim Malfunction (Bank 1)
P0171	System Too Lean (Bank 1)
P0172	System Too Rich (Bank 1)
P0173	Fuel Trim Malfunction (Bank 2)
P0174	System Too Lean (Bank 2)
P0175	System Too Rich (Bank 2)
P0176	Fuel Composition Sensor Circuit Malfunction
P0177	Fuel Composition Sensor Circuit Range/Performance
P0178	Fuel Composition Sensor Circuit Low Input
P0179	Fuel Composition Sensor Circuit High Input
P0180	Fuel Temperature Sensor A Circuit Malfunction
P0181	Fuel Temperature Sensor A Circuit Performance
P0182	Fuel Temperature Sensor A Circuit low Input
P0183	Fuel Temperature Sensor A Circuit High Input
P0184	Fuel Temperature Sensor A Circuit Intermittent

P0185	Fuel Temperature Sensor B Circuit Malfunction
P0186	Fuel Temperature Sensor B Circuit Range/Performance
P0187	Fuel Temperature Sensor U Circuit Low Input
P0188	Fuel Temperature Sensor B Circuit High Input
P0189	Fuel Temperature Sensor B Circuit Intermittent
P0190	Fuel Rail Pressure Sensor Circuit 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 Malfunction
P0196	Engine Oil Temperature Sensor Range/Performance
P0197	Engine Oil Temperature Sensor Low
P0198	Engine Oil Temperature Sensor High
P0199	Engine Oil Temperature Sensor Intermittent

EOBD fault codes P0200-P0298

Code	Description
P0200	Injector Circuit Malfunction
P0201	Injector Circuit Malfunction - Cylinder 1
P0202	Injector Circuit Malfunction - Cylinder 2
P0203	Injector Circuit Malfunction - Cylinder 3
P0204	Injector Circuit Malfunction - Cylinder 4
P0205	Injector Circuit Malfunction - Cylinder 5
P0206	Injector Circuit Malfunction - Cylinder 6
P0207	Injector Circuit Malfunction - Cylinder 7
P0208	Injector Circuit Malfunction - Cylinder 8
P0209	Injector Circuit Malfunction - Cylinder 9
P0210	Injector Circuit Malfunction - Cylinder 10
P0211	Injector Circuit Malfunction - Cylinder 11
P0212	Injector Circuit Malfunction - Cylinder 12
P0213	Cold Start Injector 1 Malfunction
P0214	Cold Start Injector 2 Malfunction
P0215	Engine Shutoff Solenoid Malfunction
P0216	Injection Timing Control Circuit Malfunction
P0217	Engine Overtemp Condition
P0218	Transmission Over Temperature Condition
P0219	Engine Over Speed Condition
P0220	Throttle/Pedal Position Sensor/Switch B Circuit Malfunction
P0221	Throttle/Pedal Position Sensor/Switch B Circuit Range/Performance Problem
P0222	Throttle/Pedal Position Sensor/Switch B Circuit Low Input
P0223	Throttle/Pedal Position Sensor/Switch B Circuit High Input
P0224	Throttle/Pedal Position Sensor/Switch B Circuit Intermittent
P0225	Throttle/Pedal Position Sensor/Switch C Circuit Malfunction
P0226	Throttle/Pedal Position Sensor/Switch C Circuit Range/Performance Problem
P0227	Throttle/Pedal Position Sensor/Switch C Circuit Low Input
P0228	Throttle/Pedal Position Sensor/Switch C Circuit High Input
P0229	Throttle/Pedal Position Sensor/Switch C Circuit Intermittent
P0230	Fuel Pump Primary Circuit Malfunction

P0231	Fuel Pump Secondary Circuit Low
P0232	Fuel Pump Secondary Circuit High
P0233	Fuel Pump Secondary Circuit Intermittent
P0234	Turbocharger Overboost Condition
P0235	Turbocharger Boost Sensor A Circuit Malfunction
P0236	Turbocharger Boost Sensor A Circuit Range/Performance
P0237	Turbocharger Boost Sensor A Circuit Low
P0238	Turbocharger Boost Sensor A Circuit High
P0239	Turbocharger Boost Sensor B Circuit Malfunction
P0240	Turbocharger Boost Sensor B Circuit Range/Performance
P0241	Turbocharger Boost Sensor B Circuit Low
P0242	Turbocharger Boost Sensor B Circuit High
P0243	Turbocharger Wastegate Solenoid A Malfunction
P0244	Turbocharger Wastegate Solenoid A Range/Performance
P0245	Turbocharger Wastegate Solenoid A low
P0246	Turbocharger Wastegate Solenoid A High
P0247	Turbocharger Wastegate Solenoid B Malfunction
P0248	Turbocharger Wastegate Solenoid B Range/Performance
P0249	Turbocharger Wastegate Solenoid B Low
P0250	Turbocharger Wastegate Solenoid B High
P0251	Injection Pump Fuel Metering Control "A" Malfunction (Cam/Rotor/Injector)
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" Malfunction (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 lump 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 Fault
P0264	Cylinder 2 Injector Circuit Low
P0265	Cylinder 2 Injector Circuit High
P0266	Cylinder 2 Contribution/Balance Fault
P0267	Cylinder 3 Injector Circuit Low
P0268	Cylinder 3 Injector Circuit High
P0269	Cylinder 3 Contribution/Balance Fault
P0270	Cylinder 4 Injector Circuit Low
P0271	Cylinder 4 Injector Circuit High
P0272	Cylinder 4 Contribution/Balance Fault
P0273	Cylinder 5 Injector Circuit Low
P0274	Cylinder 5 Injector Circuit High
P0275	Cylinder 5 Contribution/Balance Fault
P0276	Cylinder 6 Injector Circuit Low
P0277	Cylinder 6 Injector Circuit High

P0278	Cylinder 6 Contribution/Balance Fault
P0279	Cylinder 7 Injector Circuit Low
P0280	Cylinder 7 Injector Circuit High
P0281	Cylinder 7 Contribution/Balance Fault
P0282	Cylinder 8 Injector Circuit Low
P0283	Cylinder 8 Injector Circuit High
P0284	Cylinder 8 Contribution/Balance Fault
P0285	Cylinder 9 Injector Circuit Low
P0286	Cylinder 9 Injector Circuit High
P0287	Cylinder 9 Contribution/Balance Fault
P0288	Cylinder 10 Injector Circuit Low
P0289	Cylinder 10 Injector Circuit High
P0290	Cylinder 10 Contribution/balance Fault
P0291	Cylinder 11 Injector Circuit Low
P0292	Cylinder 11 Injector Circuit High
P0293	Cylinder 11 Contribution/balance Fault
P0294	Cylinder 12 Injector Circuit Low
P0295	Cylinder 12 Injector Circuit High
P0296	Cylinder 12 Contribution/Balance Fault
P0298	Engine Oil Over Temperature

EOBD fault codes P0300-P0389

Code	Description
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
P0309	Cylinder 9 Misfire Detected
P0310	Cylinder 10 Misfire Detected
P0311	Cylinder 11 Misfire Detected
P0312	Cylinder 12 Misfire Detected
P0313	Misfire Detected with Low Fuel
P0314	Single Cylinder Misfire (Cylinder not Specified)
P0320	Ignition/Distributor Engine Speed Input Circuit Malfunction
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
P0325	Knock Sensor 1 Circuit Malfunction (Bank 1 or Single Sensor)
P0326	Knock Sensor 1 Circuit Range/Performance (Bank 1 or Single Sensor)
P0327	Knock Sensor 1 Circuit low Input (Bank 1 or Single Sensor)
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)
P0329	Knock Sensor 1 Circuit Input Intermittent (Bank 1 or Single Sensor)
P0330	Knock Sensor 2 Circuit Malfunction (Bank 2)

P0331	Knock Sensor 2 Circuit Range/Performance (Bank 2)
P0332	Knock Sensor 2 Circuit Low Input (Bank 2)
P0333	Knock Sensor 2 Circuit High Input (Bank 2)
P0334	Knock Sensor 2 Circuit Input Intermittent (Bank 2)
P0335	Crankshaft Position Sensor A 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
P0340	Camshaft Position Sensor Circuit Malfunction
P0341	Camshaft Position Sensor Circuit Range/Performance
P0342	Camshaft Position Sensor Circuit Low Input
P0343	Camshaft Position Sensor Circuit High Input
P0344	Camshaft Position Sensor Circuit Intermittent
P0350	Ignition Coil Primary/Secondary Circuit Malfunction
P0351	Ignition Coil A Primary/Secondary Circuit Malfunction
P0352	Ignition Coil B Primary/Secondary Circuit Malfunction
P0353	Ignition Coil C Primary/Secondary Circuit Malfunction
P0354	Ignition Coil D Primary/Secondary Circuit Malfunction
P0355	Ignition Coil E Primary/Secondary Circuit Malfunction
P0356	Ignition Coil F Primary/Secondary Circuit Malfunction
P0357	Ignition Coil G Primary/Secondary Circuit Malfunction
P0358	Ignition Coil H Primary/Secondary Circuit Malfunction
P0359	Ignition Coil I Primary/Secondary Circuit Malfunction
P0360	Ignition Coil J Primary/Secondary Circuit Malfunction
P0361	Ignition Coil K Primary/Secondary Circuit Malfunction
P0362	Ignition Coil L Primary/Secondary Circuit Malfunction
P0370	Timing Reference High Resolution Signal A Malfunction
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
P0374	Timing Reference High Resolution Signal A No Pulses
P0375	Timing Reference High Resolution Signal B Malfunction
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
P0380	Glow Plug/Heater Circuit "A" Malfunction
P0381	Glow Plug/Heater Indicator Circuit Malfunction
P0382	Glow Plug/Heater Circuit "B" Malfunction
P0385	Crankshaft Position Sensor B Circuit Malfunction
P0386	Crankshaft Position Sensor B Circuit Range/Performance
P0387	Crankshaft Position Sensor B Circuit Low Input
P0388	Crankshaft Position Sensor B Circuit High Input
P0389	Crankshaft Position Sensor B Circuit Intermittent

EOBD fault codes P0400-P0492

Code	Description
P0400	Exhaust Gas Recirculation Flow Malfunction

P0401	Exhaust Gas Recirculation Flow Insufficient Detected
P0402	Exhaust Gas Recirculation Flow Excessive Detected
P0403	Exhaust Gas Recirculation Circuit Malfunction
P0404	Exhaust Gas Recirculation 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
P0410	Secondary Air Injection System Malfunction
P0411	Secondary Air Injection System Incorrect Flow Detected
P0412	Secondary Air Injection System Switching Valve A Circuit Malfunction
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 Malfunction
P0416	Secondary Air Injection System Switching Valve B Circuit Open
P0417	Secondary Air Injection System Switching Valve B Circuit Shorted
P0418	Secondary Air Injection System Relay "A" circuit Malfunction
P0419	Secondary Air Injection System Relay "B" Circuit Malfunction
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)
P0430	Catalyst System Efficiency Below Threshold (Bank 2)
P0431	Warm Up Catalyst 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)
P0440	Evaporative Emission Control System Malfunction
P0441	Evaporative Emission Control System Incorrect Purge flow
P0442	Evaporative Emission Control System leak Detected (small leak)
P0443	Evaporative Emission Control System Purge Control Valve circuit Malfunction
P0444	Evaporative Emission Control System Purge Control Valve Circuit Open
P0445	Evaporative Emission Control System Purge Control Valve Circuit Shorted
P0446	Evaporative Emission Control System Vent Control Circuit Malfunction
P0447	Evaporative Emission Control System Vent Control Circuit Open
P0448	Evaporative Emission Control System Vent Control Circuit Shorted
P0449	Evaporative Emission Control System Vent Valve/Solenoid Circuit Malfunction
P0450	Evaporative Emission Control System Pressure Sensor Malfunction
P0451	Evaporative Emission Control System Pressure Sensor Range/Performance
P0452	Evaporative Emission Control System Pressure Sensor Low Input
P0453	Evaporative Emission Control System Pressure Sensor High Input
P0454	Evaporative Emission Control System Pressure Sensor Intermittent
P0455	Evaporative Emission Control System Tank Detected (gross leak)
P0460	Fuel Level Sensor Circuit Malfunction
P0461	Fuel Level Sensor Circuit Range/Performance
P0462	Fuel Level Sensor Circuit Low Input
P0463	Fuel Level Sensor Circuit High Input

P0464	Fuel Level Sensor Circuit Intermittent
P0465	Purge Flow Sensor Circuit Malfunction
P0466	Purge Flow Sensor Circuit Range/Performance
P0467	Purge Flow Sensor Circuit Low Input
P0468	Purge Flow Sensor Circuit High Input
P0469	Purge Flow Sensor Circuit Intermittent
P0470	Exhaust Pressure Sensor Malfunction
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 Malfunction
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	Cooling Fan 1 Control Circuit Malfunction
P0481	Cooling Fan 2 Control Circuit Malfunction
P0482	Cooling Fan 3 Control Circuit Malfunction
P0483	Cooling Fan Rationality Check Malfunction
P0484	Cooling Fan Circuit Over Current
P0485	Cooling Fan Power/Ground Circuit Malfunction
P0486	Exhaust Gas Recirculation Sensor "B" Circuit
P0487	Exhaust Gas Recirculation Throttle Position Control Circuit
P0488	Exhaust Gas Recirculation Throttle Position Control Range/Performance
P0491	Secondary Air Injection System (Bank 1)
P0492	Secondary Air Injection System (Bank 2)

EOBD fault codes P0500-P0578

Code	Description
P0500	Vehicle Speed Sensor Malfunction
P0501	Vehicle Speed Sensor Range/Performance
P0502	Vehicle Speed Sensor Circuit Low Input
P0503	Vehicle Speed Sensor Intermittent/Erratic/High
P0505	Idle Control System Malfunction
P0506	Idle Control System RPM lower Than Expected
P0507	Idle Control System RPM higher Than Expected
P0510	Closed Throttle Position Switch Malfunction
P0520	Engine Oil Pressure Sensor/Switch Circuit Malfunction
P0521	Engine Oil Pressure Sensor/Switch Range/Performance
P0522	Engine Oil Pressure Sensor/Switch Low Voltage
P0523	Engine Oil Pressure Sensor/Switch High Voltage
P0530	A/C Refrigerant Pressure Sensor Circuit Malfunction
P0531	A/C Refrigerant Pressure Sensor Circuit Range/Performance
P0532	A/C Refrigerant Pressure Sensor Circuit Low Input
P0533	A/C Refrigerant pressure Sensor Circuit High Input
P0534	Air Conditioner Refrigerant Charge Loss
P0550	Power Steering Pressure Sensor Circuit Malfunction
P0551	Power Steering Pressure Sensor Circuit Range/Performance

P0552	Power Steering Pressure Sensor Circuit Low Input
P0553	Power Steering Pressure Sensor Circuit High Input
P0554	Power Steering Pressure sensor Circuit Intermittent
P0560	System Voltage Malfunction
P0561	System Voltage Unstable
P0562	System Voltage Low
P0563	System Voltage High
P0565	Cruise Control On Signal Malfunction
P0566	Cruise Control Off Signal Malfunction
P0567	Cruise Control Resume Signal Malfunction
P0568	Cruise Control Set Signal Malfunction
P0569	Cruise Control Coast Signal Malfunction
P0570	Cruise Control Accel Signal Malfunction
P0571	Cruise Control/Brake Switch A Circuit Malfunction
P0572	Cruise Control/Brake Switch A Circuit Low
P0573	Cruise Control/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	through P0580 Reserved for Cruise Control Codes

EOBD fault codes P0660-P0665

Code	Description
P0600	Serial Communication Link Malfunction
P0601	Internal Control Module Memory Check Sum Error
P0602	Control Module Programming Error
P0603	Internal Control Module Keep Alive Memory (KAM) Error
P0604	Internal Control Module Random Access Memory (RAM) Error
P0605	Internal Control Module Read Only Memory (ROM) Error
	(Module Identification Defined by SAE J1979)
P0606	ECM/PCM Processor Fault
P0608	Control Module VSS Output "A" Malfunction
P0609	Control Module VSS Output "B" Malfunction
P0610	Control Module VSS Output "B" Malfunction
P0615	Starter Relay Circuit
P0616	Starter Relay Circuit Low
P0617	Starter Relay Circuit High
P0618	Alternative Fuel Control Module KAM Error
P0619	Alternative Fuel Control Module RAM/ROM Error
P0620	Generator Control Circuit Malfunction
P0621	Generator Lamp "L" Control Circuit Malfunction
P0622	Generator Field "F" Control Circuit Malfunction
P0623	Generator Lamp Control Circuit
P0624	Fuel Cap Lamp Control Circuit
P0630	VIN Not Programmed or Mismatch - ECM/PCM
P0631	VIN Not Programmed or Mismatch - TCM
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
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 Malfunction
P0654	Engine RPM Output Circuit Malfunction
P0655	Engine Hot Lamp Output Control Circuit Malfunction
P0656	Fuel Level Output Circuit Malfunction
P0660	Intake Manifold Tuning Valve Control Circuit (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 (Bank 2)
P0664	Intake Manifold Tuning Valve Control Circuit Low (Bank 2)
P0665	Intake Manifold Tuning Valve Control Circuit High (Bank 2)

EOBD fault codes P0700-P0799

Code	Description
P0700	Transmission Control System Malfunction
P0701	Transmission Control System Range/Performance
P0702	Transmission Control System Electrical
P0703	Torque Converter/Brake Switch B Circuit Malfunction
P0704	Clutch Switch Input Circuit Malfunction
P0705	Transmission Range Sensor Circuit Malfunction (PRNDL Input)
P0706	Transmission Range Sensor Circuit Range/Performance
P0707	Transmission Range Sensor Circuit Low Input
P0708	Transmission Range Sensor Circuit High Input
P0709	Transmission Range Sensor Circuit Intermittent
P0710	Transmission Fluid Temperature Sensor Circuit Malfunction
P0711	Transmission Fluid Temperature Sensor Circuit Range/Performance
P0712	Transmission Fluid Temperature Sensor Circuit Low Input
P0713	Transmission Fluid Temperature Sensor Circuit High Input
P0714	Transmission Fluid Temperature Sensor Circuit Intermittent
P0715	Input/Turbine Speed Sensor Circuit Malfunction
P0716	Input/Turbine Speed Sensor Circuit Range/Performance
P0717	Input/Turbine Speed Sensor Circuit No Signal
P0718	Input/Turbine Speed Sensor Circuit Intermittent
P0719	Torque Converter/Brake Switch B Circuit Low
P0720	Output Speed Sensor Circuit Malfunction
P0721	Output Speed Sensor Circuit Range/Performance
P0722	Output Speed Sensor Circuit No Signal
P0723	Output Speed Sensor Circuit Intermittent
P0724	Torque Converter/Brake Switch B Circuit High
P0725	Engine Speed Input Circuit Malfunction
P0726	Engine Speed Input Circuit Range/Performance

P0727	Engine Speed Input Circuit No Signal
P0728	Engine Speed Input Circuit Intermittent
P0730	Incorrect Gear 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
P0740	Torque Converter Clutch Circuit Malfunction
P0741	Torque Converter Clutch Circuit Performance or Stuck Off
P0742	Torque Converter Clutch Circuit Stuck On
P0743	Torque Converter Clutch Circuit Electrical
P0744	Torque Converter Clutch Circuit Intermittent
P0745	Pressure Control Solenoid Malfunction
P0746	Pressure Control Solenoid Performance or Stuck Off
P0747	Pressure Control Solenoid Stuck On
P0748	Pressure Control Solenoid Electrical
P0749	Pressure Control Solenoid Intermittent
P0750	Shift Solenoid A Malfunction
P0751	Shift Solenoid A Performance or Stuck Off
P0752	Shift Solenoid A Stuck On
P0753	Shift Solenoid A Electrical
P0754	Shift Solenoid A Intermittent
P0755	Shift Solenoid B Malfunction
P0756	Shift Solenoid B Performance or Stuck Off
P0757	Shift Solenoid B Stuck On
P0758	Shift Solenoid B Electrical
P0759	Shift Solenoid B Intermittent
P0760	Shift Solenoid C Malfunction
P0761	Shift Solenoid C Performance or Stuck Off
P0762	Shift Solenoid C Stuck On
P0763	Shift Solenoid C Electrical
P0764	Shift Solenoid C Intermittent
P0765	Shift Solenoid D Malfunction
P0766	Shift Solenoid D Performance or Stuck Off
P0767	Shift Solenoid D Stuck On
P0768	Shift Solenoid D Electrical
P0769	Shift Solenoid D Intermittent
P0770	Shift Solenoid E Malfunction
P0771	Shift Solenoid E Performance or Stuck Off
P0772	Shift Solenoid E Stuck On
P0773	Shift Solenoid E Electrical
P0774	Shift Solenoid E Intermittent
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 Malfunction
P0781	1-2 Shift Malfunction
P0782	2-3 Shift Malfunction
P0783	3-4 Shift Malfunction
P0784	4-5 Shift Malfunction
P0785	Shift/Timing Solenoid Malfunction
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 Malfunction
P0791	Intermediate Shaft Speed Sensor Circuit
P0792	Intermediate Shaft Speed Sensor Circuit Range/Performance
P0793	Intermediate Shaft Speed Sensor Circuit No signal
P0794	Intermediate Shaft Speed Sensor Circuit Intermittent
P0795	Pressure Control Solenoid "C"
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

EOBD fault codes P0800-P0849

Code	Description
P0801	Reverse Inhibit Control Circuit Malfunction
P0803	1-4 Upshift (Skip Shift) Solenoid Control Circuit Malfunction
P0804	1-4 Upshift (Skip Shift) Lamp Control Circuit Malfunction
P0805	Clutch Position Sensor Circuit Malfunction
P0806	Clutch Position Sensor Circuit Range/Performance Malfunction
P0807	Clutch Position Sensor Circuit Low Malfunction
P0808	Clutch Position Sensor Circuit High Malfunction
P0809	Clutch Position Sensor Circuit Intermittent Malfunction
P0810	Clutch Position Control Error
P0811	Excessive Clutch Slippage
P0812	Reverse Input Circuit
P0813	Reverse Output Circuit
P0814	Transmission Range Display Circuit
P0815	Upshift Switch Circuit
P0816	Downshift Switch Circuit
P0817	Starter Disable Circuit
P0818	Driveline Disconnect Switch Input Circuit
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)
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
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

EOBD fault codes P1000- P1742

Code	Description
P1086	Tumble generator valve #2 (LH) position sensor circuit low input
P1087	Tumble generator valve #2 (LH) position sensor circuit high input
P1088	Tumble generator valve #1 (RH) position sensor circuit low input
P1089	Tumble generator valve #1 (RH) position sensor circuit high input
P1090	Tumble generator valve #1 (RH) malfunction (stuck open)
P1091	Tumble generator valve #1 (RH) malfunction (stuck close)
P1092	Tumble generator valve #2 (LH) malfunction (stuck open)
P1093	Tumble generator valve #2 (LH) malfunction (stuck close)
P1094	Tumble generator valve circuit #1 (open circuit)
P1095	Tumble generator valve circuit #1 (over current)
P1096	Tumble generator valve circuit #2 (open circuit)
P1097	Tumble generator valve circuit #2 (over current)
P1100	Starter Switch Circuit Malfunction
P1101	Neutral Position Switch Circuit High Input (A/T)
P1101	Neutral Position Switch Circuit Malfunction (M/T)
P1102	Pressure Sources Solenoid Valve Circuit Malfunction
P1103	Pressure Sources Switching Solenoid Valve Circuit
P1104	Engine Torque Control Signal Circuit Malfunction
P1106	Engine Torque Control Signal 2 Circuit Malfunction
P1110	Atmospheric pressure sensor low input
P1111	Atmospheric pressure sensor high input
P1112	Atmospheric pressure sensor range/performance problem
P1115	Engine Torque Control Cut Signal Circuit High Input
P1116	Engine Torque Control Cut Signal Circuit Low Input
P1120	Starter Switch High Input
P1121	Neutral Position Switch Circuit High Input [MT Vehicles]
P1121	Neutral Position Switch Circuit Low Input [AT Vehicles]
P1122	Pressure Sources Switching Valve Circuit High Input

P1124	TCS Signal Circuit High Input
P1130	Front oxygen sensor circuit malfunction (open circuit)
P1131	Front oxygen sensor circuit malfunction (short circuit)
P1134	Front oxygen (A/F) sensor microcomputer problem
P1137	Front oxygen (A/F) sensor circuit range/performance problem
P1139	Front oxygen (A/F) sensor #1 heater circuit performance/range problem
P1141	Mass Air Flow Sensor Circuit High Input
P1142	Mass Air Flow Sensor Circuit Low Input
P1143	Pressure Sensor Circuit Low Input
P1144	Pressure Sensor Circuit High Input
P1146	Pressure sensor circuit range/performance problem (high input)
P1150	Front Oxygen Sensor Heater Circuit High Input
P1151	Rear Oxygen Sensor Heater Circuit High Input
P1230	Fuel pump control unit malfunction
P1244	Wastegate control solenoid valve malfunction (low input)
P1245	Wastegate control solenoid valve malfunction (fail-safe)
P1301	Fire due to increased exhaust temperature
P1312	Exhaust temperature sensor malfunction
P1325	Knock Sensor Circuit Low Input
P1400	Fuel Tank Pressure Control Solenoid Low Input
P1420	Fuel Tank Pressure Control Solenoid High Input
P1421	Exhaust Gas Recirculation Circuit High Input
P1422	EVAP Purge Control Valve Circuit High Input
P1423	EVAP Vent Control High Input
P1440	Fuel Tank Pressure Control System Low Input
P1441	Fuel Tank Pressure Control System High Input
P1442	Fuel Level Sensor Circuit Range/Perf
P1443	EVAP Control System Vent Control Function Problem
P1480	Cooling fan relay 1 circuit high input
P1500	Radiator Fan Relay 1 Circuit Malfunction
P1501	Idle Control System Malfunction (Fail Safe)
P1502	Radiator Fan Function Problem
P1507	Idle Control System Malfunction (Fail Safe)
P1510	Idle Air Control Solenoid Signal 1 Circuit Low Input
P1511	Idle Air Control Solenoid Signal 1 Circuit High Input
P1512	Idle Air Control Solenoid Signal 2 Circuit Low Input
P1513	Idle Air Control Solenoid Signal 2 Circuit High Input
P1514	Idle Air Control Solenoid Signal 3 Circuit Low Input
P1515	Idle Air Control Solenoid Signal 3 Circuit High Input
P1516	Idle Air Control Solenoid Signal 4 Circuit Low Input
P1517	Idle Air Control Solenoid Signal 4 Circuit High Input
P1518	Starter switch circuit low input
P1520	Radiator Fan Relay 1 Circuit High Input
P1540	Vehicle Speed Sensor Malfunction 2
P1544	High exhaust temperature detected
P1560	Back-Up Voltage Circuit Malfunction
P1590	Neutral position switch circuit high input
P1591	Neutral position switch circuit low input

P1592	Neutral position switch circuit (MT model)
P1594	Automatic transmission diagnosis input signal circuit malfunction
P1595	Automatic transmission diagnosis input signal circuit low input
P1596	Automatic transmission diagnosis input signal circuit high input
P1698	Engine torque control cut signal circuit low input
P1699	Engine torque control cut signal circuit high input
P1700	Throttle Position Sensor Circuit Malfunction (A/T)
P1701	Cruise Control Set Signal Circuit Malfunction (A/T)
P1702	Auto Trans Diagnosis Input Signal Circuit
P1703	Low clutch timing control solenoid valve circuit malfunction
P1704	2-4 Brake Timing Solenoid Valve Circuit Malfunction
P1705	2-4 Brake Pressure Solenoid Valve (Solenoid D) Circuit
P1711	Engine torque control signal 1 circuit malfunction
P1712	Engine torque control signal 2 circuit malfunction
P1722	Auto Trans Diagnosis Input Signal High Input
P1742	Auto Trans Diagnosis Input Signal Malfunction