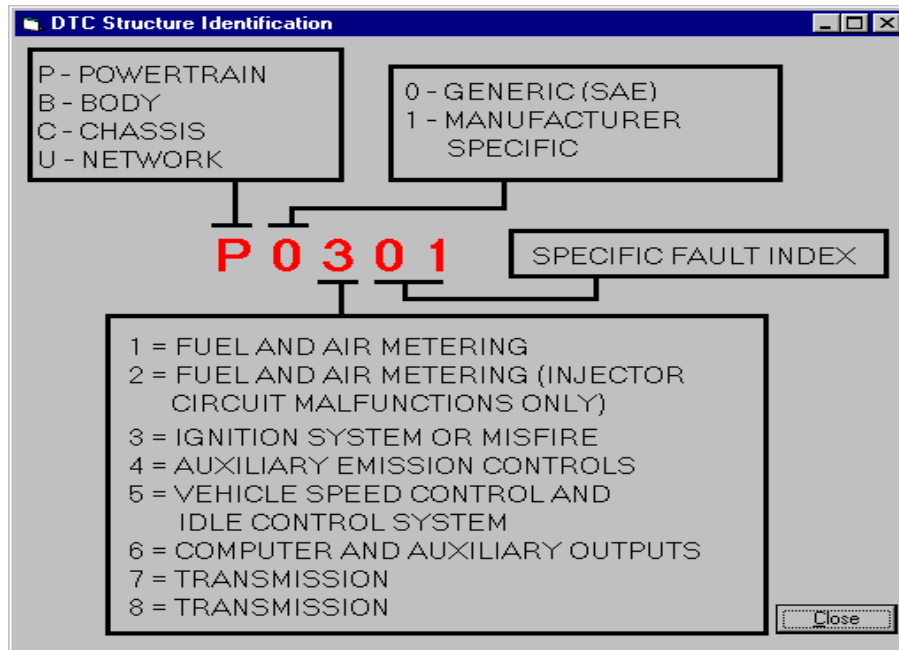


## ON-Board Diagnostic Trouble Codes

The list below contains standard diagnostic trouble codes (DTC's) that are used by some manufacturers to identify vehicle problems. The codes provide below are generic codes that may not apply to all vehicles. Vehicle manufacturers may use manufacturer specific DTC codes that are different from the codes shown below. Foreign vehicles may also use DTC codes different from the generic DTC codes. The Division recommends that motorists not depend on the DTC codes in this list for vehicle repairs until they confirm the generic DTC codes apply to their vehicles. The list below is for information purposes only and is not intended for use in vehicle repairs.

## Diagnostic Trouble Code (DTCs)

**Diagnostic Trouble Code (DTCs)** -- Trouble codes are how OBDII identifies and communicates to technicians where and what on-board problems exist. The first number in the DTC indicates whether the code is an SAE generic code (applies to all OBDII systems) or is specific to the vehicle manufacturer. The remaining three numbers provide information regarding the specific vehicle system and circuit. An analysis of a typical OBDII code is shown below.



Following is a list of generic DTCs

### DTC Codes - P0100-P0199 – Fuel and Air Metering

DTC	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
P0109	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/Petal Position Sensor/Switch A Circuit Malfunction  
P0121 Throttle/Petal Position Sensor/Switch A Circuit Range/Performance Problem  
P0122 Throttle/Petal Position Sensor/Switch A Circuit Low Input  
P0123 Throttle/Petal Position Sensor/Switch A Circuit High Input  
P0124 Throttle/Petal Position Sensor/Switch A Circuit Intermittent  
P0125 Insufficient Coolant Temperature for Closed Loop Fuel Control  
P0126 Insufficient Coolant Temperature for Stable Operation  
P0130 02 Sensor Circuit Malfunction (Bank 1 Sensor 1)  
P0131 02 Sensor Circuit Low Voltage (Bank 1 Sensor 1)  
P0132 02 Sensor Circuit High Voltage (Bank 1 Sensor 1)  
P0133 02 Sensor Circuit Slow Response (Bank 1 Sensor 1)  
P0134 02 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)  
P0135 02 Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)  
P0136 02 Sensor Circuit Malfunction (Bank 1 Sensor 2)  
P0137 02 Sensor Circuit Low Voltage (Bank 1 Sensor 2)  
P0138 02 Sensor Circuit High Voltage (Bank 1 Sensor 2)  
P0139 02 Sensor Circuit Slow Response (Bank 1 Sensor 2)  
P0140 02 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)  
P0141 02 Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)  
P0142 02 Sensor Circuit Malfunction (Bank 1 Sensor 3)  
P0143 02 Sensor Circuit Low Voltage (Bank 1 Sensor 3)  
P0144 02 Sensor Circuit High Voltage (Bank 1 Sensor 3)  
P0145 02 Sensor Circuit Slow Response (Bank 1 Sensor 3)  
P0146 02 Sensor Circuit No Activity Detected (Bank 1 Sensor 3)  
P0147 02 Sensor Heater Circuit Malfunction (Bank 1 Sensor 3)  
P0150 02 Sensor Circuit Malfunction (Bank 2 Sensor 1)  
P0151 02 Sensor Circuit Low Voltage (Bank 2 Sensor 1)  
P0152 02 Sensor Circuit High Voltage (Bank 2 Sensor 1)  
P0153 02 Sensor Circuit Slow Response (Bank 2 Sensor 1)  
P0154 02 Sensor Circuit No Activity Detected (Bank 2 Sensor 1)  
P0155 02 Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)  
P0156 02 Sensor Circuit Malfunction (Bank 2 Sensor 2)  
P0157 02 Sensor Circuit Low Voltage (Bank 2 Sensor 2)  
P0158 02 Sensor Circuit High Voltage (Bank 2 Sensor 2)  
P0159 02 Sensor Circuit Slow Response (Bank 2 Sensor 2)  
P0160 02 Sensor Circuit No Activity Detected (Bank 2 Sensor 2)  
P0161 02 Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)  
P0162 02 Sensor Circuit Malfunction (Bank 2 Sensor 3)  
P0163 02 Sensor Circuit Low Voltage (Bank 2 Sensor 3)  
P0164 02 Sensor Circuit High Voltage (Bank 2 Sensor 3)  
P0165 02 Sensor Circuit Slow Response (Bank 2 Sensor 3)  
P0166 02 Sensor Circuit No Activity Detected (Bank 2 Sensor 3)  
P0167 02 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 Range/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 B 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

## **DTC Codes - P0200-P0299 – Fuel and Air Metering (Injector Circuit)**

<b>DTC</b>	<b>Description</b>
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 Overspeed Condition
P0220	Throttle/Petal Position Sensor/Switch B Circuit Malfunction
P0221	Throttle/Petal Position Sensor/Switch B Circuit Range/Performance Problem
P0222	Throttle/Petal Position Sensor/Switch B Circuit Low Input
P0223	Throttle/Petal Position Sensor/Switch B Circuit High Input
P0224	Throttle/Petal Position Sensor/Switch B Circuit Intermittent
P0225	Throttle/Petal Position Sensor/Switch C Circuit Malfunction
P0226	Throttle/Petal Position Sensor/Switch C Circuit Range/Performance Problem

P0227 Throttle/Petal Position Sensor/Switch C Circuit Low Input  
P0228 Throttle/Petal Position Sensor/Switch C Circuit High Input  
P0229 Throttle/Petal 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 Engine 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 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 Injector)  
P0258 Injection Pump Fuel Metering Control "B" Low (Cam/R  
P0259 Injection Pump Fuel Metering Control "B" High (Cam/R  
P0260 Injection Pump Fuel Metering Control "B" Intermittent 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/Range Fault

## **DTC Codes - P0300-P0399 – Ignition System or Misfire**

<b>DTC</b>	<b>Description</b>
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
P0311	Cylinder 11 Misfire Detected
P0312	Cylinder 12 Misfire Detected
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 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 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 Exhaust Gas Recirculation Flow 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

## **DTC Codes - P0400-P0499 – Auxiliary Emissions Controls**

<b>DTC</b>	<b>Description</b>
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
P0444	Evaporative Emission Control System Purge Control Valve Circuit
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 Leak 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

## **DTC Codes - P0500-P0599 – Vehicle Speed Controls and Idle Control System**

<b>DTC</b>	<b>Description</b>
P0500	Vehicle Speed Sensor Malfunction
P0501	Vehicle Speed Sensor Range/Performance
P0502	Vehicle Speed Sensor 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 Circuit Range/Performance
P0522	Engine Oil Pressure Sensor/Switch Circuit Low Voltage
P0523	Engine Oil Pressure Sensor/Switch Circuit 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 Related Malfunction
P0575	Cruise Control Related Malfunction
P0576	Cruise Control Related Malfunction
P0576	Cruise Control Related Malfunction
P0578	Cruise Control Related Malfunction
P0579	Cruise Control Related Malfunction
P0580	Cruise Control Related Malfunction

## **DTC Codes - P0600-P0699 – Computer Output Circuit**

<b>DTC</b>	<b>Description</b>
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
P0606	PCM Processor Fault
P0608	Control Module VSS Output "A" Malfunction
P0609	Control Module VSS Output "B" Malfunction
P0620	Generator Control Circuit Malfunction
P0621	Generator Lamp "L" Control Circuit Malfunction
P0622	Generator Field "F" Control Circuit Malfunction
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

## **DTC Codes - P0700-P0899 – Transmission**

<b>DTC</b>	<b>Description</b>
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 Range/Performance
P0722	Output Speed Sensor No Signal
P0723	Output Speed Sensor 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 gear 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 Stock Off  
P0757 Shift Solenoid B Stuck On  
P0758 Shift Solenoid B Electrical  
P0759 Shift Solenoid B Intermittent  
P0760 Shift Solenoid C Malfunction  
P076 I 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  
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  
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