

## Diagnostic Trouble Codes - OBDII

### FUEL & AIR METERING

|                                                                                     |
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| 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 Positions 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 - Time 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 |
| 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 - HO2S Heater Control Circuit Bank 1 Sensor 1                                 |
| P0031 - HO2S Heater Circuit Low Voltage Bank 1 Sensor 1                             |
| P0032 - HO2S Heater Circuit High Voltage 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 - HO2S Heater Control Circuit Bank 1 Sensor 2                                 |
| P0037 - HO2S Heater Circuit Low Voltage Bank 1 Sensor 2                             |
| P0037 - HO2S Heater Control Circuit Low Bank 1 Sensor 2                             |
| P0038 - HO2S 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 /Bank 2 Sensor 1                    |
| P0043 - HO2S Heater Control Circuit Low (bank 1, sensor 3)                          |
| P0044 - HO2S Heater Control Circuit High (bank 1, sensor 3)                         |
| P0050 - HO2S Heater Control Circuit Bank 2 Sensor 1                                 |
| P0051 - HO2S Heater Control Circuit Low Bank 2 Sensor 1                             |
| P0052 - HO2S Heater Control Circuit High Bank 2 Sensor 1                            |
| P0053 - HO2S Heater Resistance Bank 1 Sensor 1                                      |
| P0054 - HO2S Heater Resistance Bank 1 Sensor 2                                      |
| P0055 - HO2S Heater Resistance Bank 1 Sensor 3                                      |
| P0056 - HO2S Heater Control Circuit Bank 2 Sensor 2                                 |
| P0057 - HO2S Heater Control Circuit Low Bank 2 Sensor 2                             |
| P0058 - HO2S Heater Control Circuit High Bank 2 Sensor 2                            |

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| P0059 - HO2S Heater Resistance Bank 2 Sensor 1                       |
| P0060 - HO2S Heater Resistance Bank 2 Sensor 2                       |
| P0061 - HO2S Heater Resistance Bank 2 Sensor 3                       |
| P0062 - HO2S Heater Control Circuit Bank 2 Sensor 3                  |
| P0063 - HO2S Heater Control Circuit Low Bank 2 Sensor 3              |
| P0064 - HO2S Heater Control Circuit Low 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 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            |
| 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 |

## FUEL & AIR METERING

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|-------------------------------------------------------------------------|
| P0100 - MAF Sensor Circuit Insufficient Activity                        |
| P0101 - Mass Air Flow System Performance                                |
| P0102 - Mass Air Flow Sensor Circuit Low Frequency                      |
| P0103 - Mass Air Flow Sensor Circuit High Frequency                     |
| P0104 - Mass Air Flow Circuit Intermittent                              |
| P0105 - Manifold Absolute Pressure Sensor Circuit Insufficient Activity |
| P0106 - Manifold Absolute Pressure System Performance                   |
| P0107 - Manifold Absolute Pressure [MAP] Sensor Circuit Low Voltage     |
| P0108 - Manifold Absolute Pressure [MAP] Sensor Circuit High Voltage    |
| P0109 - Manifold Absolute Pressure Circuit Intermittent                 |
| P0110 - Intake Air Temperature Circuit                                  |
| P0111 - Intake Air Temperature Circuit Range/Performance                |
| P0112 - Intake Air Temperature [IAT] Sensor Circuit Low Voltage         |
| P0113 - Intake Air Temperature [IAT] Sensor Circuit High Voltage        |
| P0114 - Intake Air Temperature Circuit Intermittent                     |

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| P0115 - ECT Sensor Circuit                                                          |
| P0115 - Engine Coolant Temperature Sensor Circuit                                   |
| P0116 - Engine Coolant Temperature Sensor Circuit Performance                       |
| P0117 - Engine Coolant Temperature [ECT] Sensor Circuit Low Voltage                 |
| P0118 - Engine Coolant Temperature [ECT] Sensor Circuit High Voltage                |
| P0119 - Engine Coolant Temperature Circuit Intermittent                             |
| P0120 - Throttle Position [TP] Sensor Circuit                                       |
| P0121 - Throttle Position Sensor A Circuit Range/Performance                        |
| P0122 - Throttle Position Sensor Circuit Low Voltage                                |
| P0123 - Throttle Position Sensor Circuit High Voltage                               |
| P0124 - Throttle Position Sensor A Intermittent                                     |
| P0125 - Engine Coolant Temperature [ECT] Excessive Time To Closed Loop Fuel Control |
| P0126 - Insufficient Engine Coolant Temperature for Stable Operation                |
| P0127 - Intake Air Temperature Too High                                             |
| P0128 - Coolant Thermostat (Coolant Temp Below Thermostat Regulating Temperature)   |
| P0130 - HO2S Circuit Bank 1 Sensor 1                                                |
| P0131 - HO2S Circuit Low Voltage Bank 1 Sensor 1                                    |
| P0132 - HO2S Circuit High Voltage Bank 1 Sensor 1                                   |
| P0133 - HO2S Slow Response Bank 1 Sensor 1                                          |
| P0134 - HO2S Circuit Insufficient Activity Bank 1 Sensor 1                          |
| P0135 - HO2S Heater Circuit Bank 1 Sensor 1                                         |
| P0137 - HO2S Circuit Low Voltage Bank 1 Sensor 2                                    |
| P0138 - HO2S Circuit High Voltage Bank 1 Sensor 2                                   |
| P0139 - HO2S Slow Response Bank 1 Sensor 2                                          |
| P0140 - HO2S Circuit Insufficient Activity Bank 1 Sensor 2                          |
| P0141 - HO2S Heater Circuit Bank 1 Sensor 2                                         |
| P0142 - HO2S Circuit Bank 1 Sensor 3                                                |
| P0143 - HO2S Circuit Low Voltage Bank 1 Sensor 3                                    |
| P0144 - HO2S Circuit High Voltage Bank 1 Sensor 3                                   |
| P0145 - HO2S Circuit Bank 1 Sensor 2 Slow Response                                  |
| P0146 - HO2S Circuit Insufficient Activity Bank 1 Sensor 3                          |
| P0147 - HO2S Heater Circuit Bank 1 Sensor 3                                         |
| P0150 - HO2S Circuit Bank 2 Sensor 1                                                |
| P0151 - HO2S Circuit Low Voltage Bank 2 Sensor 1                                    |
| P0152 - HO2S Circuit High Voltage Bank 2 Sensor 1                                   |
| P0153 - HO2S Slow Response Bank 2 Sensor 1                                          |
| P0154 - HO2S Circuit Insufficient Activity Bank 2 Sensor 1                          |
| P0155 - Heated Oxygen Sensor Heater Circuit (bank 2, sensor 1)                      |
| P0156 - HO2S Circuit Bank 2 Sensor 2                                                |
| P0157 - HO2S Circuit Low Voltage Bank 2 Sensor 2                                    |
| P0158 - HO2S Circuit High Voltage Bank 2 Sensor 2                                   |
| P0159 - HO2S Slow Response Bank 2 Sensor 2                                          |
| P0160 - HO2S Circuit Insufficient Activity Bank 2 Sensor 2                          |
| P0161 - HO2S Heater Circuit Bank 2 Sensor 2                                         |
| P0162 - HO2S Circuit Bank 2 Sensor 3                                                |
| P0163 - HO2S Circuit Bank 2 Sensor 3 Low Voltage                                    |
| P0164 - HO2S Circuit Bank 2 Sensor 3 High Voltage                                   |
| P0165 - HO2S Circuit Bank 2 Sensor 3 Slow Response                                  |
| P0166 - HO2S Circuit Bank 2 Sensor 3 No Activity                                    |
| P0167 - HO2S Heater Circuit Bank 2 Sensor 3                                         |
| P0169 - Fuel Composition Sensor                                                     |
| P0170 - Fuel Trim Bank 1                                                            |
| P0171 - Fuel Trim System Lean Bank 1                                                |
| P0172 - Fuel Trim System Rich Bank 1                                                |
| P0174 - Fuel Trim System Lean Bank 2                                                |
| P0175 - Fuel Trim System Rich Bank 2                                                |
| P0176 - Fuel Composition Sensor Circuit                                             |

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| P0177 - Fuel Composition Sensor Circuit Performance         |
| P0178 - Fuel Composition Sensor Circuit Low Voltage         |
| P0179 - Fuel Composition Sensor Circuit High Voltage        |
| P0180 - Fuel Temperature Sensor A Circuit                   |
| 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 1 Circuit Intermittent      |
| P0185 - Fuel Temperature Sensor 2 Circuit                   |
| P0186 - Fuel Temperature Sensor B Circuit Range/Performance |
| P0187 - Fuel Temperature Sensor B Circuit Low Input         |
| P0189 - Fuel Temperature Sensor 2 Circuit Intermittent      |
| P0190 - Fuel Rail Pressure Sensor Circuit                   |
| P0191 - Fuel Rail Pressure Sensor Circuit Performance       |
| P0192 - Fuel Rail Pressure Sensor Circuit Low Voltage       |
| P0193 - Fuel Rail Pressure Sensor Circuit High Voltage      |
| P0194 - Fuel Rail Pressure Sensor Circuit Intermittent      |
| P0195 - Engine Oil Temperature Sensor Circuit               |
| P0196 - Engine Oil Temperature Sensor Performance           |
| P0197 - Engine Oil Temperature Sensor Low Voltage           |
| P0198 - Engine Oil Temperature Sensor High Voltage          |
| P0199 - Engine Oil Temperature Sensor Intermittent          |

## FUEL CONTROL

|                                                                |
|----------------------------------------------------------------|
| P0200 - Injector Control Circuit Voltage                       |
| P0201 - Injector 1 Control Circuit                             |
| P0202 - Injector 2 Control Circuit                             |
| P0203 - Injector 3 Control Circuit                             |
| P0204 - Injector 4 Control Circuit                             |
| P0205 - Injector 5 Control Circuit                             |
| P0205 - Injector 5 Control Circuit                             |
| P0206 - Injector 6 Control Circuit                             |
| P0207 - Injector 7 Control Circuit                             |
| P0208 - Injector 8 Control Circuit                             |
| P0209 - Injector 9 Control Circuit                             |
| P0210 - Injector 10 Control Circuit                            |
| P0211 - Injector 11 Control Circuit                            |
| P0212 - Injector 12 Control Circuit                            |
| P0213 - Cold Start Injector 1                                  |
| P0214 - Cold Start Injector 2                                  |
| P0215 - Engine Shutoff Control Circuit                         |
| P0216 - Injection Timing Control Circuit                       |
| P0217 - Engine Over Temperature - Hot Light Requested          |
| P0218 - Transmission Fluid Over Temperature                    |
| P0219 - Engine Over speed Condition                            |
| P0220 - Throttle Position Sensor 2 Circuit                     |
| P0222 - Throttle Position Sensor B Circuit Low Voltage         |
| P0223 - Throttle Position Sensor B Circuit High Input          |
| P0224 - Throttle Position Sensor B Circuit Intermittent        |
| P0225 - Throttle Position Sensor 3 Circuit                     |
| P0226 - Throttle Position Sensor 3 Circuit Performance         |
| P0227 - Throttle/Pedal Position Sensor/Switch "C Circuit Low"  |
| P0228 - Throttle/Pedal Position Sensor/Switch "C Circuit High" |
| P0228 - APP Sensor 3 Circuit High Voltage                      |
| P0229 - Throttle Position Sensor C Circuit Intermittent        |
| P0230 - Fuel Pump Relay Control Circuit                        |
| P0231 - Fuel Pump Feedback Circuit Low Voltage                 |
| P0232 - Fuel Pump Feedback Circuit High Voltage                |

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|----------------------------------------------------------|
| P0232 - Fuel Pump Feedback Circuit High Voltage          |
| P0234 - Turbocharger Engine Over boost                   |
| P0235 - Turbocharger Boost Sensor 1 Circuit              |
| P0236 - Turbocharger Boost Sensor 1 Performance          |
| P0237 - Turbocharger Boost Sensor 1 Circuit Low Voltage  |
| P0238 - Turbocharger Boost Sensor 1 Circuit High Voltage |
| P0239 - Turbocharger Boost Sensor 2 Circuit              |
| P0240 - Turbocharger Boost Sensor 2 Performance          |
| P0241 - Turbocharger Boost Sensor 2 Circuit Low Voltage  |
| P0242 - Turbocharger Boost Sensor 2 Circuit High Voltage |
| P0243 - Turbocharger Boost Solenoid Control Circuit      |
| P0244 - Turbocharger Wastegate Solenoid 1 Performance    |
| P0245 - Turbocharger Wastegate Solenoid 1 Low Voltage    |
| P0246 - Turbocharger Wastegate Solenoid 1 High Voltage   |
| P0247 - Turbocharger Wastegate Solenoid 2                |
| P0248 - Turbocharger Wastegate Solenoid 2 Performance    |
| P0249 - Turbocharger Wastegate Solenoid 2 Low Voltage    |
| P0250 - Turbocharger Wastegate Solenoid 2 High Voltage   |
| P0251 - Injection Pump Fuel Metering Control A           |
| P0252 - Injector Pump 1 Rotor/Cam Performance            |
| P0253 - Injector Pump 1 Rotor/Cam Low Voltage            |
| P0254 - Injector Pump 1 Rotor/Cam High Voltage           |
| P0255 - Injector Pump 1 Rotor/Cam Intermittent           |
| P0256 - Injector Pump 2 Rotor/Cam                        |
| P0257 - Injector Pump 2 Rotor/Cam Performance            |
| P0258 - Injector Pump 2 Rotor/Cam Low Voltage            |
| P0259 - Injector Pump 2 Rotor/Cam High Voltage           |
| P0260 - Injector Pump 2 Rotor/Cam Intermittent           |
| P0261 - Cylinder #1 Injector Circuit Low                 |
| P0262 - Cylinder #1 Injector Circuit High                |
| P0263 - Cylinder #1 Contribution/Balance                 |
| P0264 - Cylinder #2 Injector Circuit Low                 |
| P0265 - Cylinder #2 Injector Circuit High                |
| P0266 - Cylinder #2 Contribution/Balance                 |
| P0267 - Cylinder #3 Injector Circuit Low                 |
| P0268 - Cylinder #3 Injector Circuit High                |
| P0269 - Cylinder #3 Contribution/Balance                 |
| P0270 - Cylinder #4 Injector Circuit Low                 |
| P0271 - Cylinder #4 Injector Circuit High                |
| P0272 - Cylinder #4 Contribution/Balance                 |
| 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                  |
| P0285 - Injector Circuit Cylinder 9 Low Voltage          |
| P0286 - Injector Circuit Cylinder 9 High Voltage         |
| P0287 - Cylinder 9 Balance System                        |
| P0288 - Injector Circuit Cylinder 10 Low Voltage         |
| P0289 - Injector Circuit Cylinder 10 High Voltage        |



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|---------------------------------------------------|
| P0290 - Cylinder 10 Balance System                |
| P0291 - Injector Circuit Cylinder 11 Low Voltage  |
| P0292 - Injector Circuit Cylinder 11 High Voltage |
| P0293 - Cylinder 11 Balance System                |
| P0294 - Injector Circuit Cylinder 12 Low Voltage  |
| P0295 - Injector Circuit Cylinder 12 High Voltage |
| P0296 - Cylinder 12 Balance System                |
| P0298 - Engine Oil Over temperature Condition     |

## IGNITION SYSTEM OR MISFIRE

|                                                                                        |
|----------------------------------------------------------------------------------------|
| 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                                                   |
| P0320 - Ignition/Distributor Engine Speed Input Circuit                                |
| P0321 - Ignition/Distributor Eng. Speed Ckt. Performance                               |
| P0322 - Ignition/Distributor Engine Speed Circuit No Signal                            |
| P0323 - Ignition/Distributor Engine Speed Circuit Intermittent                         |
| P0325 - Knock Sensor 1 Circuit Bank 1                                                  |
| P0326 - Knock Sensor 1 Circuit Range/Performance (Bank 1)                              |
| P0327 - Knock Sensor 1 Circuit Low Input (Bank1)                                       |
| P0328 - Knock Sensor 1 Circuit High Input (Bank 1)                                     |
| P0329 - Knock Sensor 1 Circuit Bank 1 Intermittent                                     |
| P0330 - Knock Sensor 2 Circuit Bank 2                                                  |
| P0331 - Knock Sensor 2 Circuit Range/Performance (Bank 2)                              |
| P0332 - Knock Sensor 2 Circuit Low Input                                               |
| P0333 - Knock Sensor 2 Circuit High Input                                              |
| P0334 - Knock Sensor 2 Circuit Bank 2 Intermittent                                     |
| P0335 - Crankshaft Position [CKP] Sensor A Circuit                                     |
| P0336 - Crankshaft Position Sensor Circuit A Range/Performance                         |
| P0337 - CKP Sensor Circuit Low Frequency                                               |
| P0338 - CKP Sensor Circuit High Frequency                                              |
| P0339 - CKP Sensor Circuit Intermittent                                                |
| P0340 - Camshaft Position Sensor A Circuit (Bank 1 or single sensor)                   |
| P0341 - Camshaft Position Sensor A Circuit Range/Performance (Bank 1 or single sensor) |
| P0342 - Camshaft Position Sensor Circuit Low Voltage                                   |
| P0343 - Camshaft Position Sensor Circuit High Voltage                                  |
| P0344 - Camshaft Position Sensor Circuit Intermittent                                  |
| 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                                      |
| P0360 - Ignition Coil J Primary/Secondary Circuit                                      |
| P0361 - Ignition Coil K Primary/Secondary Circuit                                      |

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|-------------------------------------------------------------|
| P0362 - Ignition Coil L Primary/Secondary Circuit           |
| P0370 - Timing Reference High Resolution System Performance |
| P0371 - Too Many High Resolution Signal 1 Pulses            |
| P0372 - Too Few High Resolution Signal 1 Pulses             |
| P0373 - Intermittent High Resolution Signal 1 Pulse         |
| P0374 - No High Resolution Signal 1 Pulses                  |
| P0375 - Timing Reference Signal 2 High Resolution           |
| P0376 - Too Many High Resolution Signal 2 Pulses            |
| P0377 - Too Few High Resolution Signal 2 Pulses             |
| P0378 - Intermittent High Resolution Signal 2 Pulse         |
| P0380 - Glow Plug/Heater Circuit A                          |
| P0381 - Glow Plug/Heater Indicator Circuit                  |
| P0385 - Crankshaft Position Sensor Circuit B                |
| P0386 - CKP Sensor B Circuit Performance                    |
| P0387 - Crankshaft Position Sensor 2 Circuit Low Voltage    |
| P0388 - Crankshaft Position Sensor 2 Circuit High Voltage   |
| P0389 - Crankshaft Position Sensor 2 Circuit Intermittent   |

### AUXILIARY EMISSION CONTROLS

|                                                                              |
|------------------------------------------------------------------------------|
| 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 - EGR Sensor 2 Circuit Low Voltage                                     |
| P0408 - EGR Sensor 2 Circuit High Voltage                                    |
| P0410 - Secondary Air Injection System                                       |
| P0411 - Secondary Air Injection Incorrect Upstream Flow Detected             |
| P0412 - Secondary Air Injection Switching Valve A Circuit                    |
| P0413 - Secondary Air Injection Switching Valve A Circuit Open               |
| P0414 - Secondary Air Injection Switching Valve A Circuit Shorted            |
| P0416 - Secondary Air Injection Switching Valve B Circuit Open               |
| P0417 - Secondary Air Injection Switching Valve B Circuit Shorted            |
| P0418 - Secondary Air Injection System Relay A Circuit                       |
| P0419 - Secondary Air Injection System Relay B Circuit                       |
| P0420 - Catalyst System Efficiency Below Threshold (Bank 1)                  |
| P0421 - Warm Up Catalyst Efficiency Below Threshold (Bank 1)                 |
| P0422 - Main TWC Efficiency Bank 1 Below Threshold                           |
| P0423 - Heated TWC Efficiency Bank 1 Below Threshold                         |
| P0424 - Heated TWC Temperature Bank 1 Below Threshold                        |
| P0426 - Catalyst Temperature Sensor Range/Performance (Bank1)                |
| P0427 - Catalyst Temperature Sensor Low Input (Bank 1)                       |
| P0428 - Catalyst Temperature Sensor High Input (Bank 1)                      |
| P0430 - Catalyst System Low Efficiency Bank 2                                |
| P0431 - Warm Up Catalyst Efficiency Below Threshold (Bank 2)                 |
| P0432 - Main TWC Efficiency Bank 2 Below Threshold                           |
| P0433 - Heated TWC Efficiency Bank 2 Below Threshold                         |
| P0434 - Heated TWC Temperature Bank 2 Below Threshold                        |
| P0436 - Catalyst Temperature Sensor Range/Performance (Bank2)                |
| P0437 - Catalyst Temperature Sensor Low Input (Bank 2)                       |
| P0438 - Catalyst Temperature Sensor High Input (Bank 2)                      |
| P0440 - Evaporative Emission Control System                                  |
| 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 Open |

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|---------------------------------------------------------------------------------|
| P0445 - Evaporative Emission Control System Purge Control Valve Circuit Shorted |
| P0446 - Evaporative Emission Control System Vent Control Circuit                |
| P0447 - EVAP Vent Valve Control Circuit Open                                    |
| P0448 - EVAP Vent Valve Control Circuit Shorted                                 |
| P0449 - EVAP Canister Vent Solenoid Valve Control Circuit                       |
| P0450 - Evaporative Emission Control System Pressure Sensor                     |
| 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          |
| P0455 - Evaporative Emission Control System Leak Detected (gross leak/no flow)  |
| P0456 - Evaporative Emission Control System Leak Detected (very small leak)     |
| P0460 - Fuel Level Sensor Circuit                                               |
| P0461 - Fuel Level Sensor Circuit Range/Performance                             |
| P0462 - Fuel Level Sensor Circuit Low Voltage                                   |
| P0463 - Fuel Level Sensor Circuit High Voltage                                  |
| P0464 - Fuel Level Sensor Circuit Intermittent                                  |
| P0465 - Purge Flow Sensor Circuit                                               |
| P0466 - Purge Flow Sensor Circuit Performance                                   |
| P0467 - Purge Flow Sensor Circuit Low Voltage                                   |
| P0468 - Purge Flow Sensor Circuit High Voltage                                  |
| P0469 - Purge Flow Sensor Circuit Intermittent                                  |
| P0470 - Exhaust Pressure Sensor                                                 |
| P0471 - Exhaust Pressure Sensor Range/Performance                               |
| P0472 - Exhaust Pressure Sensor Low Input                                       |
| P0473 - Exhaust Pressure Sensor High Input                                      |
| P0474 - Exhaust Pressure Sensor Circuit Intermittent                            |
| P0475 - Exhaust Pressure Control Valve                                          |
| P0476 - Exhaust Pressure Control Valve Range/Performance                        |
| P0477 - Exhaust Pressure Control Valve Circuit Low Voltage                      |
| P0478 - Exhaust Pressure Control Valve High Input                               |
| P0479 - Exhaust Pressure Control Valve Intermittent                             |
| P0480 - Coolant Fan 1 Control Circuit                                           |
| P0481 - Coolant Fan Relay 2 Control Circuit                                     |

**VEHICLE SPEED, IDLE CONTROL & AUXILIARY INPUTS**

|                                                                                 |
|---------------------------------------------------------------------------------|
| P0500 - Vehicle Speed Sensor                                                    |
| P0501 - Vehicle Speed Sensor Range/Performance                                  |
| P0502 - Vehicle Speed Sensor Circuit Low Input                                  |
| P0503 - Vehicle Speed Sensor Intermittent                                       |
| P0505 - Idle Control System                                                     |
| P0506 - Idle Control System RPM Lower Than Expected                             |
| P0507 - Idle Control System RPM Higher Than Expected                            |
| P0508 - Idle Control System Circuit Low                                         |
| P0509 - Idle Control System Circuit High                                        |
| P0510 - Closed Throttle Position Switch                                         |
| P0512 - Starter Request Circuit Performance                                     |
| P0522 - Engine Oil Pressure Sensor Circuit Low Voltage                          |
| P0523 - Engine Oil Pressure Sensor Circuit High Voltage                         |
| P0530 - A/C Refrigerant Pressure Sensor Circuit                                 |
| P0532 - Air Conditioning [A/C] Refrigerant Pressure Sensor Circuit Low Voltage  |
| P0533 - A/C Refrigerant Pressure Sensor Circuit High Voltage                    |
| P0533 - Air Conditioning [A/C] Refrigerant Pressure Sensor Circuit High Voltage |
| P0534 - Air Conditioner Refrigerant Charge Loss                                 |
| P0541 - Intake Air Heater Circuit Low                                           |
| P0542 - Intake Air Heater Circuit High                                          |
| P0550 - Power Steering Pressure Sensor Circuit                                  |
| P0551 - Power Steering Pressure Sensor Circuit Range/Performance                |
| P0552 - Power Steering Pressure Sensor Circuit Low Voltage                      |



|                                                             |
|-------------------------------------------------------------|
| P0553 - Power Steering Pressure Sensor Circuit High Voltage |
| P0554 - Power Steering Pressure Sensor Circuit Intermittent |
| P0560 - System Voltage                                      |
| P0561 - System Voltage Unstable                             |
| P0562 - System Voltage Low                                  |
| P0563 - System Voltage High                                 |
| 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 ACCEL Signal                         |
| P0571 - Cruise Control Brake Switch A Circuit               |
| P0572 - Cruise Brake Switch 1 Circuit Low Voltage           |
| P0573 - Cruise Brake Switch 1 Circuit High Voltage          |
| P0574 - Cruise Control System - Vehicle Speed Too High      |

## COMPUTER AND AUXILIARY OUTPUT DEVICES

|                                                                                 |
|---------------------------------------------------------------------------------|
| P0600 - Serial Communication Link                                               |
| P0601 - Internal Control Module Memory Check Sum Error                          |
| P0602 - Power train Control Module Programming Error                            |
| P0603 - Power train Control Module Keep Alive Memory (KAM) Error                |
| P0604 - Internal Control Module Random Access Memory Error                      |
| P0605 - Power train Control Module Read Only Memory (ROM) Error                 |
| P0606 - ECM/PCM Processor                                                       |
| P0608 - Vehicle Speed Output Circuit                                            |
| P0615 - Starter Relay Control Circuit                                           |
| P0620 - Generator Control Circuit                                               |
| P0621 - GEN Lamp 'L' Control Circuit                                            |
| P0622 - GEN Field 'F' Control Circuit                                           |
| P0636 - Power Steering Control Circuit Low                                      |
| P0637 - Power Steering Control Circuit High                                     |
| P0640 - Intake Air Heater Control Circuit                                       |
| P0645 - A/C Clutch Relay Control Circuit                                        |
| P0646 - A/C Clutch Relay Circuit Low Voltage                                    |
| P0647 - A/C Clutch Relay Circuit High Voltage                                   |
| P0650 - Malfunction Indicator Lamp (MIL) Control Circuit                        |
| P0654 - Engine Speed Output Circuit                                             |
| P0656 - Fuel Level Output Circuit                                               |
| 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              |
| P0666 - PCM/ECM/TCM Internal Temperature Sensor Circuit                         |
| P0670 - Glow Plug Module Control Circuit                                        |
| P0671 - Cylinder 1 Glow Plug Circuit                                            |
| P0672 - Cylinder 2 Glow Plug Circuit                                            |
| P0673 - Cylinder 3 Glow Plug Circuit                                            |
| P0674 - Cylinder 4 Glow Plug Circuit                                            |
| P0675 - Cylinder 5 Glow Plug Circuit                                            |
| P0676 - Cylinder 6 Glow Plug Circuit                                            |
| P0677 - Cylinder 7 Glow Plug Circuit                                            |
| P0678 - Cylinder 8 Glow Plug Circuit                                            |
| P0683 - Glow Plug Control Module to PCM Communication Circuit                   |
| P0684 - Glow Plug Control Module to PCM Communication Circuit Range/Performance |

## TRANSMISSION

|                                                   |
|---------------------------------------------------|
| P0700 - Transmission Control System (MIL Request) |
| P0701 - Transmission Control System Performance   |
| P0702 - Transmission Control System Electrical    |

|                                                                         |
|-------------------------------------------------------------------------|
| P0703 - Brake Switch B Input Circuit                                    |
| P0703 - Brake Switch Circuit                                            |
| P0704 - Clutch Switch Input Circuit                                     |
| P0705 - Transmission Range Sensor Circuit (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                   |
| 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 - Turbine Shaft Speed Sensor Circuit                              |
| P0716 - Input/Turbine Speed Sensor Circuit Performance                  |
| P0717 - Input/Turbine Speed Sensor Circuit No Signal                    |
| P0718 - Turbine Shaft Speed Sensor Circuit Intermittent                 |
| P0719 - Brake Switch 2 Circuit Low Voltage                              |
| P0720 - Output Shaft Speed Sensor Circuit                               |
| P0721 - Output Shaft Speed Sensor Circuit Range/Performance             |
| P0722 - Output Shaft Speed Sensor Circuit No Signal                     |
| P0723 - Output Shaft Speed Sensor Circuit Intermittent                  |
| P0724 - Brake Switch 2 Circuit High Voltage                             |
| P0725 - Engine Speed Input Circuit                                      |
| P0726 - Engine Speed Input Circuit Performance                          |
| P0727 - Engine Speed 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                                 |
| P0741 - Torque Converter Clutch Circuit Performance 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 A                                     |
| P0746 - Pressure Control Solenoid A Performance or Stuck Off            |
| P0747 - Pressure Control Solenoid Stuck On                              |
| P0748 - Pressure Control Solenoid Electrical                            |
| P0749 - Pressure Control Solenoid Circuit Intermittent                  |
| P0750 - Shift Solenoid A                                                |
| P0751 - Shift Solenoid A Performance or Stuck Off                       |
| P0752 - Shift Solenoid A Stuck On                                       |
| P0753 - Shift Solenoid A Electrical                                     |
| P0754 - 1-2 Shift Solenoid Intermittent                                 |
| P0755 - Shift Solenoid B                                                |
| P0756 - Shift Solenoid B Performance or Stuck Off                       |
| P0757 - Shift Solenoid B Stuck On                                       |
| P0758 - Shift Solenoid B Electrical                                     |
| P0761 - Shift Solenoid C Performance or Stuck Off                       |
| P0762 - 3-4 Shift Solenoid Stuck On                                     |
| P0763 - Shift Solenoid C Electrical                                     |
| P0764 - 3-4 Shift Solenoid Intermittent                                 |

|                                                              |
|--------------------------------------------------------------|
| P0765 - Shift Solenoid D                                     |
| P0766 - Shift Solenoid D Performance or Stuck Off            |
| P0767 - 4-5 Shift Solenoid Stuck On                          |
| P0768 - Shift Solenoid D Electrical                          |
| P0769 - 4-5 Shift Solenoid Intermittent                      |
| P0770 - Shift Solenoid E                                     |
| P0772 - Shift Solenoid E Stuck On                            |
| P0773 - Shift Solenoid E Electrical                          |
| P0774 - Shift Solenoid 5 Intermittent                        |
| P0775 - Pressure Control Solenoid B                          |
| P0779 - Pressure Control Solenoid B Intermittent             |
| P0780 - Shift                                                |
| P0781 - 1-2 Shift                                            |
| P0782 - 2-3 Shift                                            |
| P0783 - 3-4 Shift                                            |
| P0784 - 4-5 Shift                                            |
| P0785 - Shift Timing Solenoid                                |
| P0786 - Shift Timing Solenoid Performance                    |
| P0787 - Shift Timing Solenoid Low Voltage                    |
| P0788 - Shift Timing Solenoid High Voltage                   |
| P0789 - Shift Timing Solenoid Intermittent                   |
| P0790 - Normal/Performance Switch Circuit                    |
| P0791 - Intermediate Shaft Speed Sensor Circuit              |
| 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                 |
| P0799 - Pressure Control Solenoid C Intermittent             |

## TRANSMISSION

|                                                                               |
|-------------------------------------------------------------------------------|
| P0801 - Reverse Inhibit Control Circuit                                       |
| P0803 - 1-4 Up shift (Skip Shift) Solenoid Control Circuit                    |
| P0804 - 1-4 Up shift (Skip Shift) Lamp Control Circuit                        |
| P0812 - Reverse Input Circuit                                                 |
| P0814 - Transmission Range Display Circuit                                    |
| P0815 - Up shift Switch Circuit                                               |
| P0816 - Downshift Switch Circuit                                              |
| P0818 - Driveline Disconnect Switch Input Circuit                             |
| P0840 - Transmission Fluid Pressure Sensor/Switch A Circuit                   |
| P0841 - Transmission Fluid Pressure Sensor/Switch A Circuit Range/Performance |
| P0844 - Transmission Fluid Pressure Sensor/Switch A Circuit Intermittent      |
| P0846 - Transmission Fluid Pressure Sensor/Switch B Circuit Range/Performance |

## TRANSMISSION

|                                                                                     |
|-------------------------------------------------------------------------------------|
| P0900 - Clutch Actuator Circuit / Open                                              |
| P0901 - Clutch Actuator Circuit Range/Performance                                   |
| P0902 - Clutch Actuator Circuit Low                                                 |
| P0903 - Clutch Actuator Circuit High                                                |
| P0904 - Gate Select Position Circuit [ left / right position]                       |
| 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 [ / right motion]                       |
| P0911 - Gate Select Actuator Circuit Range/Performance                              |
| P0912 - Gate Select Actuator Circuit Low                                            |
| P0913 - Gate Select Actuator Circuit High                                           |
| P0914 - Gear Shift Position Circuit [ forward /rearward position, odd / even gears] |

|                                                                                 |
|---------------------------------------------------------------------------------|
| 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 [ motion, odd gears, 1,3,5]  |
| 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 [ motion, even gears, 2,4,6] |
| 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 Circuit / Open                                 |
| P0929 - Gear Shift Lock Solenoid Circuit Range/Performance                      |
| P0930 - Gear Shift Lock Solenoid Circuit Low                                    |
| P0931 - Gear Shift Lock Solenoid Circuit High                                   |
| P0932 - Hydraulic Pressure Sensor Circuit                                       |
| P0933 - Hydraulic Pressure Sensor Range/Performance                             |
| P0934 - Hydraulic Pressure Sensor Circuit Low Input                             |
| P0935 - Hydraulic Pressure Sensor Circuit High Input                            |
| 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 Input                      |
| P0940 - Hydraulic Oil Temperature Sensor Circuit High Input                     |
| P0941 - Hydraulic Oil Temperature Sensor Circuit Intermittent                   |
| P0942 - Hydraulic Pressure Unit                                                 |
| P0943 - Hydraulic Pressure Unit Cycling Period Too Short                        |
| P0944 - Hydraulic Pressure Unit Loss of Pressure                                |
| P0945 - Hydraulic Pump Relay Circuit I Open                                     |
| P0946 - Hydraulic Pump Relay Circuit Range/Performance                          |
| P0947- Hydraulic Pump Relay Circuit Low                                         |
| P0948 - Hydraulic Pump Relay Circuit High                                       |
| P0949 - ASM Adaptive Learning Not Done                                          |
| P0950 - ASM Control Circuit [ / Down / Auto / etc]                              |
| P0951 - ASM Control Circuit Range/Performance                                   |
| P0952 - ASM Control Circuit Low                                                 |
| P0953 - ASM Control Circuit High                                                |
| P0954 - ASM Control Circuit Intermittent                                        |
| P0955 - ASM Mode Circuit [ / Winter / Sport / etc]                              |
| P0956 - ASM Mode Circuit Range/Performance                                      |
| P0957 - ASM Mode Circuit Low                                                    |
| P0958 - ASM Mode Circuit High                                                   |
| P0959 - ASM Mode Circuit Intermittent                                           |
| P0960 - Pressure Control Solenoid A Control Circuit / Open                      |
| P0961 - Pressure Control Solenoid A Control Circuit Range/Performance           |
| P0962 - Pressure Control Solenoid A Control Circuit Low                         |
| P0963 - Pressure Control Solenoid A Control Circuit High                        |
| P0964 - Pressure Control Solenoid B Control Circuit / Open                      |
| P0965 - Pressure Control Solenoid B Control Circuit Range/Performance           |
| P0966 - Pressure Control Solenoid B Control Circuit Low                         |
| P0967 - Pressure Control Solenoid B Control Circuit High                        |
| P0968 - Pressure Control Solenoid C Control Circuit / Open                      |
| P0969 - Pressure Control Solenoid C Control Circuit Range/Performance           |
| P0970 - Pressure Control Solenoid C Control Circuit Low                         |
| P0971 - Pressure Control Solenoid C Control Circuit High                        |

|                                                                               |
|-------------------------------------------------------------------------------|
| P0972 - Shift Solenoid A Control Circuit Range/Performance                    |
| P0973 - Shift Solenoid A Control Circuit Low                                  |
| P0974 - Shift Solenoid A Control Circuit High                                 |
| P0975 - Shift Solenoid B Control Circuit Range/Performance                    |
| P0976 - Shift Solenoid B Control Circuit Low                                  |
| P0977 - Shift Solenoid B Control Circuit High                                 |
| P0978 - Shift Solenoid C Control Circuit Range/Performance                    |
| P0979 - Shift Solenoid C Control Circuit Low                                  |
| P0980 - Shift Solenoid C Control Circuit High                                 |
| P0981 - Shift Solenoid D Control Circuit Range/Performance                    |
| P0982 - Shift Solenoid D Control Circuit Low                                  |
| P0983 - Shift Solenoid D Control Circuit High                                 |
| P0984 - Shift Solenoid E Control Circuit Range/Performance                    |
| P0985 - Shift Solenoid E Control Circuit Low                                  |
| P0986 - Shift Solenoid E Control Circuit High                                 |
| 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      |
| P0997 - Shift Solenoid F Control Circuit Range/Performance                    |
| P0998 - Shift Solenoid F Control Circuit Low                                  |
| P0999 - Shift Solenoid F Control Circuit High                                 |