

OBD-II Trouble Codes.txt

P01XX Fuel and Air Metering  
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 O2 Sensor Circuit Malfunction (Bank 1 Sensor 1)  
P0131 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)  
P0132 O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)  
P0133 O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)  
P0134 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)  
P0135 O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)  
P0136 O2 Sensor Circuit Malfunction (Bank 1 Sensor 2)  
P0137 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)  
P0138 O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)  
P0139 O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)  
P0140 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)  
P0141 O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)  
P0142 O2 Sensor Circuit Malfunction (Bank 1 Sensor 3)  
P0143 O2 Sensor Circuit Low Voltage (Bank 1 Sensor 3)  
P0144 O2 Sensor Circuit High Voltage (Bank 1 Sensor 3)  
P0145 O2 Sensor Circuit Slow Response (Bank 1 Sensor 3)  
P0146 O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 3)  
P0147 O2 Sensor Heater Circuit Malfunction (Bank 1 Sensor 3)  
P0150 O2 Sensor Circuit Malfunction (Bank 2 Sensor 1)  
P0151 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)  
P0152 O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)  
P0153 O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)  
P0154 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 1)  
P0155 O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)  
P0156 O2 Sensor Circuit Malfunction (Bank 2 Sensor 2)  
P0157 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)  
P0158 O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)  
P0159 O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)  
P0160 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 2)  
P0161 O2 Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)  
P0162 O2 Sensor Circuit Malfunction (Bank 2 Sensor 3)  
P0163 O2 Sensor Circuit Low Voltage (Bank 2 Sensor 3)  
P0164 O2 Sensor Circuit High Voltage (Bank 2 Sensor 3)  
P0165 O2 Sensor Circuit Slow Response (Bank 2 Sensor 3)

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P0166 O2 Sensor Circuit No Activity Detected (Bank 2 Sensor 3)  
P0167 O2 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  
P02XX Fuel and Air Metering  
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

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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 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 Pump Fuel Metering Control "B" High (Cam/Rotor/Injector)  
 P0260 Injection Pump Fuel Metering Control "B" Intermittent (Cam/Rotor/Injector)  
 P0261 Cylinder 1 Injector Circuit Low  
 P0262 Cylinder 1 Injector Circuit High  
 P0263 Cylinder 1 Contribution/Balance 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

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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  
 P03XX 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 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

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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  
 P04XX Auxiliary Emission Controls  
 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

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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  
P05XX Vehicle Speed, Idle Control, and Auxiliary Inputs  
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 through 10580 Reserved for Cruise Codes  
P06XX Computer and Auxiliary Outputs  
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

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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 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  
P07XX Transmission  
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

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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  
 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  
 P08XX Transmission  
 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  
 P0806 Clutch Position Sensor Circuit Range/Performance  
 P0807 Clutch Position Sensor Circuit Low  
 P0808 Clutch Position Sensor Circuit High  
 P0809 Clutch Position Sensor Circuit Intermittent  
 P0810 Clutch Position Control Error  
 P0811 Excessive Clutch Slippage  
 P0812 Reverse Input Circuit  
 P0813 Reverse Output Circuit  
 P0814 Transmission Range Display Circuit  
 P0815 Upshift Switch Circuit  
 P0816 Downshift Switch Circuit  
 P0817 Starter Disable Circuit  
 P0818 Driveline Disconnect Switch Input Circuit  
 P0819 Up and Down Shift Switch to Transmission Range Correlation  
 P0820 Gear Lever X-Y Position Sensor Circuit  
 P0821 Gear Lever X Position Circuit  
 P0822 Gear Lever Y Position Circuit  
 P0823 Gear Lever X Position Circuit Intermittent  
 P0824 Gear Lever Y Position Circuit Intermittent  
 P0825 Gear Lever Push-Pull Switch (Shift Anticipate)  
 P0826 Up and Down Shift Switch Circuit  
 P0827 Up and Down Shift Switch Circuit Low  
 P0828 Up and Down Shift Switch Circuit High  
 P0829 5-6 Shift



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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  
 P0850 Park/Neutral Switch Input Circuit  
 P0851 Park/Neutral Switch Input Circuit Low  
 P0852 Park/Neutral Switch Input Circuit High  
 P0853 Drive Switch Input Circuit  
 P0854 Drive Switch Input Circuit Low  
 P0855 Drive Switch Input Circuit High  
 P0856 Traction Control Input Signal  
 P0857 Traction Control Input Signal Range/Performance  
 P0858 Traction Control Input Signal Low  
 P0859 Traction Control Input Signal High  
 P0860 Gear Shift Module Communication Circuit  
 P0861 Gear Shift Module Communication Circuit Low  
 P0862 Gear Shift Module Communication Circuit High  
 P0863 TCM Communication Circuit  
 P0864 TCM Communication Circuit Range/Performance  
 P0865 TCM Communication Circuit Low  
 P0866 TCM Communication Circuit High  
 P0867 Transmission Fluid Pressure  
 P0868 Transmission Fluid Pressure Low  
 P0869 Transmission Fluid Pressure High  
 P0870 Transmission Fluid Pressure Sensor/Switch "C" Circuit  
 P0871 Transmission Fluid Pressure Sensor/Switch "C" Circuit Range/Performance  
 P0872 Transmission Fluid Pressure Sensor/Switch "C" Circuit Low  
 P0873 Transmission Fluid Pressure Sensor/Switch "C" Circuit High  
 P0874 Transmission Fluid Pressure Sensor/Switch "C" Circuit Intermittent  
 P0875 Transmission Fluid Pressure Sensor/Switch "D" Circuit  
 P0876 Transmission Fluid Pressure Sensor/Switch "D" Circuit Range/Performance  
 P0877 Transmission Fluid Pressure Sensor/Switch "D" Circuit Low  
 P0878 Transmission Fluid Pressure Sensor/Switch "D" Circuit High  
 P0879 Transmission Fluid Pressure Sensor/Switch "D" Circuit Intermittent  
 P0880 TCM Power Input Signal  
 P0881 TCM Power Input Signal Range/Performance  
 P0882 TCM Power Input Signal Low  
 P0883 TCM Power Input Signal High  
 P0884 TCM Power Input Signal Intermittent  
 P0885 TCM Power Relay Control Circuit/Open  
 P0886 TCM Power Relay Control Circuit Low  
 P0887 TCM Power Relay Control Circuit High  
 P0888 TCM Power Relay Sense Circuit  
 P0889 TCM Power Relay Sense Circuit Range/Performance  
 P0890 TCM Power Relay Sense Circuit Low  
 P0891 TCM Power Relay Sense Circuit High  
 P0892 TCM Power Relay Sense Circuit Intermittent

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P0893 Multiple Gears Engaged  
 P0894 Transmission Component Slipping  
 P0895 Shift Time Too Short  
 P0896 Shift Time Too Long  
 P0897 Transmission Fluid Deteriorated  
 P0898 Transmission Control System MIL Request Circuit Low  
 P0899 Transmission Control System MIL Request Circuit High  
 P0900 Clutch Actuator Circuit/Open  
 P0901 Clutch Actuator Circuit Range/Performance  
 P0902 Clutch Actuator Circuit Low  
 P0903 Clutch Actuator Circuit High  
 P0904 Gate Select Position Circuit  
 P0905 Gate Select Position Circuit Range/Performance  
 P0906 Gate Select Position Circuit Low  
 P0907 Gate Select Position Circuit High  
 P0908 Gate Select Position Circuit Intermittent  
 P0909 Gate Select Control Error  
 P0910 Gate Select Actuator Circuit/Open  
 P0911 Gate Select Actuator Circuit Range/Performance  
 P0912 Gate Select Actuator Circuit Low  
 P0913 Gate Select Actuator Circuit High  
 P0914 Gear Shift Position Circuit  
 P0915 Gear Shift Position Circuit Range/Performance  
 P0916 Gear Shift Position Circuit Low  
 P0917 Gear Shift Position Circuit High  
 P0918 Gear Shift Position Circuit Intermittent  
 P0919 Gear Shift Position Control Error  
 P0920 Gear Shift Forward Actuator Circuit/Open  
 P0921 Gear Shift Forward Actuator Circuit Range/Performance  
 P0922 Gear Shift Forward Actuator Circuit Low  
 P0923 Gear Shift Forward Actuator Circuit High  
 P0924 Gear Shift Reverse Actuator Circuit/Open  
 P0925 Gear Shift Reverse Actuator Circuit Range/Performance  
 P0926 Gear Shift Reverse Actuator Circuit Low  
 P0927 Gear Shift Reverse Actuator Circuit High  
 P0928 Gear Shift Lock Solenoid Control Circuit/Open  
 P0929 Gear Shift Lock Solenoid Control Circuit Range/Performance  
 P0930 Gear Shift Lock Solenoid Control Circuit Low  
 P0931 Gear Shift Lock Solenoid Control Circuit High  
 P0932 Hydraulic Pressure Sensor Circuit  
 P0933 Hydraulic Pressure Sensor Range/Performance  
 P0934 Hydraulic Pressure Sensor Circuit Low  
 P0935 Hydraulic Pressure Sensor Circuit High  
 P0936 Hydraulic Pressure Sensor Circuit Intermittent  
 P0937 Hydraulic Oil Temperature Sensor Circuit  
 P0938 Hydraulic Oil Temperature Sensor Range/Performance  
 P0939 Hydraulic Oil Temperature Sensor Circuit Low  
 P0940 Hydraulic Oil Temperature Sensor Circuit High  
 P0941 Hydraulic Oil Temperature Sensor Circuit Intermittent  
 P0942 Hydraulic Pressure Unit  
 P0943 Hydraulic Pressure Unit Cycling Period Too Short  
 P0944 Hydraulic Pressure Unit Loss of Pressure  
 P0945 Hydraulic Pump Relay Circuit/Open  
 P0946 Hydraulic Pump Relay Circuit Range/Performance  
 P0947 Hydraulic Pump Relay Circuit Low  
 P0948 Hydraulic Pump Relay Circuit High  
 P0949 Auto Shift Manual Adaptive Learning Not Complete  
 P0950 Auto Shift Manual Control Circuit  
 P0951 Auto Shift Manual Control Circuit Range/Performance  
 P0952 Auto Shift Manual Control Circuit Low  
 P0953 Auto Shift Manual Control Circuit High  
 P0954 Auto Shift Manual Control Circuit Intermittent  
 P0955 Auto Shift Manual Mode Circuit

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P0956 Auto Shift Manual Mode Circuit Range/Performance  
 P0957 Auto Shift Manual Mode Circuit Low  
 P0958 Auto Shift Manual Mode Circuit High  
 P0959 Auto Shift Manual Mode Circuit Intermittent  
 P0960 Pressure Control Solenoid "A" Control Circuit/Open  
 P0961 Pressure Control Solenoid "A" Control Circuit Range/Performance  
 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  
 POA00 Motor Electronics Coolant Temperature Sensor Circuit  
 POA01 Motor Electronics Coolant Temperature Sensor Circuit Range/Performance  
 POA02 Motor Electronics Coolant Temperature Sensor Circuit Low  
 POA03 Motor Electronics Coolant Temperature Sensor Circuit High  
 POA04 Motor Electronics Coolant Temperature Sensor Circuit Intermittent  
 POA05 Motor Electronics Coolant Pump Control Circuit/Open  
 POA06 Motor Electronics Coolant Pump Control Circuit Low  
 POA07 Motor Electronics Coolant Pump Control Circuit High  
 POA08 DC/DC Converter Status Circuit  
 POA09 DC/DC Converter Status Circuit Low Input  
 POA10 DC/DC Converter Status Circuit High Input  
 POA11 DC/DC Converter Enable Circuit/Open  
 POA12 DC/DC Converter Enable Circuit Low  
 POA13 DC/DC Converter Enable Circuit High  
 POA14 Engine Mount Control Circuit/Open  
 POA15 Engine Mount Control Circuit Low  
 POA16 Engine Mount Control Circuit High  
 POA17 Motor Torque Sensor Circuit  
 POA18 Motor Torque Sensor Circuit Range/Performance

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P0A19 Motor Torque Sensor Circuit Low  
 P0A20 Motor Torque Sensor Circuit High  
 P0A21 Motor Torque Sensor Circuit Intermittent  
 P0A22 Generator Torque Sensor Circuit  
 P0A23 Generator Torque Sensor Circuit Range/Performance  
 P0A24 Generator Torque Sensor Circuit Low  
 P0A25 Generator Torque Sensor Circuit High  
 P0A26 Generator Torque Sensor Circuit Intermittent  
 P0A27 Battery Power Off Circuit  
 P0A28 Battery Power Off Circuit Low  
 P0A29 Battery Power Off Circuit High  
 P2000 NOx Trap Efficiency Below Threshold  
 P2001 NOx Trap Efficiency Below Threshold  
 P2002 Particulate Trap Efficiency Below Threshold  
 P2003 Particulate Trap Efficiency Below Threshold  
 P2004 Intake Manifold Runner Control Stuck Open  
 P2005 Intake Manifold Runner Control Stuck Open  
 P2006 Intake Manifold Runner Control Stuck Closed  
 P2007 Intake Manifold Runner Control Stuck Closed  
 P2008 Intake Manifold Runner Control Circuit/Open  
 P2009 Intake Manifold Runner Control Circuit Low  
 P2010 Intake Manifold Runner Control Circuit High  
 P2011 Intake Manifold Runner Control Circuit/Open  
 P2012 Intake Manifold Runner Control Circuit Low  
 P2013 Intake Manifold Runner Control Circuit High  
 P2014 Intake Manifold Runner Position Sensor/Switch Circuit  
 P2015 Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance  
 P2016 Intake Manifold Runner Position Sensor/Switch Circuit Low  
 P2017 Intake Manifold Runner Position Sensor/Switch Circuit High  
 P2018 Intake Manifold Runner Position Sensor/Switch Circuit Intermittent  
 P2019 Intake Manifold Runner Position Sensor/Switch Circuit  
 P2020 Intake Manifold Runner Position Sensor/Switch Circuit Range/Performance  
 P2021 Intake Manifold Runner Position Sensor/Switch Circuit Low  
 P2022 Intake Manifold Runner Position Sensor/Switch Circuit High  
 P2023 Intake Manifold Runner Position Sensor/Switch Circuit Intermittent  
 P2024 Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit  
 P2025 Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Performance  
 P2026 Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit Low Vol tage  
 P2027 Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit High  
 Vol tage  
 P2028 Evaporative Emissions (EVAP) Fuel Vapor Temperature Sensor Circuit  
 Intermittent  
 P2029 Fuel Fired Heater Disabled  
 P2030 Fuel Fired Heater Performance  
 P2031 Exhaust Gas Temperature Sensor Circuit  
 P2032 Exhaust Gas Temperature Sensor Circuit Low  
 P2033 Exhaust Gas Temperature Sensor Circuit High  
 P2034 Exhaust Gas Temperature Sensor Circuit  
 P2035 Exhaust Gas Temperature Sensor Circuit Low  
 P2036 Exhaust Gas Temperature Sensor Circuit High  
 P2037 Reductant Injection Air Pressure Sensor Circuit  
 P2038 Reductant Injection Air Pressure Sensor Circuit Range/Performance  
 P2039 Reductant Injection Air Pressure Sensor Circuit Low Input  
 P2040 Reductant Injection Air Pressure Sensor Circuit High Input  
 P2041 Reductant Injection Air Pressure Sensor Circuit Intermittent  
 P2042 Reductant Temperature Sensor Circuit  
 P2043 Reductant Temperature Sensor Circuit Range/Performance  
 P2044 Reductant Temperature Sensor Circuit Low Input  
 P2045 Reductant Temperature Sensor Circuit High Input  
 P2046 Reductant Temperature Sensor Circuit Intermittent  
 P2047 Reductant Injector Circuit/Open  
 P2048 Reductant Injector Circuit Low  
 P2049 Reductant Injector Circuit High

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P2050 Reductant Injector Circuit/Open  
 P2051 Reductant Injector Circuit Low  
 P2052 Reductant Injector Circuit High  
 P2053 Reductant Injector Circuit/Open  
 P2054 Reductant Injector Circuit Low  
 P2055 Reductant Injector Circuit High  
 P2056 Reductant Injector Circuit/Open  
 P2057 Reductant Injector Circuit Low  
 P2058 Reductant Injector Circuit High  
 P2059 Reductant Injection Air Pump Control Circuit/Open  
 P2060 Reductant Injection Air Pump Control Circuit Low  
 P2061 Reductant Injection Air Pump Control Circuit High  
 P2062 Reductant Supply Control Circuit/Open  
 P2063 Reductant Supply Control Circuit Low  
 P2064 Reductant Supply Control Circuit High  
 P2065 Fuel Level Sensor "B" Circuit  
 P2066 Fuel Level Sensor "B" Performance  
 P2067 Fuel Level Sensor "B" Circuit Low  
 P2068 Fuel Level Sensor "B" Circuit High  
 P2069 Fuel Level Sensor "B" Circuit Intermittent  
 P2070 Intake Manifold Tuning (IMT) Valve Stuck Open  
 P2071 Intake Manifold Tuning (IMT) Valve Stuck Closed  
 P2075 Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit  
 P2076 Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit  
 Range/Performance  
 P2077 Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Low  
 P2078 Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit High  
 P2079 Intake Manifold Tuning (IMT) Valve Position Sensor/Switch Circuit Intermittent  
 P2080 Exhaust Gas Temperature Sensor Circuit Range/Performance  
 P2081 Exhaust Gas Temperature Sensor Circuit Intermittent  
 P2082 Exhaust Gas Temperature Sensor Circuit Range/Performance  
 P2083 Exhaust Gas Temperature Sensor Circuit Intermittent  
 P2084 Exhaust Gas Temperature Sensor Circuit Range/Performance  
 P2085 Exhaust Gas Temperature Sensor Circuit Intermittent  
 P2086 Exhaust Gas Temperature Sensor Circuit Range/Performance  
 P2087 Exhaust Gas Temperature Sensor Circuit Intermittent  
 P2088 "A" Camshaft Position Actuator Control Circuit Low  
 P2089 "A" Camshaft Position Actuator Control Circuit High  
 P2090 "B" Camshaft Position Actuator Control Circuit Low  
 P2091 "B" Camshaft Position Actuator Control Circuit High  
 P2092 "A" Camshaft Position Actuator Control Circuit Low  
 P2093 "A" Camshaft Position Actuator Control Circuit High  
 P2094 "B" Camshaft Position Actuator Control Circuit Low  
 P2095 "B" Camshaft Position Actuator Control Circuit High  
 P2096 Post Catalyst Fuel Trim System Too Lean  
 P2097 Post Catalyst Fuel Trim System Too Rich  
 P2098 Post Catalyst Fuel Trim System Too Lean  
 P2099 Post Catalyst Fuel Trim System Too Rich  
 P2100 Throttle Actuator Control Motor Circuit/Open  
 P2101 Throttle Actuator Control Motor Circuit Range/Performance  
 P2102 Throttle Actuator Control Motor Circuit Low  
 P2103 Throttle Actuator Control Motor Circuit High  
 P2104 Throttle Actuator Control System - Forced Idle  
 P2105 Throttle Actuator Control System - Forced Engine Shutdown  
 P2106 Throttle Actuator Control System - Forced Limited Power  
 P2107 Throttle Actuator Control Module Processor  
 P2108 Throttle Actuator Control Module Performance  
 P2109 Throttle/Pedal Position Sensor "A" Minimum Stop Performance  
 P2110 Throttle Actuator Control System - Forced Limited RPM  
 P2111 Throttle Actuator Control System - Stuck Open  
 P2112 Throttle Actuator Control System - Stuck Closed  
 P2113 Throttle/Pedal Position Sensor "B" Minimum Stop Performance  
 P2114 Throttle/Pedal Position Sensor "C" Minimum Stop Performance

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P2115 Throttle/Pedal Position Sensor "D" Minimum Stop Performance  
 P2116 Throttle/Pedal Position Sensor "E" Minimum Stop Performance  
 P2117 Throttle/Pedal Position Sensor "F" Minimum Stop Performance  
 P2118 Throttle Actuator Control Motor Current Range/Performance  
 P2119 Throttle Actuator Control Throttle Body Range/Performance  
 P2120 Throttle/Pedal Position Sensor/Switch "D" Circuit  
 P2121 Throttle/Pedal Position Sensor/Switch "D" Circuit Range/Performance  
 P2122 Throttle/Pedal Position Sensor/Switch "D" Circuit Low Input  
 P2123 Throttle/Pedal Position Sensor/Switch "D" Circuit High Input  
 P2124 Throttle/Pedal Position Sensor/Switch "D" Circuit Intermittent  
 P2125 Throttle/Pedal Position Sensor/Switch "E" Circuit  
 P2126 Throttle/Pedal Position Sensor/Switch "E" Circuit Range/Performance  
 P2127 Throttle/Pedal Position Sensor/Switch "E" Circuit Low Input  
 P2128 Throttle/Pedal Position Sensor/Switch "E" Circuit High Input  
 P2129 Throttle/Pedal Position Sensor/Switch "E" Circuit Intermittent  
 P2130 Throttle/Pedal Position Sensor/Switch "F" Circuit  
 P2131 Throttle/Pedal Position Sensor/Switch "F" Circuit Range Performance  
 P2132 Throttle/Pedal Position Sensor/Switch "F" Circuit Low Input  
 P2133 Throttle/Pedal Position Sensor/Switch "F" Circuit High Input  
 P2134 Throttle/Pedal Position Sensor/Switch "F" Circuit Intermittent  
 P2135 Throttle/Pedal Position Sensor/Switch "A" / "B" Voltage Correlation  
 P2136 Throttle/Pedal Position Sensor/Switch "A" / "C" Voltage Correlation  
 P2137 Throttle/Pedal Position Sensor/Switch "B" / "C" Voltage Correlation  
 P2138 Throttle/Pedal Position Sensor/Switch "D" / "E" Voltage Correlation  
 P2139 Throttle/Pedal Position Sensor/Switch "D" / "F" Voltage Correlation  
 P2140 Throttle/Pedal Position Sensor/Switch "E" / "F" Voltage Correlation  
 P2141 Exhaust Gas Recirculation Throttle Control Circuit Low  
 P2142 Exhaust Gas Recirculation Throttle Control Circuit High  
 P2143 Exhaust Gas Recirculation Vent Control Circuit/Open  
 P2144 Exhaust Gas Recirculation Vent Control Circuit Low  
 P2145 Exhaust Gas Recirculation Vent Control Circuit High  
 P2146 Fuel Injector Group "A" Supply Voltage Circuit/Open  
 P2147 Fuel Injector Group "A" Supply Voltage Circuit Low  
 P2148 Fuel Injector Group "A" Supply Voltage Circuit High  
 P2149 Fuel Injector Group "B" Supply Voltage Circuit/Open  
 P2150 Fuel Injector Group "B" Supply Voltage Circuit Low  
 P2151 Fuel Injector Group "B" Supply Voltage Circuit High  
 P2152 Fuel Injector Group "C" Supply Voltage Circuit/Open  
 P2153 Fuel Injector Group "C" Supply Voltage Circuit Low  
 P2154 Fuel Injector Group "C" Supply Voltage Circuit High  
 P2155 Fuel Injector Group "D" Supply Voltage Circuit/Open  
 P2156 Fuel Injector Group "D" Supply Voltage Circuit Low  
 P2157 Fuel Injector Group "D" Supply Voltage Circuit High  
 P2158 Vehicle Speed Sensor "B"  
 P2159 Vehicle Speed Sensor "B" Range/Performance  
 P2160 Vehicle Speed Sensor "B" Circuit Low  
 P2161 Vehicle Speed Sensor "B" Intermittent/Erratic  
 P2162 Vehicle Speed Sensor "A" / "B" Correlation  
 P2163 Throttle/Pedal Position Sensor "A" Maximum Stop Performance  
 P2164 Throttle/Pedal Position Sensor "B" Maximum Stop Performance  
 P2165 Throttle/Pedal Position Sensor "C" Maximum Stop Performance  
 P2166 Throttle/Pedal Position Sensor "D" Maximum Stop Performance  
 P2167 Throttle/Pedal Position Sensor "E" Maximum Stop Performance  
 P2168 Throttle/Pedal Position Sensor "F" Maximum Stop Performance  
 P2169 Exhaust Pressure Regulator Vent Solenoid Control Circuit/Open  
 P2170 Exhaust Pressure Regulator Vent Solenoid Control Circuit Low  
 P2171 Exhaust Pressure Regulator Vent Solenoid Control Circuit High  
 P2172 Throttle Actuator Control System - Sudden High Airflow Detected  
 P2173 Throttle Actuator Control System - High Airflow Detected  
 P2174 Throttle Actuator Control System - Sudden Low Airflow Detected  
 P2175 Throttle Actuator Control System - Low Airflow Detected  
 P2176 Throttle Actuator Control System - Idle Position Not Learned  
 P2177 System Too Lean Off Idle

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P2178 System Too Rich Off Idle  
 P2179 System Too Lean Off Idle  
 P2180 System Too Rich Off Idle  
 P2181 Cooling System Performance  
 P2182 Engine Coolant Temperature Sensor 2 Circuit  
 P2183 Engine Coolant Temperature Sensor 2 Circuit Range/Performance  
 P2184 Engine Coolant Temperature Sensor 2 Circuit Low  
 P2185 Engine Coolant Temperature Sensor 2 Circuit High  
 P2186 Engine Coolant Temperature Sensor 2 Circuit Intermittent/Erratic  
 P2187 System Too Lean at Idle  
 P2188 System Too Rich at Idle  
 P2189 System Too Lean at Idle  
 P2190 System Too Rich at Idle  
 P2191 System Too Lean at Higher Load  
 P2192 System Too Rich at Higher Load  
 P2193 System Too Lean at Higher Load  
 P2194 System Too Rich at Higher Load  
 P2195 O2 Sensor Signal Stuck Lean  
 P2196 O2 Sensor Signal Stuck Rich  
 P2197 O2 Sensor Signal Stuck Lean  
 P2198 O2 Sensor Signal Stuck Rich  
 P2199 Intake Air Temperature Sensor 1 / 2 Correlation  
 P2200 NOx Sensor Circuit  
 P2201 NOx Sensor Circuit Range/Performance  
 P2202 NOx Sensor Circuit Low Input  
 P2203 NOx Sensor Circuit High Input  
 P2204 NOx Sensor Circuit Intermittent Input  
 P2205 NOx Sensor Heater Control Circuit/Open  
 P2206 NOx Sensor Heater Control Circuit Low  
 P2207 NOx Sensor Heater Control Circuit High  
 P2208 NOx Sensor Heater Sense Circuit  
 P2209 NOx Sensor Heater Sense Circuit Range/Performance  
 P2210 NOx Sensor Heater Sense Circuit Low Input  
 P2211 NOx Sensor Heater Sense Circuit High Input  
 P2212 NOx Sensor Heater Sense Circuit Intermittent  
 P2213 NOx Sensor Circuit  
 P2214 NOx Sensor Circuit Range/Performance  
 P2215 NOx Sensor Circuit Low Input  
 P2216 NOx Sensor Circuit High Input  
 P2217 NOx Sensor Circuit Intermittent Input  
 P2218 NOx Sensor Heater Control Circuit/Open  
 P2219 NOx Sensor Heater Control Circuit Low  
 P2220 NOx Sensor Heater Control Circuit High  
 P2221 NOx Sensor Heater Sense Circuit  
 P2222 NOx Sensor Heater Sense Circuit Range/Performance  
 P2223 NOx Sensor Heater Sense Circuit Low  
 P2224 NOx Sensor Heater Sense Circuit High  
 P2225 NOx Sensor Heater Sense Circuit Intermittent  
 P2226 Barometric Pressure Circuit  
 P2227 Barometric Pressure Circuit Range/Performance  
 P2228 Barometric Pressure Circuit Low  
 P2229 Barometric Pressure Circuit High  
 P2230 Barometric Pressure Circuit Intermittent  
 P2231 O2 Sensor Signal Circuit Shorted to Heater Circuit  
 P2232 O2 Sensor Signal Circuit Shorted to Heater Circuit  
 P2233 O2 Sensor Signal Circuit Shorted to Heater Circuit  
 P2234 O2 Sensor Signal Circuit Shorted to Heater Circuit  
 P2235 O2 Sensor Signal Circuit Shorted to Heater Circuit  
 P2236 O2 Sensor Signal Circuit Shorted to Heater Circuit  
 P2237 O2 Sensor Positive Current Control Circuit/Open  
 P2238 O2 Sensor Positive Current Control Circuit Low  
 P2239 O2 Sensor Positive Current Control Circuit High  
 P2240 O2 Sensor Positive Current Control Circuit/Open

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P2241 02 Sensor Positive Current Control Circuit Low  
 P2242 02 Sensor Positive Current Control Circuit High  
 P2243 02 Sensor Reference Voltage Circuit/Open  
 P2244 02 Sensor Reference Voltage Performance  
 P2245 02 Sensor Reference Voltage Circuit Low  
 P2246 02 Sensor Reference Voltage Circuit High  
 P2247 02 Sensor Reference Voltage Circuit/Open  
 P2248 02 Sensor Reference Voltage Performance  
 P2249 02 Sensor Reference Voltage Circuit Low  
 P2250 02 Sensor Reference Voltage Circuit High  
 P2251 02 Sensor Negative Current Control Circuit/Open  
 P2252 02 Sensor Negative Current Control Circuit Low  
 P2253 02 Sensor Negative Current Control Circuit High  
 P2254 02 Sensor Negative Current Control Circuit/Open  
 P2255 02 Sensor Negative Current Control Circuit Low  
 P2256 02 Sensor Negative Current Control Circuit High  
 P2257 Secondary Air Injection System Control "A" Circuit Low  
 P2258 Secondary Air Injection System Control "A" Circuit High  
 P2259 Secondary Air Injection System Control "B" Circuit Low  
 P2260 Secondary Air Injection System Control "B" Circuit High  
 P2261 Turbo/Super Charger Bypass Valve - Mechanical  
 P2262 Turbo Boost Pressure Not Detected - Mechanical  
 P2263 Turbo/Super Charger Boost System Performance  
 P2264 Water in Fuel Sensor Circuit  
 P2265 Water in Fuel Sensor Circuit Range/Performance  
 P2266 Water in Fuel Sensor Circuit Low  
 P2267 Water in Fuel Sensor Circuit High  
 P2268 Water in Fuel Sensor Circuit Intermittent  
 P2269 Water in Fuel Condition  
 P2270 02 Sensor Signal Stuck Lean  
 P2271 02 Sensor Signal Stuck Rich  
 P2272 02 Sensor Signal Stuck Lean  
 P2273 02 Sensor Signal Stuck Rich  
 P2274 02 Sensor Signal Stuck Lean  
 P2275 02 Sensor Signal Stuck Rich  
 P2276 02 Sensor Signal Stuck Lean  
 P2277 02 Sensor Signal Stuck Rich  
 P2278 02 Sensor Signals Swapped Bank 1 Sensor 3 / Bank 2 Sensor 3  
 P2279 Intake Air System Leak  
 P2280 Air Flow Restriction / Air Leak Between Air Filter and MAF  
 P2281 Air Leak Between MAF and Throttle Body  
 P2282 Air Leak Between Throttle Body and Intake Valves  
 P2283 Injector Control Pressure Sensor Circuit  
 P2284 Injector Control Pressure Sensor Circuit Range/Performance  
 P2285 Injector Control Pressure Sensor Circuit Low  
 P2286 Injector Control Pressure Sensor Circuit High  
 P2287 Injector Control Pressure Sensor Circuit Intermittent  
 P2288 Injector Control Pressure Too High  
 P2289 Injector Control Pressure Too High - Engine Off  
 P2290 Injector Control Pressure Too Low  
 P2291 Injector Control Pressure Too Low - Engine Cranking  
 P2292 Injector Control Pressure Erratic  
 P2293 Fuel Pressure Regulator 2 Performance  
 P2294 Fuel Pressure Regulator 2 Control Circuit  
 P2295 Fuel Pressure Regulator 2 Control Circuit Low  
 P2296 Fuel Pressure Regulator 2 Control Circuit High  
 P2297 02 Sensor Out of Range During Deceleration  
 P2298 02 Sensor Out of Range During Deceleration  
 P2299 Brake Pedal Position / Accelerator Pedal Position Incompatible  
 P2300 Ignition Coil "A" Primary Control Circuit Low  
 P2301 Ignition Coil "A" Primary Control Circuit High  
 P2302 Ignition Coil "A" Secondary Circuit  
 P2303 Ignition Coil "B" Primary Control Circuit Low



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P2304 Igni ti on Coi l "B" Primary Control Ci rcui t Hi gh  
 P2305 Igni ti on Coi l "B" Secondary Ci rcui t  
 P2306 Igni ti on Coi l "C" Primary Control Ci rcui t Low  
 P2307 Igni ti on Coi l "C" Primary Control Ci rcui t Hi gh  
 P2308 Igni ti on Coi l "C" Secondary Ci rcui t  
 P2309 Igni ti on Coi l "D" Primary Control Ci rcui t Low  
 P2310 Igni ti on Coi l "D" Primary Control Ci rcui t Hi gh  
 P2311 Igni ti on Coi l "D" Secondary Ci rcui t  
 P2312 Igni ti on Coi l "E" Primary Control Ci rcui t Low  
 P2313 Igni ti on Coi l "E" Primary Control Ci rcui t Hi gh  
 P2314 Igni ti on Coi l "E" Secondary Ci rcui t  
 P2315 Igni ti on Coi l "F" Primary Control Ci rcui t Low  
 P2316 Igni ti on Coi l "F" Primary Control Ci rcui t Hi gh  
 P2317 Igni ti on Coi l "F" Secondary Ci rcui t  
 P2318 Igni ti on Coi l "G" Primary Control Ci rcui t Low  
 P2319 Igni ti on Coi l "G" Primary Control Ci rcui t Hi gh  
 P2320 Igni ti on Coi l "G" Secondary Ci rcui t  
 P2321 Igni ti on Coi l "H" Primary Control Ci rcui t Low  
 P2322 Igni ti on Coi l "H" Primary Control Ci rcui t Hi gh  
 P2323 Igni ti on Coi l "H" Secondary Ci rcui t  
 P2324 Igni ti on Coi l "I" Primary Control Ci rcui t Low  
 P2325 Igni ti on Coi l "I" Primary Control Ci rcui t Hi gh  
 P2326 Igni ti on Coi l "I" Secondary Ci rcui t  
 P2327 Igni ti on Coi l "J" Primary Control Ci rcui t Low  
 P2328 Igni ti on Coi l "J" Primary Control Ci rcui t Hi gh  
 P2329 Igni ti on Coi l "J" Secondary Ci rcui t  
 P2330 Igni ti on Coi l "K" Primary Control Ci rcui t Low  
 P2331 Igni ti on Coi l "K" Primary Control Ci rcui t Hi gh  
 P2332 Igni ti on Coi l "K" Secondary Ci rcui t  
 P2333 Igni ti on Coi l "L" Primary Control Ci rcui t Low  
 P2334 Igni ti on Coi l "L" Primary Control Ci rcui t Hi gh  
 P2335 Igni ti on Coi l "L" Secondary Ci rcui t  
 P2336 Cyl i nder #1 Above Knock Threshol d  
 P2337 Cyl i nder #2 Above Knock Threshol d  
 P2338 Cyl i nder #3 Above Knock Threshol d  
 P2339 Cyl i nder #4 Above Knock Threshol d  
 P2340 Cyl i nder #5 Above Knock Threshol d  
 P2341 Cyl i nder #6 Above Knock Threshol d  
 P2342 Cyl i nder #7 Above Knock Threshol d  
 P2343 Cyl i nder #8 Above Knock Threshol d  
 P2344 Cyl i nder #9 Above Knock Threshol d  
 P2345 Cyl i nder #10 Above Knock Threshol d  
 P2346 Cyl i nder #11 Above Knock Threshol d  
 P2347 Cyl i nder #12 Above Knock Threshol d  
 P2400 Evaporati ve Emi ssi on System Leak Detecti on Pump Control Ci rcui t/Open  
 P2401 Evaporati ve Emi ssi on System Leak Detecti on Pump Control Ci rcui t Low  
 P2402 Evaporati ve Emi ssi on System Leak Detecti on Pump Control Ci rcui t Hi gh  
 P2403 Evaporati ve Emi ssi on System Leak Detecti on Pump Sense Ci rcui t/Open  
 P2404 Evaporati ve Emi ssi on System Leak Detecti on Pump Sense Ci rcui t  
 Range/Performance  
 P2405 Evaporati ve Emi ssi on System Leak Detecti on Pump Sense Ci rcui t Low  
 P2406 Evaporati ve Emi ssi on System Leak Detecti on Pump Sense Ci rcui t Hi gh  
 P2407 Evaporati ve Emi ssi on System Leak Detecti on Pump Sense Ci rcui t  
 Intermi ttent/Errati c  
 P2408 Fuel Cap Sensor/Swi tch Ci rcui t  
 P2409 Fuel Cap Sensor/Swi tch Ci rcui t Range/Performance  
 P2410 Fuel Cap Sensor/Swi tch Ci rcui t Low  
 P2411 Fuel Cap Sensor/Swi tch Ci rcui t Hi gh  
 P2412 Fuel Cap Sensor/Swi tch Ci rcui t Intermi ttent/Errati c  
 P2413 Exhaust Gas Reci rcul ati on System Performance  
 P2414 O2 Sensor Exhaust Sample Error  
 P2415 O2 Sensor Exhaust Sample Error  
 P2416 O2 Sensor Si gnal s Swapped Bank 1 Sensor 2 / Bank 1 Sensor 3

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P2417 O2 Sensor Signals Swapped Bank 2 Sensor 2 / Bank 2 Sensor 3  
P2418 Evaporative Emission System Switching Valve Control Circuit / Open  
P2419 Evaporative Emission System Switching Valve Control Circuit Low  
P2420 Evaporative Emission System Switching Valve Control Circuit High  
P2421 Evaporative Emission System Vent Valve Stuck Open  
P2422 Evaporative Emission System Vent Valve Stuck Closed  
P2423 HC Adsorption Catalyst Efficiency Below Threshold  
P2424 HC Adsorption Catalyst Efficiency Below Threshold  
P2425 Exhaust Gas Recirculation Cooling Valve Control Circuit/Open  
P2426 Exhaust Gas Recirculation Cooling Valve Control Circuit Low  
P2427 Exhaust Gas Recirculation Cooling Valve Control Circuit High  
P2428 Exhaust Gas Temperature Too High  
P2429 Exhaust Gas Temperature Too High  
P2430 Secondary Air Injection System Air Flow/Pressure Sensor Circuit  
P2431 Secondary Air Injection System Air Flow/Pressure Sensor Circuit  
Range/Performance  
P2432 Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low  
P2433 Secondary Air Injection System Air Flow/Pressure Sensor Circuit High  
P2434 Secondary Air Injection System Air Flow/Pressure Sensor Circuit  
Intermittent/Erratic  
P2435 Secondary Air Injection System Air Flow/Pressure Sensor Circuit  
P2436 Secondary Air Injection System Air Flow/Pressure Sensor Circuit  
Range/Performance  
P2437 Secondary Air Injection System Air Flow/Pressure Sensor Circuit Low  
P2438 Secondary Air Injection System Air Flow/Pressure Sensor Circuit High  
P2439 Secondary Air Injection System Air Flow/Pressure Sensor Circuit  
Intermittent/Erratic  
P2440 Secondary Air Injection System Switching Valve Stuck Open  
P2441 Secondary Air Injection System Switching Valve Stuck Closed  
P2442 Secondary Air Injection System Switching Valve Stuck Open  
P2443 Secondary Air Injection System Switching Valve Stuck Closed  
P2444 Secondary Air Injection System Pump Stuck On  
P2445 Secondary Air Injection System Pump Stuck Off  
P2446 Secondary Air Injection System Pump Stuck On  
P2447 Secondary Air Injection System Pump Stuck Off  
P2500 Generator Lamp/L-Terminal Circuit Low  
P2501 Generator Lamp/L-Terminal Circuit High  
P2502 Charging System Voltage  
P2503 Charging System Voltage Low  
P2504 Charging System Voltage High  
P2505 ECM/PCM Power Input Signal  
P2506 ECM/PCM Power Input Signal Range/Performance  
P2507 ECM/PCM Power Input Signal Low  
P2508 ECM/PCM Power Input Signal High  
P2509 ECM/PCM Power Input Signal Intermittent  
P2510 ECM/PCM Power Relay Sense Circuit Range/Performance  
P2511 ECM/PCM Power Relay Sense Circuit Intermittent  
P2512 Event Data Recorder Request Circuit/ Open  
P2513 Event Data Recorder Request Circuit Low  
P2514 Event Data Recorder Request Circuit High  
P2515 A/C Refrigerant Pressure Sensor "B" Circuit  
P2516 A/C Refrigerant Pressure Sensor "B" Circuit Range/Performance  
P2517 A/C Refrigerant Pressure Sensor "B" Circuit Low  
P2518 A/C Refrigerant Pressure Sensor "B" Circuit High  
P2519 A/C Request "A" Circuit  
P2520 A/C Request "A" Circuit Low  
P2521 A/C Request "A" Circuit High  
P2522 A/C Request "B" Circuit  
P2523 A/C Request "B" Circuit Low  
P2524 A/C Request "B" Circuit High  
P2525 Vacuum Reservoir Pressure Sensor Circuit  
P2526 Vacuum Reservoir Pressure Sensor Circuit Range/Performance  
P2527 Vacuum Reservoir Pressure Sensor Circuit Low

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P2528 Vacuum Reservoir Pressure Sensor Circuit High  
 P2529 Vacuum Reservoir Pressure Sensor Circuit Intermittent  
 P2530 Ignition Switch Run Position Circuit  
 P2531 Ignition Switch Run Position Circuit Low  
 P2532 Ignition Switch Run Position Circuit High  
 P2533 Ignition Switch Run/Start Position Circuit  
 P2534 Ignition Switch Run/Start Position Circuit Low  
 P2535 Ignition Switch Run/Start Position Circuit High  
 P2536 Ignition Switch Accessory Position Circuit  
 P2537 Ignition Switch Accessory Position Circuit Low  
 P2538 Ignition Switch Accessory Position Circuit High  
 P2539 Low Pressure Fuel System Sensor Circuit  
 P2540 Low Pressure Fuel System Sensor Circuit Range/Performance  
 P2541 Low Pressure Fuel System Sensor Circuit Low  
 P2542 Low Pressure Fuel System Sensor Circuit High  
 P2543 Low Pressure Fuel System Sensor Circuit Intermittent  
 P2544 Torque Management Request Input Signal "A"  
 P2545 Torque Management Request Input Signal "A" Range/Performance  
 P2546 Torque Management Request Input Signal "A" Low  
 P2547 Torque Management Request Input Signal "A" High  
 P2548 Torque Management Request Input Signal "B"  
 P2549 Torque Management Request Input Signal "B" Range/Performance  
 P2550 Torque Management Request Input Signal "B" Low  
 P2551 Torque Management Request Input Signal "B" High  
 P2552 Throttle/Fuel Inhibit Circuit  
 P2553 Throttle/Fuel Inhibit Circuit Range/Performance  
 P2554 Throttle/Fuel Inhibit Circuit Low  
 P2555 Throttle/Fuel Inhibit Circuit High  
 P2556 Engine Coolant Level Sensor/Switch Circuit  
 P2557 Engine Coolant Level Sensor/Switch Circuit Range/Performance  
 P2558 Engine Coolant Level Sensor/Switch Circuit Low  
 P2559 Engine Coolant Level Sensor/Switch Circuit High  
 P2560 Engine Coolant Level Low  
 P2561 A/C Control Module Requested MIL Illumination  
 P2562 Turbocharger Boost Control Position Sensor Circuit  
 P2563 Turbocharger Boost Control Position Sensor Circuit Range/Performance  
 P2564 Turbocharger Boost Control Position Sensor Circuit Low  
 P2565 Turbocharger Boost Control Position Sensor Circuit High  
 P2566 Turbocharger Boost Control Position Sensor Circuit Intermittent  
 P2567 Direct Ozone Reduction Catalyst Temperature Sensor Circuit  
 P2568 Direct Ozone Reduction Catalyst Temperature Sensor Circuit Range/Performance  
 P2569 Direct Ozone Reduction Catalyst Temperature Sensor Circuit Low  
 P2570 Direct Ozone Reduction Catalyst Temperature Sensor Circuit High  
 P2571 Direct Ozone Reduction Catalyst Temperature Sensor Circuit Intermittent/Erratic  
 P2572 Direct Ozone Reduction Catalyst Deterioration Sensor Circuit  
 P2573 Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Range/Performance  
 P2574 Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Low  
 P2575 Direct Ozone Reduction Catalyst Deterioration Sensor Circuit High  
 P2576 Direct Ozone Reduction Catalyst Deterioration Sensor Circuit Intermittent/Erratic  
 P2577 Direct Ozone Reduction Catalyst Efficiency Below Threshold  
 P2600 Coolant Pump Control Circuit/Open  
 P2601 Coolant Pump Control Circuit Range/Performance  
 P2602 Coolant Pump Control Circuit Low  
 P2603 Coolant Pump Control Circuit High  
 P2604 Intake Air Heater "A" Circuit Range/Performance  
 P2605 Intake Air Heater "A" Circuit/Open  
 P2606 Intake Air Heater "B" Circuit Range/Performance  
 P2607 Intake Air Heater "B" Circuit Low  
 P2608 Intake Air Heater "B" Circuit High  
 P2609 Intake Air Heater System Performance  
 P2610 ECM/PCM Internal Engine Off Timer Performance

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P2611 A/C Refrigerant Distribution Valve Control Circuit/Open  
 P2612 A/C Refrigerant Distribution Valve Control Circuit Low  
 P2613 A/C Refrigerant Distribution Valve Control Circuit High  
 P2614 Camshaft Position Signal Output Circuit/Open  
 P2615 Camshaft Position Signal Output Circuit Low  
 P2616 Camshaft Position Signal Output Circuit High  
 P2617 Crankshaft Position Signal Output Circuit/Open  
 P2618 Crankshaft Position Signal Output Circuit Low  
 P2619 Crankshaft Position Signal Output Circuit High  
 P2620 Throttle Position Output Circuit/Open  
 P2621 Throttle Position Output Circuit Low  
 P2622 Throttle Position Output Circuit High  
 P2623 Injector Control Pressure Regulator Circuit/Open  
 P2624 Injector Control Pressure Regulator Circuit Low  
 P2625 Injector Control Pressure Regulator Circuit High  
 P2626 O2 Sensor Pumping Current Trim Circuit/Open  
 P2627 O2 Sensor Pumping Current Trim Circuit Low  
 P2628 O2 Sensor Pumping Current Trim Circuit High  
 P2629 O2 Sensor Pumping Current Trim Circuit/Open  
 P2630 O2 Sensor Pumping Current Trim Circuit Low  
 P2631 O2 Sensor Pumping Current Trim Circuit High  
 P2632 Fuel Pump "B" Control Circuit /Open  
 P2633 Fuel Pump "B" Control Circuit Low  
 P2634 Fuel Pump "B" Control Circuit High  
 P2635 Fuel Pump "A" Low Flow / Performance  
 P2636 Fuel Pump "B" Low Flow / Performance  
 P2637 Torque Management Feedback Signal "A"  
 P2638 Torque Management Feedback Signal "A" Range/Performance  
 P2639 Torque Management Feedback Signal "A" Low  
 P2640 Torque Management Feedback Signal "A" High  
 P2641 Torque Management Feedback Signal "B"  
 P2642 Torque Management Feedback Signal "B" Range/Performance  
 P2643 Torque Management Feedback Signal "B" Low  
 P2644 Torque Management Feedback Signal "B" High  
 P2645 "A" Rocker Arm Actuator Control Circuit/Open  
 P2646 "A" Rocker Arm Actuator System Performance or Stuck Off  
 P2647 "A" Rocker Arm Actuator System Stuck On  
 P2648 "A" Rocker Arm Actuator Control Circuit Low  
 P2649 "A" Rocker Arm Actuator Control Circuit High  
 P2650 "B" Rocker Arm Actuator Control Circuit/Open  
 P2651 "B" Rocker Arm Actuator System Performance or Stuck Off  
 P2652 "B" Rocker Arm Actuator System Stuck On  
 P2653 "B" Rocker Arm Actuator Control Circuit Low  
 P2654 "B" Rocker Arm Actuator Control Circuit High  
 P2655 "A" Rocker Arm Actuator Control Circuit/Open  
 P2656 "A" Rocker Arm Actuator System Performance or Stuck Off  
 P2657 "A" Rocker Arm Actuator System Stuck On  
 P2658 "A" Rocker Arm Actuator Control Circuit Low  
 P2659 "A" Rocker Arm Actuator Control Circuit High  
 P2660 "B" Rocker Arm Actuator Control Circuit/Open  
 P2661 "B" Rocker Arm Actuator System Performance or Stuck Off  
 P2662 "B" Rocker Arm Actuator System Stuck On  
 P2663 "B" Rocker Arm Actuator Control Circuit Low  
 P2664 "B" Rocker Arm Actuator Control Circuit High  
 P2665 Fuel Shutoff Valve "B" Control Circuit/Open  
 P2666 Fuel Shutoff Valve "B" Control Circuit Low  
 P2667 Fuel Shutoff Valve "B" Control Circuit High  
 P2668 Fuel Mode Indicator Lamp Control Circuit  
 P2669 Actuator Supply Voltage "B" Circuit /Open  
 P2670 Actuator Supply Voltage "B" Circuit Low  
 P2671 Actuator Supply Voltage "B" Circuit High  
 P2700 Transmission Friction Element "A" Apply Time Range/Performance  
 P2701 Transmission Friction Element "B" Apply Time Range/Performance

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P2702 Transmission Friction Element "C" Apply Time Range/Performance  
 P2703 Transmission Friction Element "D" Apply Time Range/Performance  
 P2704 Transmission Friction Element "E" Apply Time Range/Performance  
 P2705 Transmission Friction Element "F" Apply Time Range/Performance  
 P2706 Shift Solenoid "F"  
 P2707 Shift Solenoid "F" Performance or Stuck Off  
 P2708 Shift Solenoid "F" Stuck On  
 P2709 Shift Solenoid "F" Electrical  
 P2710 Shift Solenoid "F" Intermittent  
 P2711 Unexpected Mechanical Gear Disengagement  
 P2712 Hydraulic Power Unit Leakage  
 P2713 Pressure Control Solenoid "D"  
 P2714 Pressure Control Solenoid "D" Performance or Stuck Off  
 P2715 Pressure Control Solenoid "D" Stuck On  
 P2716 Pressure Control Solenoid "D" Electrical  
 P2717 Pressure Control Solenoid "D" Intermittent  
 P2718 Pressure Control Solenoid "D" Control Circuit / Open  
 P2719 Pressure Control Solenoid "D" Control Circuit Range/Performance  
 P2720 Pressure Control Solenoid "D" Control Circuit Low  
 P2721 Pressure Control Solenoid "D" Control Circuit High  
 P2722 Pressure Control Solenoid "E"  
 P2723 Pressure Control Solenoid "E" Performance or Stuck Off  
 P2724 Pressure Control Solenoid "E" Stuck On  
 P2725 Pressure Control Solenoid "E" Electrical  
 P2726 Pressure Control Solenoid "E" Intermittent  
 P2727 Pressure Control Solenoid "E" Control Circuit / Open  
 P2728 Pressure Control Solenoid "E" Control Circuit Range/Performance  
 P2729 Pressure Control Solenoid "E" Control Circuit Low  
 P2730 Pressure Control Solenoid "E" Control Circuit High  
 P2731 Pressure Control Solenoid "F"  
 P2732 Pressure Control Solenoid "F" Performance or Stuck Off  
 P2733 Pressure Control Solenoid "F" Stuck On  
 P2734 Pressure Control Solenoid "F" Electrical  
 P2735 Pressure Control Solenoid "F" Intermittent  
 P2736 Pressure Control Solenoid "F" Control Circuit/Open  
 P2737 Pressure Control Solenoid "F" Control Circuit Range/Performance  
 P2738 Pressure Control Solenoid "F" Control Circuit Low  
 P2739 Pressure Control Solenoid "F" Control Circuit High  
 P2740 Transmission Fluid Temperature Sensor "B" Circuit  
 P2741 Transmission Fluid Temperature Sensor "B" Circuit Range Performance  
 P2742 Transmission Fluid Temperature Sensor "B" Circuit Low  
 P2743 Transmission Fluid Temperature Sensor "B" Circuit High  
 P2744 Transmission Fluid Temperature Sensor "B" Circuit Intermittent  
 P2745 Intermediate Shaft Speed Sensor "B" Circuit  
 P2746 Intermediate Shaft Speed Sensor "B" Circuit Range/Performance  
 P2747 Intermediate Shaft Speed Sensor "B" Circuit No Signal  
 P2748 Intermediate Shaft Speed Sensor "B" Circuit Intermittent  
 P2749 Intermediate Shaft Speed Sensor "C" Circuit  
 P2750 Intermediate Shaft Speed Sensor "C" Circuit Range/Performance  
 P2751 Intermediate Shaft Speed Sensor "C" Circuit No Signal  
 P2752 Intermediate Shaft Speed Sensor "C" Circuit Intermittent  
 P2753 Transmission Fluid Cooler Control Circuit/Open  
 P2754 Transmission Fluid Cooler Control Circuit Low  
 P2755 Transmission Fluid Cooler Control Circuit High  
 P2756 Torque Converter Clutch Pressure Control Solenoid  
 P2757 Torque Converter Clutch Pressure Control Solenoid Control Circuit Performance  
 or Stuck Off  
 P2758 Torque Converter Clutch Pressure Control Solenoid Control Circuit Stuck On  
 P2759 Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical  
 P2760 Torque Converter Clutch Pressure Control Solenoid Control Circuit Intermittent  
 P2761 Torque Converter Clutch Pressure Control Solenoid Control Circuit/Open  
 P2762 Torque Converter Clutch Pressure Control Solenoid Control Circuit  
 Range/Performance

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P2763 Torque Converter Clutch Pressure Control Solenoid Control Circuit High  
 P2764 Torque Converter Clutch Pressure Control Solenoid Control Circuit Low  
 P2765 Input/Turbine Speed Sensor "B" Circuit  
 P2766 Input/Turbine Speed Sensor "B" Circuit Range/Performance  
 P2767 Input/Turbine Speed Sensor "B" Circuit No Signal  
 P2768 Input/Turbine Speed Sensor "B" Circuit Intermittent  
 P2769 Torque Converter Clutch Circuit Low  
 P2770 Torque Converter Clutch Circuit High  
 P2771 Four Wheel Drive (4WD) Low Switch Circuit  
 P2772 Four Wheel Drive (4WD) Low Switch Circuit Range/Performance  
 P2773 Four Wheel Drive (4WD) Low Switch Circuit Low  
 P2774 Four Wheel Drive (4WD) Low Switch Circuit High  
 P2775 Upshift Switch Circuit Range/Performance  
 P2776 Upshift Switch Circuit Low  
 P2777 Upshift Switch Circuit High  
 P2778 Upshift Switch Circuit Intermittent/Erratic  
 P2779 Downshift Switch Circuit Range/Performance  
 P2780 Downshift Switch Circuit Low  
 P2781 Downshift Switch Circuit High  
 P2782 Downshift Switch Circuit Intermittent/Erratic  
 P2783 Torque Converter Temperature Too High  
 P2784 Input/Turbine Speed Sensor "A"/"B" Correlation  
 P2785 Clutch Actuator Temperature Too High  
 P2786 Gear Shift Actuator Temperature Too High  
 P2787 Clutch Temperature Too High  
 P2788 Auto Shift Manual Adaptive Learning at Limit  
 P2789 Clutch Adaptive Learning at Limit  
 P2790 Gate Select Direction Circuit  
 P2791 Gate Select Direction Circuit Low  
 P2792 Gate Select Direction Circuit High  
 P2793 Gear Shift Direction Circuit  
 P2794 Gear Shift Direction Circuit Low  
 P2795 Gear Shift Direction Circuit High  
 P2A00 O2 Sensor Circuit Range/Performance  
 P2A01 O2 Sensor Circuit Range/Performance  
 P2A02 O2 Sensor Circuit Range/Performance  
 P2A03 O2 Sensor Circuit Range/Performance  
 P2A04 O2 Sensor Circuit Range/Performance  
 P2A05 O2 Sensor Circuit Range/Performance  
 P3400 Cylinder Deactivation System  
 P3401 Cylinder 1 Deactivation/Intake Valve Control Circuit/Open  
 P3402 Cylinder 1 Deactivation/Intake Valve Control Performance  
 P3403 Cylinder 1 Deactivation/Intake Valve Control Circuit Low  
 P3404 Cylinder 1 Deactivation/Intake Valve Control Circuit High  
 P3405 Cylinder 1 Exhaust Valve Control Circuit/Open  
 P3406 Cylinder 1 Exhaust Valve Control Performance  
 P3407 Cylinder 1 Exhaust Valve Control Circuit Low  
 P3408 Cylinder 1 Exhaust Valve Control Circuit High  
 P3409 Cylinder 2 Deactivation/Intake Valve Control Circuit/Open  
 P3410 Cylinder 2 Deactivation/Intake Valve Control Performance  
 P3411 Cylinder 2 Deactivation/Intake Valve Control Circuit Low  
 P3412 Cylinder 2 Deactivation/Intake Valve Control Circuit High  
 P3413 Cylinder 2 Exhaust Valve Control Circuit/Open  
 P3414 Cylinder 2 Exhaust Valve Control Performance  
 P3415 Cylinder 2 Exhaust Valve Control Circuit Low  
 P3416 Cylinder 2 Exhaust Valve Control Circuit High  
 P3417 Cylinder 3 Deactivation/Intake Valve Control Circuit/Open  
 P3418 Cylinder 3 Deactivation/Intake Valve Control Performance  
 P3419 Cylinder 3 Deactivation/Intake Valve Control Circuit Low  
 P3420 Cylinder 3 Deactivation/Intake Valve Control Circuit High  
 P3421 Cylinder 3 Exhaust Valve Control Circuit/Open  
 P3422 Cylinder 3 Exhaust Valve Control Performance  
 P3423 Cylinder 3 Exhaust Valve Control Circuit Low

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P3424 Cylinder 3 Exhaust Valve Control Circuit High  
 P3425 Cylinder 4 Deactivation/Intake Valve Control Circuit/Open  
 P3426 Cylinder 4 Deactivation/Intake Valve Control Performance  
 P3427 Cylinder 4 Deactivation/Intake Valve Control Circuit Low  
 P3428 Cylinder 4 Deactivation/Intake Valve Control Circuit High  
 P3429 Cylinder 4 Exhaust Valve Control Circuit/Open  
 P3430 Cylinder 4 Exhaust Valve Control Performance  
 P3431 Cylinder 4 Exhaust Valve Control Circuit Low  
 P3432 Cylinder 4 Exhaust Valve Control Circuit High  
 P3433 Cylinder 5 Deactivation/Intake Valve Control Circuit/Open  
 P3434 Cylinder 5 Deactivation/Intake Valve Control Performance  
 P3435 Cylinder 5 Deactivation/Intake Valve Control Circuit Low  
 P3436 Cylinder 5 Deactivation/Intake Valve Control Circuit High  
 P3437 Cylinder 5 Exhaust Valve Control Circuit/Open  
 P3438 Cylinder 5 Exhaust Valve Control Performance  
 P3439 Cylinder 5 Exhaust Valve Control Circuit Low  
 P3440 Cylinder 5 Exhaust Valve Control Circuit High  
 P3441 Cylinder 6 Deactivation/Intake Valve Control Circuit/Open  
 P3442 Cylinder 6 Deactivation/Intake Valve Control Performance  
 P3443 Cylinder 6 Deactivation/Intake Valve Control Circuit Low  
 P3444 Cylinder 6 Deactivation/Intake Valve Control Circuit High  
 P3445 Cylinder 6 Exhaust Valve Control Circuit/Open  
 P3446 Cylinder 6 Exhaust Valve Control Performance  
 P3447 Cylinder 6 Exhaust Valve Control Circuit Low  
 P3448 Cylinder 6 Exhaust Valve Control Circuit High  
 P3449 Cylinder 7 Deactivation/Intake Valve Control Circuit/Open  
 P3450 Cylinder 7 Deactivation/Intake Valve Control Performance  
 P3451 Cylinder 7 Deactivation/Intake Valve Control Circuit Low  
 P3452 Cylinder 7 Deactivation/Intake Valve Control Circuit High  
 P3453 Cylinder 7 Exhaust Valve Control Circuit/Open  
 P3454 Cylinder 7 Exhaust Valve Control Performance  
 P3455 Cylinder 7 Exhaust Valve Control Circuit Low  
 P3456 Cylinder 7 Exhaust Valve Control Circuit High  
 P3457 Cylinder 8 Deactivation/Intake Valve Control Circuit/Open  
 P3458 Cylinder 8 Deactivation/Intake Valve Control Performance  
 P3459 Cylinder 8 Deactivation/Intake Valve Control Circuit Low  
 P3460 Cylinder 8 Deactivation/Intake Valve Control Circuit High  
 P3461 Cylinder 8 Exhaust Valve Control Circuit/Open  
 P3462 Cylinder 8 Exhaust Valve Control Performance  
 P3463 Cylinder 8 Exhaust Valve Control Circuit Low  
 P3464 Cylinder 8 Exhaust Valve Control Circuit High  
 P3465 Cylinder 9 Deactivation/Intake Valve Control Circuit/Open  
 P3466 Cylinder 9 Deactivation/Intake Valve Control Performance  
 P3467 Cylinder 9 Deactivation/Intake Valve Control Circuit Low  
 P3468 Cylinder 9 Deactivation/Intake Valve Control Circuit High  
 P3469 Cylinder 9 Exhaust Valve Control Circuit/Open  
 P3470 Cylinder 9 Exhaust Valve Control Performance  
 P3471 Cylinder 9 Exhaust Valve Control Circuit Low  
 P3472 Cylinder 9 Exhaust Valve Control Circuit High  
 P3473 Cylinder 10 Deactivation/Intake Valve Control Circuit/Open  
 P3474 Cylinder 10 Deactivation/Intake Valve Control Performance  
 P3475 Cylinder 10 Deactivation/Intake Valve Control Circuit Low  
 P3476 Cylinder 10 Deactivation/Intake Valve Control Circuit High  
 P3477 Cylinder 10 Exhaust Valve Control Circuit/Open  
 P3478 Cylinder 10 Exhaust Valve Control Performance  
 P3479 Cylinder 10 Exhaust Valve Control Circuit Low  
 P3480 Cylinder 10 Exhaust Valve Control Circuit High  
 P3481 Cylinder 11 Deactivation/Intake Valve Control Circuit/Open  
 P3482 Cylinder 11 Deactivation/Intake Valve Control Performance  
 P3483 Cylinder 11 Deactivation/Intake Valve Control Circuit Low  
 P3484 Cylinder 11 Deactivation/Intake Valve Control Circuit High  
 P3485 Cylinder 11 Exhaust Valve Control Circuit/Open  
 P3486 Cylinder 11 Exhaust Valve Control Performance

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P3487 Cylinder 11 Exhaust Valve Control Circuit Low  
P3488 Cylinder 11 Exhaust Valve Control Circuit High  
P3489 Cylinder 12 Deactivation/Intake Valve Control Circuit/Open  
P3490 Cylinder 12 Deactivation/Intake Valve Control Performance  
P3491 Cylinder 12 Deactivation/Intake Valve Control Circuit Low  
P3492 Cylinder 12 Deactivation/Intake Valve Control Circuit High  
P3493 Cylinder 12 Exhaust Valve Control Circuit/Open  
P3494 Cylinder 12 Exhaust Valve Control Performance  
P3495 Cylinder 12 Exhaust Valve Control Circuit Low  
P3496 Cylinder 12 Exhaust Valve Control Circuit High  
P3497 Cylinder Deactivation System