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TECHNICAL BULLETIN

Dodge Cummins Diagnostic Trouble Codes

On-Board-Diagnostic (OBD) trouble codes are one way your vehicle communicates with a mechanic. Every diesel vehicle built since 1996 has an OBD II computer system that monitors and identifies issues. In particular, it looks for issues that may result in harmful and polluting emissions from exhaust gases. When this system identifies an issue it turns on the check engine light and records an OBD II code.

OBD II codes are accessed by plugging a code reader into the vehicle's OBD II port. These codes provide a mechanic with information about the system and the conditions under which the issue was first identified. However, they can't provide a clear-cut solution to the actual cause of the problem - only clues for where to look.

The diagnostic codes that are required by law on all OBD II systems are standardized and all vehicle manufacturers use the same common code list. This means the misfire code P0300 represents the same failure on a GM/GMC Duramax, Ford Powerstroke, or Dodge Cummins.

OBD-II Check Engine Light Trouble Codes for the Dodge Cummins below:

P0008 ENGINE POSITION SYSTEM PERFORMANCE BANK 1

P000F FUEL SYSTEM OVER PRESSURE RELIEF VALVE ACTIVATED

P0016 CRANKSHAFT/CAMSHAFT TIMING MISALIGNMENT – BANK 1 SENSOR 1

P0030 O2 SENSOR 1/1 HEATER CIRCUIT OPEN

P0031 O2 SENSOR 1/1 HEATER CIRCUIT LOW

P0032 O2 SENSOR 1/1 HEATER CIRCUIT HIGH

P0036 O2 SENSOR 1/2 HEATER CIRCUIT OPEN

P0037 O2 SENSOR 1/2 HEATER CIRCUIT LOW

P0038 O2 SENSOR 1/2 HEATER CIRCUIT HIGH

P003A TURBOCHARGER BOOST CONTROL MODULE POSITION EXCEEDED LEARNING LIMIT

P0046 TURBOCHARGER BOOST CONTROL CIRCUIT PERFORMANCE

P0049 TURBOCHARGER TURBINE OVERSPEED

P0053 O2 SENSOR 1/1 HEATER RESISTANCE

P0054 O2 SENSOR 1/2 HEATER RESISTANCE

P006E TURBOCHARGER BOOST CONTROL MODULE SUPPLY VOLTAGE CIRCUIT
LOW

P006F TURBOCHARGER BOOST CONTROL SUPPLY VOLTAGE CIRCUIT HIGH

P0071 AMBIENT AIR TEMPERATURE SENSOR PERFORMANCE

P0072 AMBIENT AIR TEMPERATURE SENSOR CIRCUIT LOW

P0073 AMBIENT AIR TEMPERATURE SENSOR CIRCUIT HIGH

P007B CHARGE AIR COOLER TEMPERATURE SENSOR CIRCUIT PERFORMANCE

P007C CHARGE AIR COOLER TEMPERATURE SENSOR CIRCUIT LOW

P007D CHARGE AIR COOLER TEMPERATURE SENSOR CIRCUIT HIGH

P007E CHARGE AIR COOLER TEMPERATURE SENSOR CIRCUIT
INTERMITTENT/ERRATIC

P0087 FUEL RAIL PRESSURE TOO LOW

P0088 FUEL RAIL PRESSURE TOO HIGH

P00AF TURBOCHARGER BOOST CONTROL MODULE PERFORMANCE

P0101 MASS AIR FLOW SENSOR "A" CIRCUIT PERFORMANCE

P0102 MASS AIR FLOW SENSOR "A" CIRCUIT LOW

P0103 MASS AIR FLOW SENSOR "A" CIRCUIT HIGH

P0103 MASS AIR FLOW SENSOR "A" CIRCUIT HIGH

P0106 MANIFOLD ABSOLUTE PRESSURE SENSOR PERFORMANCE

P0107 MANIFOLD ABSOLUTE PRESSURE SENSOR CIRCUIT LOW

P0108 MANIFOLD ABSOLUTE PRESSURE SENSOR CIRCUIT HIGH

P0111 INTAKE AIR TEMPERATURE SENSOR 1 PERFORMANCE
P0112 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT LOW
P0113 INTAKE AIR TEMPERATURE SENSOR 1 CIRCUIT HIGH
P0116 ENGINE COOLANT TEMPERATURE SENSOR PERFORMANCE
P0117 ENGINE COOLANT TEMPERATURE SENSOR CIRCUIT LOW
P0118 ENGINE COOLANT TEMPERATURE SENSOR CIRCUIT HIGH
P0128 THERMOSTAT RATIONALITY
P0131 O2 SENSOR 1/1 CIRCUIT LOW
P0135 O2 SENSOR 1/1 HEATER PERFORMANCE
P0137 O2 SENSOR 1/2 CIRCUIT LOW
P0138 O2 SENSOR 1/2 CIRCUIT HIGH
P013A O2 SENSOR 1/2 SLOW RESPONSE – RICH TO LEAN
P013B O2 SENSOR 1/2 SLOW RESPONSE – LEAN TO RICH
P0141 O2 SENSOR 1/2 HEATER PERFORMANCE
P0148 FUEL DELIVERY ERROR
P014C O2 SENSOR 1/1 SLOW RESPONSE – RICH TO LEAN
P014D O2 SENSOR 1/1 SLOW RESPONSE – LEAN TO RICH
P0169 WATER IN FUEL DETECTED FOR TOO LONG
P0191 FUEL RAIL PRESSURE SENSOR CIRCUIT PERFORMANCE
P0192 FUEL PRESSURE SENSOR LOW
P0193 FUEL PRESSURE SENSOR HIGH
P0201 FUEL INJECTOR 1 CIRCUIT/OPEN
P0202 FUEL INJECTOR 2 CIRCUIT/OPEN

P0203 FUEL INJECTOR 3 CIRCUIT/OPEN

P0204 FUEL INJECTOR 4 CIRCUIT/OPEN

P0205 FUEL INJECTOR 5 CIRCUIT/OPEN

P0206 FUEL INJECTOR 6 CIRCUIT/OPEN

P020A FUEL INJECTOR 1 PERFORMANCE

P020B FUEL INJECTOR 2 PERFORMANCE

P020C FUEL INJECTOR 3 PERFORMANCE

P020D FUEL INJECTOR 4 PERFORMANCE

P020E FUEL INJECTOR 5 PERFORMANCE

P020F FUEL INJECTOR 6 PERFORMANCE

P0216 - Injection Timing Control Circuit Malfunction

P2016 - Intake Manifold Runner Position Sensor/Switch Circuit Low Bank 1

P0217 COOLANT TEMPERATURE TOO HIGH

P0218 HIGH TEMPERATURE OPERATION ACTIVATED

P0219 ENGINE OVERSPEED

P0251 INJECTION PUMP FUEL VALVE FEEDBACK

P0253 INJECTION PUMP FUEL CONTROL CIRCUIT LOW

P0254 INJECTION PUMP FUEL CONTROL CIRCUIT HIGH

P0255 INJECTION PUMP FUEL CONTROL CIRCUIT PERFORMANCE

P026A CHARGE AIR COOLER EFFICIENCY BELOW THRESHOLD

P0299 MANIFOLD PRESSURE SENSOR OUT OF RANGE LOW

P02E1 DIESEL INTAKE AIR FLOW CONTROL PERFORMANCE

P02E2 DIESEL INTAKE AIR FLOW CONTROL CIRCUIT LOW

P02E3 DIESEL INTAKE AIR FLOW CONTROL CIRCUIT HIGH

P02E7 DIESEL INTAKE AIR FLOW POSITION SENSOR PERFORMANCE

P02E8 DIESEL INTAKE AIR FLOW POSITION SENSOR CIRCUIT LOW

P02E9 DIESEL INTAKE AIR FLOW POSITION SENSOR CIRCUIT HIGH

P0300 MULTIPLE CYLINDER MISFIRE

P0301 CYLINDER 1 MISFIRE

P0302 CYLINDER 2 MISFIRE

P0303 CYLINDER 3 MISFIRE

P0304 CYLINDER 4 MISFIRE

P0305 CYLINDER 5 MISFIRE

P0306 CYLINDER 6 MISFIRE

P0335 CRANKSHAFT POSITION SENSOR CIRCUIT

P0336 CRANKSHAFT POSITION SENSOR PERFORMANCE

P0340 CAMSHAFT POSITION SENSOR CIRCUIT – BANK 1 SENSOR 1

P0341 CAMSHAFT POSITION SENSOR PERFORMANCE – BANK 1 SENSOR 1

P0381 WAIT TO START LAMP INOPERATIVE

P0400 EGR SYSTEM FLOW MALFUNCTION

P0401 EGR SYSTEM PERFORMANCE

P0402 EGR FLOW EXCESSIVE DETECTED

P0403 EGR CONTROL CIRCUIT/OPEN

P0404 EGR POSITION SENSOR PERFORMANCE

P0405 EGR POSITION SENSOR CIRCUIT LOW

P040B EXHAUST GAS RECIRCULATION TEMPERATURE SENSOR 1 CIRCUIT PERFORMANCE

P040C EXHAUST GAS RECIRCULATION TEMPERATURE SENSOR 1 CIRCUIT LOW

P040D EXHAUST GAS RECIRCULATION TEMPERATURE SENSOR 1 CIRCUIT HIGH

P0420 CATALYST EFFICIENCY BANK 1

P042E EXHAUST GAS RECIRCULATION CONTROL STUCK OPEN

P0461 FUEL LEVEL SENSOR 1 PERFORMANCE

P0462 FUEL LEVEL SENSOR 1 CIRCUIT LOW

P0463 FUEL LEVEL SENSOR 1 CIRCUIT HIGH

P046C EGR POSITION SENSOR PERFORMANCE

P0471 EXHAUST PRESSURE SENSOR 1 PERFORMANCE

P0472 EXHAUST PRESSURE SENSOR 1 LOW

P0473 EXHAUST PRESSURE SENSOR 1 HIGH

P0480 COOLING FAN 1 CONTROL CIRCUIT/OPEN

P0483 COOLING FAN SPEED

P0487 EGR AIRFLOW THROTTLE CONTROL CIRCUIT A OPEN

P0488 EGR AIRFLOW THROTTLE CONTROL CIRCUIT PERFORMANCE

P0489 EGR CONTROL CIRCUIT LOW

P049D EGR CONTROL POSITION EXCEEDED LEARNING LIMIT

P04DB CRANKCASE VENTILATION SYSTEM DISCONNECTED

P0501 VEHICLE SPEED SENSOR 1 PERFORMANCE

P0505 ENGINE SPEED AT IDLE – DATA ERRATIC, INTERMITTENT OR INCORRECT

P0507 IDLE CONTROL SYSTEM RPM – HIGHER THAN EXPECTED

P0513 INVALID SKIM/WIN KEY

P0514 BATTERY TEMPERATURE SENSOR PERFORMANCE

P0516 BATTERY TEMPERATURE SENSOR CIRCUIT LOW

P0517 BATTERY TEMPERATURE SENSOR CIRCUIT HIGH

P051B CRANKCASE PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE

P051C CRANKCASE PRESSURE SENSOR CIRCUIT LOW

P051D CRANKCASE PRESSURE SENSOR CIRCUIT HIGH

P0521 ENGINE OIL PRESSURE SENSOR PERFORMANCE

P0524 ENGINE OIL PRESSURE SENSOR CIRCUIT LOW

P0532 A/C PRESSURE SENSOR CIRCUIT LOW

P0533 A/C PRESSURE SENSOR CIRCUIT HIGH

P0541 INTAKE AIR HEATER CONTROL CIRCUIT 1 LOW

P0542 INTAKE AIR HEATER CONTROL CIRCUIT 1 HIGH

P0545 EXHAUST GAS TEMPERATURE SENSOR CIRCUIT LOW – BANK 1 SENSOR 1

P0546 EXHAUST GAS TEMPERATURE SENSOR CIRCUIT HIGH – BANK 1 SENSOR 1

P0560 BATTERY SYSTEM VOLTAGE

P0562 BATTERY VOLTAGE LOW

P0563 BATTERY VOLTAGE HIGH

P0571 BRAKE SWITCH 1 PERFORMANCE

P0572 BRAKE SWITCH 1 STUCK ON

P0573 BRAKE SWITCH 1 STUCK OFF

P0580 SPEED CONTROL SWITCH 1 CIRCUIT LOW

P0581 SPEED CONTROL SWITCH 1 CIRCUIT HIGH

P0585 SPEED CONTROL SWITCH 1/2 CORRELATION

P0592 SPEED CONTROL SWITCH 2 CIRCUIT LOW

P0593 SPEED CONTROL SWITCH 2 CIRCUIT HIGH

P0601 INTERNAL MEMORY CHECKSUM ERROR / INVALID

P0602 CONTROL MODULE PROGRAMMING ERROR/NOT PROGRAMMED

P0604 INTERNAL CONTROL MODULE RAM ERROR

P0605 INTERNAL CONTROL MODULE ROM

P0606 INTERNAL CONTROL PROCESSOR

P0607 ECU INTERNAL PERFORMANCE

P0613 INTERNAL TCM

P0615 STARTER CONTROL CIRCUIT/OPEN

P061A ETC LEVEL 2 TORQUE PERFORMANCE

P061C ETC LEVEL 2 RPM PERFORMANCE

P0622 GENERATOR FIELD CONTROL CIRCUIT/OPEN

P0625 GENERATOR FIELD CONTROL CIRCUIT LOW

P0626 GENERATOR FIELD CONTROL CIRCUIT HIGH

P0627 FUEL PUMP CONTROL CIRCUIT

P0628 FUEL PUMP CONTROL CIRCUIT LOW

P0629 FUEL PUMP CONTROL CIRCUIT HIGH

P062C ETC LEVEL 2 MPH PERFORMANCE

P0630 VIN NOT PROGRAMMED IN PCM

P0633 SKIM SECRET KEY NOT STORED IN PCM

P063C GENERATOR VOLTAGE SENSE LOW

P063D GENERATOR VOLTAGE SENSE HIGH

P0642 SENSOR REFERENCE VOLTAGE 1 CIRCUIT LOW

P0643 SENSOR REFERENCE VOLTAGE 1 CIRCUIT HIGH

P0646 A/C CONTROL CIRCUIT LOW

P0647 A/C CONTROL CIRCUIT HIGH

P064C GLOW PLUG MODULE INTERNAL PERFORMANCE

P064D O2 SENSOR MODULE INTERNAL PERFORMANCE

P0652 SENSOR REFERENCE VOLTAGE 2 LOW

P0653 SENSOR REFERENCE VOLTAGE 2 HIGH

P065A GENERATOR SYSTEM PERFORMANCE

P0686 POWER ENABLE CONTROL CIRCUIT LOW

P0691 COOLING FAN 1 CONTROL CIRCUIT LOW

P0692 COOLING FAN 1 CONTROL CIRCUIT HIGH

P0693 COOLING FAN 2 CONTROL CIRCUIT LOW

P0694 COOLING FAN 2 CONTROL CIRCUIT HIGH

P0698 SENSOR REFERENCE VOLTAGE 3 CIRCUIT LOW

P0699 SENSOR REFERENCE VOLTAGE 3 CIRCUIT HIGH

P06A4 SENSOR REFERENCE VOLTAGE 4 CIRCUIT LOW

P06A5 SENSOR REFERENCE VOLTAGE 4 CIRCUIT HIGH

P0700 TRANSMISSION CONTROL SYSTEM (MIL REQUEST)

P0702 TRANSMISSION CONTROL SYSTEM ELECTRICAL

P0706 TRANSMISSION RANGE SENSOR RATIONALITY

P0707 TRANSMISSION RANGE SENSOR CIRCUIT LOW

P0708 TRANSMISSION RANGE SENSOR CIRCUIT HIGH

P0711 TRANSMISSION TEMPERATURE SENSOR 1 PERFORMANCE

P0712 TRANSMISSION TEMPERATURE SENSOR 1 LOW

P0713 TRANSMISSION TEMPERATURE SENSOR 1 HIGH

P0714 TRANSMISSION TEMPERATURE SENSOR INTERMITTENT

P0716 INPUT SPEED SENSOR 1 CIRCUIT PERFORMANCE

P0717 INPUT SPEED SENSOR 1 CIRCUIT NO SIGNAL

P0721 OUTPUT SPEED SENSOR CIRCUIT PERFORMANCE

P0722 OUTPUT SPEED SENSOR CIRCUIT NO SIGNAL

P0729 GEAR RATIO ERROR IN 6TH

P0730 INCORRECT GEAR RATIO

P0731 GEAR RATIO ERROR IN 1ST

P0732 GEAR RATIO ERROR IN 2ND

P0733 GEAR RATIO ERROR IN 3RD

P0734 GEAR RATIO ERROR IN 4TH

P0735 GEAR RATIO ERROR IN 5TH

P0736 GEAR RATIO ERROR IN REVERSE

P0740 TCC OUT OF RANGE

P0745 LINE PRESSURE SOLENOID CIRCUIT

P0746 PRESSURE CONTROL SOLENOID A PERFORMANCE

P0748 PRESSURE CONTROL SOLENOID A CIRCUIT

P0750 LR SOLENOID CIRCUIT

P0751 SHIFT SOLENOID A PERFORMANCE

P0755 2C SOLENOID CIRCUIT

P0756 SHIFT SOLENOID B PERFORMANCE

P0760 OD SOLENOID CIRCUIT

P0761 SHIFT SOLENOID C PERFORMANCE

P0765 UD SOLENOID CIRCUIT

P0766 SHIFT SOLENOID D PERFORMANCE

P0770 4C SOLENOID CIRCUIT

P0776 PRESSURE CONTROL SOLENOID B PERFORMANCE

P0778 PRESSURE CONTROL SOLENOID B CIRCUIT

P0796 PRESSURE CONTROL SOLENOID C PERFORMANCE

P0798 PRESSURE CONTROL SOLENOID C CIRCUIT

P0838 FOUR WHEEL DRIVE (4WD) SWITCH CIRCUIT LOW

P0839 FOUR WHEEL DRIVE (4WD) SWITCH CIRCUIT HIGH

P0841 LR PRESSURE SWITCH RATIONALITY

P0845 2C HYDRAULIC PRESSURE TEST

P0846 2C PRESSURE SWITCH RATIONALITY

P0850 PARK/NEUTRAL SWITCH PERFORMANCE

P0853 OVERDRIVE / TOW SWITCH INPUT CIRCUIT STUCK

P0854 OVERDRIVE INPUT SWITCH CIRCUIT LOW

P0868 LINE PRESSURE LOW

P0869 LINE PRESSURE HIGH

P0870 OD HYDRAULIC PRESSURE TEST

P0871 OD PRESSURE SWITCH RATIONALITY

P0875 UD HYDRAULIC PRESSURE TEST

P0876 UD PRESSURE SWITCH RATIONALITY

P0882 TCM POWER INPUT LOW

P0883 TCM POWER INPUT HIGH

P0884 POWER UP AT SPEED

P0890 SWITCHED BATTERY

P0930 BTSI CONTROL CIRCUIT LOW

P0931 BTSI CONTROL CIRCUIT HIGH

P0933 HYDRAULIC PRESSURE SENSOR RANGE/PERFORMANCE

P0934 LINE PRESSURE SENSOR CIRCUIT LOW

P0935 LINE PRESSURE SENSOR CIRCUIT HIGH

P0944 LOSS OF HYDRAULIC PUMP PRIME

P0952 AUTOSTICK INPUT CIRCUIT LOW

P0953 AUTOSTICK INPUT CIRCUIT HIGH

P0957 AUTOSTICK CIRCUIT LOW (ERS)

P0958 AUTOSTICK CIRCUIT HIGH (ERS)

P0973 SHIFT SOLENOID A CONTROL CIRCUIT LOW

P0974 SHIFT SOLENOID A CONTROL CIRCUIT HIGH

P0976 SHIFT SOLENOID B CONTROL CIRCUIT LOW

P0977 SHIFT SOLENOID B CONTROL CIRCUIT HIGH

P0979 SHIFT SOLENOID C CONTROL CIRCUIT LOW

P0980 SHIFT SOLENOID C CONTROL CIRCUIT HIGH

P0982 SHIFT SOLENOID D CONTROL CIRCUIT LOW

P0983 SHIFT SOLENOID D CONTROL CIRCUIT HIGH

P0987 4C HYDRAULIC PRESSURE TEST

P0988 4C PRESSURE SWITCH RATIONALITY

P1001 IGNITION KEY OFF TIMER PERFORMANCE – TOO FAST

P1002 IGNITION KEY OFF TIMER PERFORMANCE – TOO SLOW

P1011 FUEL PUMP DELIVERY PRESSURE TOO LOW

P1012 FUEL PUMP DELIVERY PRESSURE TOO HIGH

P1103 DC TO AC CONVERTER SWITCH STUCK

P1109 O2 SENSOR 1/2 POSITIVE CURRENT CONTROL CIRCUIT OPEN

P1110 O2 SENSOR 1/2 RETURN CIRCUIT OPEN

P1111 O2 SENSOR 1/2 SIGNAL CIRCUIT OPEN

P1123 POWER TAKE OFF SYSTEM MONITOR CONTROL ERROR

P113C O2 SENSOR POWER SUPPLY CIRCUIT PERFORMANCE

P1191 INLET AIR TEMPERATURE SENSOR RATIONAL/PERFORMANCE

P1192 INLET AIR TEMPERATURE SENSOR LOW

P1193 INLET AIR TEMPERATURE SENSOR HIGH

P125A POWER ENABLE CONTROL CIRCUIT LOW

P125B POWER ENABLE CONTROL CIRCUIT HIGH

P1272 A/C CLUTCH CONTROL CIRCUIT 2 LOW

P1273 A/C CLUTCH CONTROL CIRCUIT 2 HIGH

P1274 A/C CLUTCH CONTROL CIRCUIT 2 OPEN

P1275 A/C CLUTCH CONTROL CIRCUIT 2 OVERCURRENT

P1277 STARTER CONTROL CIRCUIT 2 LOW

P1278 STARTER CONTROL CIRCUIT 2 HIGH

P1279 STARTER CONTROL CIRCUIT 2 OPEN

P127A STARTER CONTROL CIRCUIT 2 OVERCURRENT

P127C FUEL PUMP CONTROL CIRCUIT 2 LOW

P127D FUEL PUMP CONTROL CIRCUIT 2 HIGH

P127E FUEL PUMP CONTROL CIRCUIT 2 OPEN

P127F FUEL PUMP CONTROL CIRCUIT 2 OVERCURRENT

P128B TCM POWER CONTROL CIRCUIT 2 LOW

P128B TCM POWER CONTROL CIRCUIT 2 LOW

P128B TCM POWER CONTROL CIRCUIT 2 LOW

P128B TCM POWER CONTROL CIRCUIT 2 LOW

P128C TCM POWER CONTROL CIRCUIT 2 HIGH

P128C TCM POWER CONTROL CIRCUIT 2 HIGH

P128C TCM POWER CONTROL CIRCUIT 2 HIGH

P128C TCM POWER CONTROL CIRCUIT 2 HIGH

P128D TCM POWER CONTROL CIRCUIT 2 OPEN

P128D TCM POWER CONTROL CIRCUIT 2 OPEN

P128D TCM POWER CONTROL CIRCUIT 2 OPEN

P128D TCM POWER CONTROL CIRCUIT 2 OPEN

P128E TCM POWER CONTROL CIRCUIT 2 OVERCURRENT

P128E TCM POWER CONTROL CIRCUIT 2 OVERCURRENT

P128E TCM POWER CONTROL CIRCUIT 2 OVERCURRENT

P128E TCM POWER CONTROL CIRCUIT 2 OVERCURRENT

P129C INVERTER CONTROL CIRCUIT HIGH

P129E INVERTER CONTROL CIRCUIT OVERCURRENT

P141A EXHAUST GAS TEMPERATURE SENSOR 1 AND 2 SIGNALS SWAPPED

P144E EGR COOLER BYPASS STATUS LINE CIRCUIT LOW

P144F EGR COOLER BYPASS STATUS LINE CIRCUIT HIGH

P1451 DIESEL PARTICULATE FILTER SYSTEM PERFORMANCE

P1484 CATALYST OVERHEAT DETECTION

P1506 CRANKCASE DEPRESSION REGULATOR VALVE PERFORMANCE

P1507 CRANKCASE FILTER RESTRICTION

P1508 CRANKCASE FILTER RESTRICTION – REPLACE FILTER

P1679 CALIBRATION NOT LEARNED

P1684 BATTERY WAS DISCONNECTED

P1715 RESTRICTED MANUAL VALVE IN T3 RANGE

P1720 LOSS OF OUTPUT SPEED / WHEEL SPEED

P1775 SOLENOID SWITCH VALVE LATCHED IN TCC POSITION

P1776 SOLENOID SWITCH VALVE LATCHED IN LR POSITION

P1794 SPEED SENSOR GROUND ERROR

P2000 NOX ABSORBER EFFICIENCY BELOW THRESHOLD – BANK 1

P2002 DIESEL PARTICULATE FILTER EFFICIENCY BELOW THRESHOLD

P200C DIESEL PARTICULATE FILTER OVER TEMPERATURE – BANK 1

P200E CATALYST SYSTEM OVER TEMPERATURE – BANK 1

P2032 EXHAUST GAS TEMPERATURE SENSOR CIRCUIT LOW – BANK 1 SENSOR 2

P2033 EXHAUST GAS TEMPERATURE SENSOR CIRCUIT HIGH – BANK 1 SENSOR 2

P2080 EXHAUST GAS TEMP SENSOR CIRCUIT PERFORMANCE – BANK 1 SENSOR 1

P2084 EXHAUST GAS TEMP SENSOR CIRCUIT PERFORMANCE – BANK 1 SENSOR 2

P2121 ACCELERATOR PEDAL POSITION SENSOR 1 PERFORMANCE

P2122 ACCELERATOR PEDAL POSITION SENSOR 1 CIRCUIT LOW

P2123 ACCELERATOR PEDAL POSITION SENSOR 1 CIRCUIT HIGH

P2127 ACCELERATOR PEDAL POSITION SENSOR 2 CIRCUIT LOW

P2128 ACCELERATOR PEDAL POSITION SENSOR 2 CIRCUIT HIGH

P2141 EGR AIRFLOW THROTTLE CONTROL CIRCUIT LOW

P2142 EGR AIRFLOW THROTTLE CONTROL CIRCUIT HIGH

P2195 O2 SENSOR 1/1 OUT OF RANGE HIGH

P2196 O2 SENSOR 1/1 OUT OF RANGE LOW

P21B2 EXCESSIVE TIME TO ENTER CLOSED LOOP NOX ABSORBER CONTROL

P21B3 CLOSED LOOP NOX ABSORBER CONTROL AT LIMIT – TOO HIGH

P21B4 NOX ABSORBER – OVER TEMPERATURE

P2227 BAROMETRIC PRESSURE SENSOR RATIONALITY

P2228 BAROMETRIC PRESSURE CIRCUIT LOW

P2229 BAROMETRIC PRESSURE CIRCUIT HIGH

P2237 O2 SENSOR 1/1 POSITIVE PUMPING CIRCUIT OPEN

P2243 O2 SENSOR 1/1 SIGNAL CIRCUIT BELOW NORMAL OR OPEN

P2251 O2 SENSOR 1/1 RETURN CIRCUIT OPEN

P2262 TURBOCHARGER BOOST PRESSURE NOT DETECTED – MECHANICAL

P2266 WATER IN FUEL SENSOR CIRCUIT LOW

P2267 WATER IN FUEL SENSOR CIRCUIT HIGH

P2269 WATER IN FUEL CONDITION

P226B TURBOCHARGER BOOST PRESSURE NOT RESPONDING

P226C TURBOCHARGER BOOST CONTROL "A" SLOW RESPONSE

P2270 O2 SENSOR 1/2 OUT OF RANGE HIGH

P2271 O2 SENSOR 1/2 OUT OF RANGE LOW

P2281 AIR LEAK BETWEEN MAF AND THROTTLE BODY

P2299 BRAKE PEDAL POSITION / ACCELERATOR PEDAL POSITION INCOMPATIBLE

P22B5 O2 SENSOR 1/2 PUMP CELL CURRENT TRIM CIRCUIT OPEN

P2413 EXHAUST GAS RECIRCULATION SYSTEM PERFORMANCE

P241A O2 SENSOR 1/1 AND 1/2 OXYGEN CONCENTRATION MISMATCH

P242B EXHAUST GAS TEMP SENSOR CIRCUIT PERFORMANCE – BANK 1 SENSOR 3

P242C EXHAUST GAS TEMPERATURE SENSOR CIRCUIT LOW, BANK 1 SENSOR 3

P242D EXHAUST GAS TEMPERATURE SENSOR CIRCUIT HIGH – BANK 1 SENSOR 3

P242F DIESEL PARTICULATE FILTER RESTRICTION – ASH ACCUMULATION

P244A DIESEL PARTICULATE FILTER DIFFERENTIAL PRESSURE TOO LOW

P244D EXHAUST TEMPERATURE TOO HIGH FOR PARTICULATE FILTER REGENERATION – BANK 1

P2453 DIESEL PARTICULATE FILTER PRESSURE SENSOR A CIRCUIT PERFORMANCE

P2454 DIESEL PARTICULATE FILTER PRESSURE SENSOR A CIRCUIT LOW

P2455 DIESEL PARTICULATE FILTER PRESSURE SENSOR A CIRCUIT HIGH

P2457 EXHAUST GAS RECIRCULATION COOLING SYSTEM PERFORMANCE

P2459 DIESEL PARTICULATE FILTER REGENERATION TOO FREQUENT

P245A EGR COOLER BYPASS CONTROL CIRCUIT OPEN

P245B EGR COOLER BYPASS STATUS LINE INTERMITTENT

P245C EGR COOLER BYPASS CONTROL CIRCUIT LOW

P245D EGR COOLER BYPASS CONTROL CIRCUIT HIGH

P2463 DIESEL PARTICULATE FILTER – SOOT ACCUMULATION

P246F EXHAUST GAS TEMP SENSOR CIRCUIT PERFORMANCE – BANK 1 SENSOR 4

P2470 EXHAUST GAS TEMPERATURE SENSOR CIRCUIT LOW – BANK 1 SENSOR 4

P2471 EXHAUST GAS TEMPERATURE SENSOR CIRCUIT HIGH – BANK 1 SENSOR 4

P249F EXCESSIVE TIME TO ENTER CLOSED LOOP DPF REGENERATION CONTROL

P24A0 CLOSED LOOP DPF REGENERATION CONTROL AT LIMIT – TEMPERATURE TOO LOW

P2503 CHARGING SYSTEM OUTPUT LOW

P2504 CHARGING SYSTEM OUTPUT HIGH

P2509 ECM/PCM POWER INPUT SIGNAL INTERMITTENT

P254C PTO SPEED SELECTOR SENSOR CIRCUIT LOW

P254D PTO SPEED SELECTOR SENSOR CIRCUIT HIGH

P2563 TURBOCHARGER BOOST CONTROL POSITION SENSOR PERFORMANCE

P2579 TURBOCHARGER SPEED SENSOR CIRCUIT PERFORMANCE

P2580 TURBOCHARGER SPEED SENSOR CIRCUIT LOW

P2609 INTAKE AIR HEATER SYSTEM PERFORMANCE

P2626 O2 SENSOR 1/1 PUMP CELL CURRENT TRIM CIRCUIT OPEN

P268C CYLINDER 1 INJECTOR DATA INCOMPATIBLE

P268D CYLINDER 2 INJECTOR DATA INCOMPATIBLE

P268E CYLINDER 3 INJECTOR DATA INCOMPATIBLE

P268F CYLINDER 4 INJECTOR DATA INCOMPATIBLE

P2690 CYLINDER 5 INJECTOR DATA INCOMPATIBLE

P2691 CYLINDER 6 INJECTOR DATA INCOMPATIBLE

P2700 INADEQUATE ELEMENT VOLUME LR

P2701 INADEQUATE ELEMENT VOLUME 2C

P2702 INADEQUATE ELEMENT VOLUME OD

P2703 INADEQUATE ELEMENT VOLUME UD

P2704 INADEQUATE ELEMENT VOLUME 4C

P2706 MS SOLENOID CIRCUIT

P2741 TRANSMISSION FLUID TEMPERATURE SENSOR 2 PERFORMANCE

P2742 TRANSMISSION FLUID TEMPERATURE SENSOR 2 LOW

P2743 TRANSMISSION FLUID TEMPERATURE SENSOR 2 HIGH

P2757 TCC PRESSURE CONTROL SOLENOID CONTROL CIRCUIT PERFORMANCE

P2806 TRANSMISSION RANGE SENSOR ALIGNMENT

P2A00 O2 SENSOR 1/1 CIRCUIT PERFORMANCE

P2A01 O2 SENSOR 1/2 CIRCUIT PERFORMANCE

U0001 CAN C BUS

U0002 CAN C BUS OFF PERFORMANCE

U0100 LOST COMMUNICATION WITH ECM / PCM

U0101 LOST COMMUNICATION WITH TCM

U010C LOST COMMUNICATION WITH TURBOCHARGER/SUPERCHARGER CONTROL MODULE

U011A LOST COMMUNICATION WITH EXHAUST GAS SENSOR MODULE

U0121 LOST COMMUNICATION WITH ANTI-LOCK BRAKE MODULE

U0141 LOST COMMUNICATION WITH FCM (TIPM)

U1111 LOST ODOMETER MESSAGE

U1400 IMPLAUSIBLE TPS SIGNAL RECEIVED

U1401 IMPLAUSIBLE ENGINE SPEED SIGNAL RECEIVED

U1402 IMPLAUSIBLE ENGINE TEMPERATURE SIGNAL RECEIVED

U1403 IMPLAUSIBLE FUEL LEVEL SIGNAL RECEIVED

U1407 IMPLAUSIBLE ENGINE TORQUE REQUEST RECEIVED

U1408 IMPLAUSIBLE BRAKE SIGNAL RECEIVED

U140D IMPLAUSIBLE WHEEL SPEED SIGNALS RECEIVED

U1412 IMPLAUSIBLE VEHICLE SPEED SIGNAL RECEIVED

U1421 IMPLAUSIBLE IGNITION KEY OFF TIME RECEIVED

U1424 IMPLAUSIBLE ENGINE TORQUE RECEIVED

U1437 IMPLAUSIBLE INTAKE AIR TEMPERATURE MESSAGE RECEIVED

U1439 IMPLAUSIBLE/MISSING PROGRAMMED AXLE RATIO

U1440 IMPLAUSIBLE/MISSING PROGRAMMED TRANSFER CASE HI RATIO

U1441 IMPLAUSIBLE/MISSING PROGRAMMED TRANSFER CASE LOW RATIO

U1448 IMPLAUSIBLE IGNITION OFF TIME RECEIVED – SIGNAL STUCK

U1449 IMPLAUSIBLE ERS MESSAGE RECEIVED

U1601 ECU APPLICATION SOFTWARE CODE 1 MISSING OR CORRUPTED