

| DTC | DESCRIPTION | POSSIBLE CAUSES | ACTION |
|----------|---|---|---|
| P1632-00 | Smart Alternator Faults Sensor / Circuit - No sub type information | <ul style="list-style-type: none"> Electrical fault has been detected by the generator and reported to the Engine Control Module (ECM) by LIN bus Generator failure | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check the generator circuit, for short to power, short to ground, open circuit. Repair wiring harness as required, clear DTC and retest system Check and install a new generator as required. Refer to the Warranty Policy and Procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component |
| P1703-00 | Brake Switch Out Of Self Test Range - No sub type information | <ul style="list-style-type: none"> Brake switch circuit, short to ground, power, high resistance, open circuit Brake switch incorrect adjustment Brake switch internal fault | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check the brake switch for short to ground, power, high resistance, open circuit. Repair wiring harness as required, clear DTC and retest system Check and adjust brake switch as required Check and install a new brake switch as required. Refer to the Warranty Policy and Procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component |
| P1712-00 | Transmission Torque Reduction Request Signal - No sub type information | <ul style="list-style-type: none"> Plausibility fault during increasing torque intervention by gearbox | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check connections are secure and wiring integrity |
| P1719-68 | Engine Torque Signal - Event information | <ul style="list-style-type: none"> Working limitation information | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check connections are secure and wiring integrity |
| P2002-68 | Diesel Particulate Filter Efficiency Below Threshold (Bank 1) - Event information | <ul style="list-style-type: none"> Diesel particulate filter regeneration disabled by other DTCs logged | <ul style="list-style-type: none"> Using the manufacturer approved diagnostic system, check for related DTCs and refer to the relevant DTC index. Carry out a diesel particulate filter regeneration |
| P2080-16 | Exhaust Gas Temperature Sensor Circuit Range /Performance Bank 1 Sensor 1 - Circuit voltage below threshold | <ul style="list-style-type: none"> Harness fault - catalytic converter upstream temperature sensor Catalytic converter upstream temperature sensor internal fault | <ul style="list-style-type: none"> This DTC is set when there is a plausibility error on the signal from the catalytic converter upstream temperature sensor. Refer to the workshop manual and check the catalytic converter upstream temperature sensor and wiring harness for obvious signs of mechanical damage due to chaffing or heat. The catalytic converter upstream temperature sensor is a thermistor with a signal and ground connection. Refer to the electrical circuit diagrams and check the signal circuit for open circuit, short circuit to power, short circuit to ground, high resistance. Check the ground circuit for open circuit, high resistance, short circuit to power. Repair the wiring harness as required If there are no wiring faults, check and install a new sensor as required. Refer to the new module/component installation note at top of DTC Index |

| DTC | DESCRIPTION | POSSIBLE CAUSES | ACTION |
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| P2082-16 | Exhaust Gas Temperature Sensor Circuit Range /Performance Bank 2 Sensor 1 - Circuit voltage below threshold | <ul style="list-style-type: none"> Fixed turbocharger outlet temperature sensor STOT circuit, short to ground Fixed turbocharger outlet temperature sensor failure | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check the fixed turbocharger outlet temperature sensor STOT circuit, for short to ground Check and install a new fixed turbocharger outlet temperature sensor as required. Refer to the new module/component installation note at top of DTC Index |
| P2084-00 | Exhaust Gas Temperature Sensor Circuit Range /Performance Bank 1 Sensor 2 - No sub type information | <ul style="list-style-type: none"> Post-catalyst temperature sensor circuit short to power, short to ground, open circuit Post-catalyst temperature sensor failure | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check the post-catalyst temperature sensor circuit for short to power, short to ground, open circuit Check and install a new post-catalyst temperature sensor as required. Refer to the Warranty Policy and Procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component |
| P2084-16 | Exhaust Gas Temperature Sensor Circuit Range /Performance Bank 1 Sensor 2 - Circuit voltage below threshold | <ul style="list-style-type: none"> Catalytic converter downstream temperature sensor CCCOT_A circuit, short to ground Catalytic converter downstream temperature sensor failure | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check catalytic converter downstream temperature sensor CCCOT_A circuit for short to ground Check and install a new catalytic converter downstream temperature sensor as required. Refer to the new module /component installation note at the top of the DTC Index |
| P2121-1F | Throttle/Pedal Position Sensor /Switch D Circuit Range /Performance - Circuit intermittent | <ul style="list-style-type: none"> Noise detection in APP1 Harness fault - accelerator pedal position sensor (APP_1) circuit Accelerator pedal position sensor internal fault | <ul style="list-style-type: none"> Using the manufacturer approved diagnostic system check datalogger signals, Accelerator Pedal Position D (0xF449), Pedal Position Sensor Voltage - Sensor 2 (0x0195). The Accelerator Pedal Position sensor consists of two potentiometer circuits feeding independent pedal demand signals to the Engine Control Module This DTC is set when the Engine Control Module (ECM) detects noise on the pedal demand (APP_1) circuit. Refer to the electrical circuit diagrams and check the reference voltage and ground connections to the Accelerator Pedal Position Sensor. Check signal circuits for high resistance, open circuits, short to power, short to ground. Check all Accelerator Pedal Position Sensor circuits for intermittent faults. Repair wiring as required, clear DTC and retest system If there are no wiring faults suspect the Accelerator Pedal Position Sensor, Refer to the Warranty Policy and Procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component |
| P2122-00 | Throttle/Pedal Position Sensor /Switch D Circuit Low - No sub type information | <ul style="list-style-type: none"> Accelerator pedal position sensor circuit (APP_1) short to ground Accelerator pedal position sensor circuit (APP_1) open circuit | <ul style="list-style-type: none"> Refer to the electrical circuit diagrams and check the accelerator pedal position sensor circuit (APP_1) for short to ground Refer to the electrical circuit diagrams and check the accelerator pedal position sensor circuit (APP_1) for open circuit |