

LIST OF DIAGNOSTIC TROUBLE CODE (DTC)

ENGINE (DIAGNOSTICS)

17. List of Diagnostic Trouble Code (DTC)

A: LIST

| DTC | Item | Index |
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| P0011 | A Camshaft Position-Timing Over-Advanced or System Performance (Bank 1) | <Ref. to EN(STi)-73, DTC P0011 — “A” CAMSHAFT POSITION-TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0021 | A Camshaft Position-Timing Over-Advanced or System Performance (Bank 2) | <Ref. to EN(STi)-74, DTC P0021 — “A” CAMSHAFT POSITION-TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0030 | HO2S Heater Control Circuit (Bank 1 Sensor 1) | <Ref. to EN(STi)-75, DTC P0030 — HO2S HEATER CONTROL CIRCUIT (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0031 | HO2S Heater Control Circuit Low (Bank 1 Sensor 1) | <Ref. to EN(STi)-77, DTC P0031 — HO2S HEATER CONTROL CIRCUIT LOW (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0032 | HO2S Heater Control Circuit High (Bank 1 Sensor 1) | <Ref. to EN(STi)-80, DTC P0032 — HO2S HEATER CONTROL CIRCUIT HIGH (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0037 | HO2S Heater Control Circuit Low (Bank 1 Sensor 2) | <Ref. to EN(STi)-82, DTC P0037 — HO2S HEATER CONTROL CIRCUIT LOW (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0038 | HO2S Heater Control Circuit High (Bank 1 Sensor 2) | <Ref. to EN(STi)-85, DTC P0038 — HO2S HEATER CONTROL CIRCUIT HIGH (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0068 | Manifold Absolute Pressure/Barometric Pressure Circuit Range/Performance | <Ref. to EN(STi)-87, DTC P0068 — MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0101 | Mass or Volume Air Flow Circuit Range/Performance | <Ref. to EN(STi)-89, DTC P0101 — MASS OR VOLUME AIR FLOW CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0102 | Mass or Volume Air Flow Circuit Low Input | <Ref. to EN(STi)-91, DTC P0102 — MASS OR VOLUME AIR FLOW CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0103 | Mass or Volume Air Flow Circuit High Input | <Ref. to EN(STi)-94, DTC P0103 — MASS OR VOLUME AIR FLOW CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0107 | Manifold Absolute Pressure/Barometric Pressure Circuit Low Input | <Ref. to EN(STi)-96, DTC P0107 — MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0108 | Manifold Absolute Pressure/Barometric Pressure Circuit High Input | <Ref. to EN(STi)-98, DTC P0108 — MANIFOLD ABSOLUTE PRESSURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0111 | Intake Air Temperature Circuit Range/Performance | <Ref. to EN(STi)-100, DTC P0111 — INTAKE AIR TEMPERATURE CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0112 | Intake Air Temperature Circuit Low Input | <Ref. to EN(STi)-102, DTC P0112 — INTAKE AIR TEMPERATURE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0113 | Intake Air Temperature Circuit High Input | <Ref. to EN(STi)-104, DTC P0113 — INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0117 | Engine Coolant Temperature Circuit Low Input | <Ref. to EN(STi)-107, DTC P0117 — ENGINE COOLANT TEMPERATURE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0118 | Engine Coolant Temperature Circuit High Input | <Ref. to EN(STi)-109, DTC P0118 — ENGINE COOLANT TEMPERATURE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

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| P0122 | Throttle/Pedal Position Sensor/Switch "A" Circuit Low Input | <Ref. to EN(STi)-112, DTC P0122 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "A" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0123 | Throttle/Pedal Position Sensor/Switch "A" Circuit High Input | <Ref. to EN(STi)-115, DTC P0123 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "A" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0125 | Insufficient Coolant Temperature for Closed Loop Fuel Control | <Ref. to EN(STi)-119, DTC P0125 — INSUFFICIENT COOLANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0128 | Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature) | <Ref. to EN(STi)-121, DTC P0128 — COOLANT THERMOSTAT (COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0129 | Atmospheric Pressure Sensor Circuit Range/Performance | <Ref. to EN(STi)-122, DTC P0129 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0131 | O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 1) | <Ref. to EN(STi)-123, DTC P0131 — O ₂ SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0132 | O ₂ Sensor Circuit High Voltage (Bank 1 Sensor 1) | <Ref. to EN(STi)-125, DTC P0132 — O ₂ SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0133 | O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 1) | <Ref. to EN(STi)-127, DTC P0133 — O ₂ SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0134 | O ₂ Sensor Circuit No Activity Detected (Bank 1 Sensor 1) | <Ref. to EN(STi)-129, DTC P0134 — O ₂ SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0137 | O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 2) | <Ref. to EN(STi)-131, DTC P0137 — O ₂ SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0138 | O ₂ Sensor Circuit High Voltage (Bank 1 Sensor 2) | <Ref. to EN(STi)-134, DTC P0138 — O ₂ SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0139 | O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 2) | <Ref. to EN(STi)-137, DTC P0139 — O ₂ SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0171 | System too Lean (Bank 1) | <Ref. to EN(STi)-138, DTC P0171 — SYSTEM TOO LEAN (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0172 | System too Rich (Bank 1) | <Ref. to EN(STi)-139, DTC P0172 — SYSTEM TOO RICH (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0181 | Fuel Temperature Sensor "A" Circuit Range/Performance | <Ref. to EN(STi)-142, DTC P0181 — FUEL TEMPERATURE SENSOR "A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0182 | Fuel Temperature Sensor "A" Circuit Low Input | <Ref. to EN(STi)-144, DTC P0182 — FUEL TEMPERATURE SENSOR "A" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0183 | Fuel Temperature Sensor "A" Circuit High Input | <Ref. to EN(STi)-146, DTC P0183 — FUEL TEMPERATURE SENSOR "A" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0222 | Throttle/Pedal Position Sensor/Switch "B" Circuit Low Input | <Ref. to EN(STi)-149, DTC P0222 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "b" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0223 | Throttle/Pedal Position Sensor/Switch "B" Circuit High Input | <Ref. to EN(STi)-152, DTC P0223 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "b" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0230 | Fuel Pump Primary Circuit | <Ref. to EN(STi)-156, DTC P0230 — FUEL PUMP PRIMARY CIRCUIT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

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| P0244 | Turbo/Super Charger Wastegate Solenoid "A" Range/Performance | <Ref. to EN(STi)-159, DTC P0244 — TURBO/SUPER CHARGER WASTEGATE SOLENOID "A" RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0245 | Turbo/Super Charger Wastegate Solenoid "A" Low | <Ref. to EN(STi)-161, DTC P0245 — TURBO/SUPER CHARGER WASTEGATE SOLENOID "A" LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0246 | Turbo/Super Charger Wastegate Solenoid "A" High | <Ref. to EN(STi)-163, DTC P0246 — TURBO/SUPER CHARGER WASTEGATE SOLENOID "A" HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0301 | Cylinder 1 misfire detected | <Ref. to EN(STi)-164, DTC P0301 — CYLINDER 1 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0302 | Cylinder 2 misfire detected | <Ref. to EN(STi)-164, DTC P0302 — CYLINDER 2 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0303 | Cylinder 3 misfire detected | <Ref. to EN(STi)-164, DTC P0303 — CYLINDER 3 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0304 | Cylinder 4 misfire detected | <Ref. to EN(STi)-165, DTC P0304 — CYLINDER 4 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0327 | Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor) | <Ref. to EN(STi)-170, DTC P0327 — KNOCK SENSOR 1 CIRCUIT LOW INPUT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0328 | Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor) | <Ref. to EN(STi)-172, DTC P0328 — KNOCK SENSOR 1 CIRCUIT HIGH INPUT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0335 | Crankshaft Position Sensor "A" Circuit | <Ref. to EN(STi)-174, DTC P0335 — CRANKSHAFT POSITION SENSOR "A" CIRCUIT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0336 | Crankshaft Position Sensor "A" Circuit Range/Performance | <Ref. to EN(STi)-176, DTC P0336 — CRANKSHAFT POSITION SENSOR "A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0340 | Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor) | <Ref. to EN(STi)-178, DTC P0340 — CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0345 | Camshaft Position Sensor "A" Circuit (Bank 2) | <Ref. to EN(STi)-180, DTC P0345 — CAMSHAFT POSITION SENSOR "A" CIRCUIT (BANK 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0420 | Catalyst System Efficiency Below Threshold (Bank 1) | <Ref. to EN(STi)-182, DTC P0420 — CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0442 | Evaporative Emission Control System Leak Detected (small leak) | <Ref. to EN(STi)-184, DTC P0442 — EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (SMALL LEAK) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0447 | Evaporative Emission Control System Vent Control Circuit Open | <Ref. to EN(STi)-188, DTC P0447 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL CIRCUIT OPEN —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0448 | Evaporative Emission Control System Vent Control Circuit Shorted | <Ref. to EN(STi)-191, DTC P0448 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL CIRCUIT SHORTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0451 | Evaporative Emission Control System Pressure Sensor Range/Performance | <Ref. to EN(STi)-193, DTC P0451 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0452 | Evaporative Emission Control System Pressure Sensor Low Input | <Ref. to EN(STi)-195, DTC P0452 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0453 | Evaporative Emission Control System Pressure Sensor High Input | <Ref. to EN(STi)-198, DTC P0453 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

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| P0456 | Evaporative Emission Control System Leak Detected (very small leak) | <Ref. to EN(STi)-201, DTC P0456 — EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0457 | Evaporative Emission Control System Leak Detected (fuel cap loose/off) | <Ref. to EN(STi)-205, DTC P0457 — EVAPORATIVE EMISSION CONTROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0458 | Evaporative Emission Control System Purge Control Valve Circuit Low | <Ref. to EN(STi)-209, DTC P0458 — EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0459 | Evaporative Emission Control System Purge Control Valve Circuit High | <Ref. to EN(STi)-211, DTC P0459 — EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0461 | Fuel Level Sensor Circuit Range/Performance | <Ref. to EN(STi)-213, DTC P0461 — FUEL LEVEL SENSOR CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0462 | Fuel Level Sensor Circuit Low Input | <Ref. to EN(STi)-216, DTC P0462 — FUEL LEVEL SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0463 | Fuel Level Sensor Circuit High Input | <Ref. to EN(STi)-220, DTC P0463 — FUEL LEVEL SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0464 | Fuel Level Sensor Circuit Intermittent | <Ref. to EN(STi)-224, DTC P0464 — FUEL LEVEL SENSOR CIRCUIT INTERMITTENT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0483 | Cooling Fan Rationality Check | <Ref. to EN(STi)-227, DTC P0483 — COOLING FAN RATIONALITY CHECK —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0502 | Vehicle Speed Sensor Circuit Low Input | <Ref. to EN(STi)-230, DTC P0502 — VEHICLE SPEED SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0503 | Vehicle Speed Sensor Intermittent/Erratic/High | <Ref. to EN(STi)-232, DTC P0503 — VEHICLE SPEED SENSOR INTERMITTENT/ERRATIC/HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0506 | Idle Control System RPM Lower Than Expected | <Ref. to EN(STi)-234, DTC P0506 — IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0507 | Idle Control System RPM Higher Than Expected | <Ref. to EN(STi)-237, DTC P0507 — IDLE CONTROL SYSTEM RPM HIGHER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0512 | Starter Request Circuit | <Ref. to EN(STi)-240, DTC P0512 — STARTER REQUEST CIRCUIT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0519 | Idle Control System Malfunction (Fail-Safe) | <Ref. to EN(STi)-243, DTC P0519 — IDLE CONTROL SYSTEM MALFUNCTION (FAIL-SAFE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0604 | Internal Control Module Random Access Memory (RAM) Error | <Ref. to EN(STi)-246, DTC P0604 — INTERNAL CONTROL MODULE RANDOM ACCESS MEMORY (RAM) ERROR —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0605 | Internal Control Module Read Only Memory (ROM) Error | <Ref. to EN(STi)-248, DTC P0605 — INTERNAL CONTROL MODULE READ ONLY MEMORY (ROM) ERROR —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0607 | Control Module Performance | <Ref. to EN(STi)-249, DTC P0607 — CONTROL MODULE PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0638 | Throttle Actuator Control Range/Performance (Bank 1) | <Ref. to EN(STi)-251, DTC P0638 — THROTTLE ACTUATOR CONTROL RANGE/PERFORMANCE (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0691 | Cooling Fan 1 Control Circuit Low | <Ref. to EN(STi)-252, DTC P0691 — COOLING FAN 1 CONTROL CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

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| P0692 | Cooling Fan 1 Control Circuit High | <Ref. to EN(STi)-255, DTC P0692 — COOLING FAN 1 CONTROL CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0851 | Neutral Switch Input Circuit Low | <Ref. to EN(STi)-258, DTC P0851 — NEUTRAL SWITCH INPUT CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0852 | Neutral Switch Input Circuit High | <Ref. to EN(STi)-260, DTC P0852 — NEUTRAL SWITCH INPUT CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1086 | Tumble Generated Valve Position Sensor 2 Circuit Low | <Ref. to EN(STi)-262, DTC P1086 — TUMBLE GENERATED VALVE POSITION SENSOR 2 CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1087 | Tumble Generated Valve Position Sensor 2 Circuit High | <Ref. to EN(STi)-265, DTC P1087 — TUMBLE GENERATED VALVE POSITION SENSOR 2 CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1088 | Tumble Generated Valve Position Sensor 1 Circuit Low | <Ref. to EN(STi)-267, DTC P1088 — TUMBLE GENERATED VALVE POSITION SENSOR 1 CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1089 | Tumble Generated Valve Position Sensor 1 Circuit High | <Ref. to EN(STi)-270, DTC P1089 — TUMBLE GENERATED VALVE POSITION SENSOR 1 CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1090 | Tumble Generated Valve System 1 (Valve Open) | <Ref. to EN(STi)-272, DTC P1090 — TUMBLE GENERATED VALVE SYSTEM 1 (VALVE OPEN) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1091 | Tumble Generated Valve System 1 (Valve Close) | <Ref. to EN(STi)-272, DTC P1091 — TUMBLE GENERATED VALVE SYSTEM 1 (VALVE CLOSE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1092 | Tumble Generated Valve System 2 (Valve Open) | <Ref. to EN(STi)-273, DTC P1092 — TUMBLE GENERATED VALVE SYSTEM 2 (VALVE OPEN) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1093 | Tumble Generated Valve System 2 (Valve Close) | <Ref. to EN(STi)-273, DTC P1093 — TUMBLE GENERATED VALVE SYSTEM 2 (VALVE CLOSE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1094 | Tumble Generated Valve Signal 1 Circuit Malfunction (Open) | <Ref. to EN(STi)-274, DTC P1094 — TUMBLE GENERATED VALVE SIGNAL 1 CIRCUIT MALFUNCTION (OPEN) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1095 | Tumble Generated Valve Signal 1 Circuit Malfunction (Short) | <Ref. to EN(STi)-276, DTC P1095 — TUMBLE GENERATED VALVE SIGNAL 1 CIRCUIT MALFUNCTION (SHORT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1096 | Tumble Generated Valve Signal 2 Circuit Malfunction (Open) | <Ref. to EN(STi)-278, DTC P1096 — TUMBLE GENERATED VALVE SIGNAL 2 CIRCUIT MALFUNCTION (OPEN) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1097 | Tumble Generated Valve Signal 2 Circuit Malfunction (Short) | <Ref. to EN(STi)-280, DTC P1097 — TUMBLE GENERATED VALVE SIGNAL 2 CIRCUIT MALFUNCTION (SHORT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1110 | Atmospheric Pressure Sensor Circuit Malfunction (Low Input) | <Ref. to EN(STi)-282, DTC P1110 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1111 | Atmospheric Pressure Sensor Circuit Malfunction (High Input) | <Ref. to EN(STi)-282, DTC P1111 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1152 | O ₂ Sensor Circuit Range/Performance (Low) (Bank1 Sensor1) | <Ref. to EN(STi)-283, DTC P1152 — O ₂ SENSOR CIRCUIT RANGE/PERFORMANCE (LOW) (BANK1 SENSOR1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1153 | O ₂ Sensor Circuit Range/Performance (High) (Bank1 Sensor1) | <Ref. to EN(STi)-285, DTC P1153 — O ₂ SENSOR CIRCUIT RANGE/PERFORMANCE (HIGH) (BANK1 SENSOR1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1160 | Return Spring Failure | <Ref. to EN(STi)-286, DTC P1160 — RETURN SPRING FAILURE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

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| P1400 | Fuel Tank Pressure Control Solenoid Valve Circuit Low | <Ref. to EN(STi)-287, DTC P1400 — FUEL TANK PRESSURE CONTROL SOLENOID VALVE CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1420 | Fuel Tank Pressure Control Sol. Valve Circuit High | <Ref. to EN(STi)-290, DTC P1420 — FUEL TANK PRESSURE CONTROL SOL. VALVE CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1443 | Vent Control Solenoid Valve Function Problem | <Ref. to EN(STi)-292, DTC P1443 — VENT CONTROL SOLENOID VALVE FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1446 | Fuel Tank Sensor Control Valve Circuit Low | <Ref. to EN(STi)-294, DTC P1446 — FUEL TANK SENSOR CONTROL VALVE CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1447 | Fuel Tank Sensor Control Valve Circuit High | <Ref. to EN(STi)-297, DTC P1447 — FUEL TANK SENSOR CONTROL VALVE CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1448 | Fuel Tank Sensor Control Valve Range/Performance | <Ref. to EN(STi)-299, DTC P1448 — FUEL TANK SENSOR CONTROL VALVE RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1491 | Positive Crankcase Ventilation (Blow-by) Function Problem | <Ref. to EN(STi)-301, DTC P1491 — POSITIVE CRANKCASE VENTILATION (BLOW-BY) FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1518 | Starter Switch Circuit Low Input | <Ref. to EN(STi)-303, DTC P1518 — STARTER SWITCH CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1560 | Back-Up Voltage Circuit Malfunction | <Ref. to EN(STi)-306, DTC P1560 — BACK-UP VOLTAGE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2088 | OCV Solenoid Valve Signal A Circuit Open (Bank 1) | <Ref. to EN(STi)-309, DTC P2088 — OCV SOLENOID VALVE SIGNAL A CIRCUIT OPEN (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2089 | OCV Solenoid Valve Signal A Circuit Short (Bank 1) | <Ref. to EN(STi)-311, DTC P2089 — OCV SOLENOID VALVE SIGNAL A CIRCUIT SHORT (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2092 | OCV Solenoid Valve Signal A Circuit Open (Bank 2) | <Ref. to EN(STi)-313, DTC P2092 — OCV SOLENOID VALVE SIGNAL A CIRCUIT OPEN (BANK 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2093 | OCV Solenoid Valve Signal A Circuit Short (Bank 2) | <Ref. to EN(STi)-315, DTC P2093 — OCV SOLENOID VALVE SIGNAL A CIRCUIT SHORT (BANK 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2096 | Post Catalyst Fuel Trim System Too Lean Bank 1 | <Ref. to EN(STi)-317, DTC P2096 — POST CATALYST FUEL TRIM SYSTEM TOO LEAN BANK 1 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2097 | Post Catalyst Fuel Trim System Too Rich Bank 1 | <Ref. to EN(STi)-321, DTC P2097 — POST CATALYST FUEL TRIM SYSTEM TOO RICH BANK 1 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2101 | Throttle Actuator Control Motor Circuit Range/Performance | <Ref. to EN(STi)-325, DTC P2101 — THROTTLE ACTUATOR CONTROL MOTOR CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2102 | Throttle Actuator Control Motor Circuit Low | <Ref. to EN(STi)-332, DTC P2102 — THROTTLE ACTUATOR CONTROL Motor Circuit Low —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2103 | Throttle Actuator Control Motor Circuit High | <Ref. to EN(STi)-335, DTC P2103 — THROTTLE ACTUATOR CONTROL Motor Circuit High —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2109 | Throttle/Pedal Position Sensor A Minimum Stop Performance | <Ref. to EN(STi)-336, DTC P2109 — THROTTLE/PEDAL POSITION SENSOR A MINIMUM STOP PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

LIST OF DIAGNOSTIC TROUBLE CODE (DTC)

ENGINE (DIAGNOSTICS)

| DTC | Item | Index |
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| P2122 | Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input | <Ref. to EN(STi)-337, DTC P2122 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "d" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2123 | Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input | <Ref. to EN(STi)-340, DTC P2123 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "D" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2127 | Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input | <Ref. to EN(STi)-343, DTC P2127 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "E" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2128 | Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input | <Ref. to EN(STi)-346, DTC P2128 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "E" CIRCUIT HIGHT INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2135 | Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Rationality | <Ref. to EN(STi)-349, DTC P2135 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "A"/"B" VOLTAGE RATIONALITY —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P2138 | Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Rationality | <Ref. to EN(STi)-354, DTC P2138 — THROTTLE/PEDAL POSITION SENSOR/SWITCH "D"/"E" VOLTAGE RATIONALITY —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |