

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

## 19. List of Diagnostic Trouble Code (DTC) for 2500 cc Models S008637

### A: LIST

S008637A12

DTC No.	Item	Index
P0106	Pressure sensor circuit range/performance problem	<Ref. to EN-308 DTC P0106 — PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0107	Pressure sensor circuit low input	<Ref. to EN-310 DTC P0107 — PRESSURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0108	Pressure sensor circuit high input	<Ref. to EN-314 DTC P0108 — PRESSURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0111	Intake air temperature sensor circuit range/performance problem	<Ref. to EN-318 DTC P0111 — INTAKE AIR TEMPERATURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0112	Intake air temperature sensor circuit low input	<Ref. to EN-320 DTC P0112 — INTAKE AIR TEMPERATURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0113	Intake air temperature sensor circuit high input	<Ref. to EN-322 DTC P0113 — INTAKE AIR TEMPERATURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0116	Engine coolant temperature sensor circuit low input	<Ref. to EN-326 DTC P0116 — ENGINE COOLANT TEMPERATURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0117	Engine coolant temperature sensor circuit high input	<Ref. to EN-328 DTC P0117 — ENGINE COOLANT TEMPERATURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0121	Throttle position sensor circuit range/performance problem (high input)	<Ref. to EN-332 DTC P0121 — THROTTLE POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0122	Throttle position sensor circuit low input	<Ref. to EN-334 DTC P0122 — THROTTLE POSITION SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0123	Throttle position sensor circuit high input	<Ref. to EN-338 DTC P0123 — THROTTLE POSITION SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0125	Insufficient coolant temperature for closed loop fuel control	<Ref. to EN-340 DTC P0125 — INSUFFICIENT COOLANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0130	Front oxygen (A/F) sensor circuit range/performance problem	<Ref. to EN-342 DTC P0130 — FRONT OXYGEN (A/F) SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0133	Front oxygen (A/F) sensor circuit slow response	<Ref. to EN-346 DTC P0133 — FRONT OXYGEN (A/F) SENSOR CIRCUIT SLOW RESPONSE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0136	Rear oxygen sensor circuit malfunction	<Ref. to EN-348 DTC P0136 — REAR OXYGEN SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

DTC No.	Item	Index
P0139	Rear oxygen sensor circuit slow response	<Ref. to EN-350 DTC P0139 — REAR OXYGEN SENSOR CIRCUIT SLOW RESPONSE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0141	Rear oxygen sensor heater circuit malfunction	<Ref. to EN-352 DTC P0141 — REAR OXYGEN SENSOR HEATER CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0170	Fuel trim malfunction	<Ref. to EN-355 DTC P0170 — FUEL TRIM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0181	Fuel temperature sensor A circuit range/performance problem	<Ref. to EN-358 DTC P0181 — FUEL TEMPERATURE SENSOR A CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0182	Fuel temperature sensor A circuit low input	<Ref. to EN-360 DTC P0182 — FUEL TEMPERATURE SENSOR A CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0183	Fuel temperature sensor A circuit high input	<Ref. to EN-362 DTC P0183 — FUEL TEMPERATURE SENSOR A CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0301	Cylinder 1 misfire detected	<Ref. to EN-364 DTC P0301 — CYLINDER 1 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0302	Cylinder 2 misfire detected	<Ref. to EN-364 DTC P0302 — CYLINDER 2 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0303	Cylinder 3 misfire detected	<Ref. to EN-364 DTC P0303 — CYLINDER 3 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0304	Cylinder 4 misfire detected	<Ref. to EN-366 DTC P0304 — CYLINDER 4 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0325	Knock sensor circuit high input	<Ref. to EN-374 DTC P0325 — KNOCK SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0335	Crankshaft position sensor circuit malfunction	<Ref. to EN-376 DTC P0335 — CRANKSHAFT POSITION SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0336	Crankshaft position sensor circuit range/performance problem	<Ref. to EN-378 DTC P0336 — CRANKSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0340	Camshaft position sensor circuit malfunction	<Ref. to EN-380 DTC P0340 — CAMSHAFT POSITION SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0341	Camshaft position sensor circuit range/performance problem	<Ref. to EN-382 DTC P0341 — CAMSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0420	Catalyst system efficiency below threshold	<Ref. to EN-386 DTC P0420 — CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0440	Evaporative emission control system malfunction	<Ref. to EN-388 DTC P0440 — EVAPORATIVE EMISSION CONTROL SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

DTC No.	Item	Index
P0442	Evaporative emission control system malfunction	<Ref. to EN-392 DTC P0442 — EVAPORATIVE EMISSION CONTROL SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0443	Evaporative emission control system purge control valve circuit low input	<Ref. to EN-396 DTC P0443 — EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0446	Evaporative emission control system vent control low input	<Ref. to EN-398 DTC P0446 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0451	Evaporative emission control system pressure sensor range/performance problem	<Ref. to EN-402 DTC P0451 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR RANGE/ PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0452	Evaporative emission control system pressure sensor low input	<Ref. to EN-404 DTC P0452 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0453	Evaporative emission control system pressure sensor high input	<Ref. to EN-408 DTC P0453 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0461	Fuel level sensor circuit range/performance problem	<Ref. to EN-411 DTC P0461 — FUEL LEVEL SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0462	Fuel level sensor circuit low input	<Ref. to EN-412 DTC P0462 — FUEL LEVEL SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0463	Fuel level sensor circuit high input	<Ref. to EN-416 DTC P0463 — FUEL LEVEL SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0480	Cooling fan relay 1 circuit low input	<Ref. to EN-420 DTC P0480 — COOLING FAN RELAY 1 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0483	Cooling fan function problem	<Ref. to EN-422 DTC P0483 — COOLING FAN FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0500	Vehicle speed sensor malfunction	<Ref. to EN-424 DTC P0500 — VEHICLE SPEED SENSOR MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0506	Idle control system RPM lower than expected	<Ref. to EN-426 DTC P0506 — IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0507	Idle control system RPM higher than expected	<Ref. to EN-428 DTC P0507 — IDLE CONTROL SYSTEM RPM HIGHER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0601	Internal control module memory check sum error	<Ref. to EN-430 DTC P0601 — INTERNAL CONTROL MODULE MEMORY CHECK SUM ERROR —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0703	Brake switch input malfunction	<Ref. to EN-432 DTC P0703 — BRAKE SWITCH INPUT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

DTC No.	Item	Index
P0705	Transmission range sensor circuit malfunction	<Ref. to EN-434 DTC P0705 — TRANSMISSION RANGE SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0710	Transmission fluid temperature sensor circuit malfunction	<Ref. to EN-434 DTC P0710 — TRANSMISSION FLUID TEMPERATURE SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0715	Torque converter turbine speed sensor circuit malfunction	<Ref. to EN-434 DTC P0715 — TORQUE CONVERTER TURBINE SPEED SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0720	Output speed sensor (vehicle speed sensor 2) circuit malfunction	<Ref. to EN-435 DTC P0720 — OUTPUT SPEED SENSOR (VEHICLE SPEED SENSOR 2) CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0725	Engine speed input circuit malfunction	<Ref. to EN-435 DTC P0725 — ENGINE SPEED INPUT CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0731	Gear 1 incorrect ratio	<Ref. to EN-435 DTC P0731 — GEAR 1 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0732	Gear 2 incorrect ratio	<Ref. to EN-435 DTC P0732 — GEAR 2 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0733	Gear 3 incorrect ratio	<Ref. to EN-435 DTC P0733 — GEAR 3 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0734	Gear 4 incorrect ratio	<Ref. to EN-436 DTC P0734 — GEAR 4 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0740	Torque converter clutch system malfunction	<Ref. to EN-437 DTC P0740 — TORQUE CONVERTER CLUTCH SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0743	Torque converter clutch system (lock-up duty solenoid) electrical	<Ref. to EN-439 DTC P0743 — TORQUE CONVERTER CLUTCH SYSTEM (LOCK-UP DUTY SOLENOID) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0748	Pressure control solenoid (line pressure duty solenoid) electrical	<Ref. to EN-439 DTC P0748 — PRESSURE CONTROL SOLENOID (LINE PRESSURE DUTY SOLENOID) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0753	Shift solenoid A (Shift solenoid 1) electrical	<Ref. to EN-439 DTC P0753 — SHIFT SOLENOID A (SHIFT SOLENOID 1) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P0758	Shift solenoid B (Shift solenoid 2) electrical	<Ref. to EN-440 DTC P0758 — SHIFT SOLENOID B (SHIFT SOLENOID 2) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1100	Starter switch circuit low input	<Ref. to EN-441 DTC P1100 — STARTER SWITCH CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1101	Neutral position switch circuit low input [MT vehicles] or Neutral position switch circuit high input [AT vehicles]	<Ref. to EN-442 DTC P1101 — NEUTRAL POSITION SWITCH CIRCUIT LOW INPUT [MT VEHICLES] OR NEUTRAL POSITION SWITCH CIRCUIT HIGH INPUT [AT VEHICLES]—, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

DTC No.	Item	Index
P1103	Engine torque control signal 1 circuit malfunction	<Ref. to EN-446 DTC P1103 — ENGINE TORQUE CONTROL SIGNAL 1 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1106	Engine torque control signal 2 circuit malfunction	<Ref. to EN-448 DTC P1106 — ENGINE TORQUE CONTROL SIGNAL 2 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1110	Atmospheric pressure sensor low input	<Ref. to EN-450 DTC P1110 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1111	Atmospheric pressure sensor high input	<Ref. to EN-454 DTC P1111 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1112	Atmospheric pressure sensor range/performance problem	<Ref. to EN-458 DTC P1112 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1115	Engine torque control cut signal circuit high input	<Ref. to EN-460 DTC P1115 — ENGINE TORQUE CONTROL CUT SIGNAL CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1116	Engine torque control cut signal circuit low input	<Ref. to EN-461 DTC P1116 — ENGINE TORQUE CONTROL CUT SIGNAL CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1120	Starter switch circuit high input	<Ref. to EN-462 DTC P1120 — STARTER SWITCH CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1121	Neutral position switch circuit high input [MT vehicles] or Neutral position switch circuit low input [AT vehicles]	<Ref. to EN-464 DTC P1121 — NEUTRAL POSITION SWITCH CIRCUIT HIGH INPUT [MT VEHICLES] OR NEUTRAL POSITION SWITCH CIRCUIT LOW INPUT [AT VEHICLES]—, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1130	Front oxygen (A/F) sensor circuit malfunction (open circuit)	<Ref. to EN-468 DTC P1130 — FRONT OXYGEN (A/F) SENSOR CIRCUIT MALFUNCTION (OPEN CIRCUIT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1131	Front oxygen (A/F) sensor circuit malfunction (short circuit)	<Ref. to EN-470 DTC P1131 — FRONT OXYGEN (A/F) SENSOR CIRCUIT MALFUNCTION (SHORT CIRCUIT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1132	Front oxygen (A/F) sensor heater circuit low input	<Ref. to EN-472 DTC P1132 — FRONT OXYGEN (A/F) SENSOR HEATER CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1133	Front oxygen (A/F) sensor heater circuit high input	<Ref. to EN-476 DTC P1133 — FRONT OXYGEN (A/F) SENSOR HEATER CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1142	Throttle position sensor circuit range/performance problem (low input)	<Ref. to EN-478 DTC P1142 — THROTTLE POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1151	Rear oxygen sensor heater circuit high input	<Ref. to EN-480 DTC P1151 — REAR OXYGEN SENSOR HEATER CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

DTC No.	Item	Index
P1207	Air assist injector solenoid valve circuit low input	<Ref. to EN-482 DTC P1207 — AIR ASSIST INJECTOR SOLENOID VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1208	Air assist injector solenoid valve circuit high input	<Ref. to EN-484 DTC P1208 — AIR ASSIST INJECTOR SOLENOID VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1325	Knock sensor circuit low input	<Ref. to EN-486 DTC P1325 — KNOCK SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1400	Fuel tank pressure control solenoid valve circuit low input	<Ref. to EN-488 DTC P1400 — FUEL TANK PRESSURE CONTROL SOLENOID VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1420	Fuel tank pressure control solenoid valve circuit high input	<Ref. to EN-492 DTC P1420 — FUEL TANK PRESSURE CONTROL SOLENOID VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1422	Evaporative emission control system purge control valve circuit high input	<Ref. to EN-494 DTC P1422 — EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1423	Evaporative emission control system vent control high input	<Ref. to EN-496 DTC P1423 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1442	Fuel level sensor circuit range/performance problem 2	<Ref. to EN-498 DTC P1442 — FUEL LEVEL SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM 2 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1443	Evaporative emission control system vent control function problem	<Ref. to EN-500 DTC P1443 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1445	Air assist injector solenoid valve malfunction	<Ref. to EN-502 DTC P1445 — AIR ASSIST INJECTOR SOLENOID VALVE MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1490	Thermostat malfunction	<Ref. to EN-504 DTC P1490 — THERMOSTAT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1507	Idle control system malfunction (fail-safe)	<Ref. to EN-506 DTC P1507 — IDLE CONTROL SYSTEM MALFUNCTION (FAIL-SAFE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1510	Idle air control solenoid valve signal 1 circuit low input	<Ref. to EN-508 DTC P1510 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 1 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1511	Idle air control solenoid valve signal 1 circuit high input	<Ref. to EN-508 DTC P1511 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 1 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1512	Idle air control solenoid valve signal 2 circuit low input	<Ref. to EN-508 DTC P1512 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 2 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

DTC No.	Item	Index
P1513	Idle air control solenoid valve signal 2 circuit high input	<Ref. to EN-508 DTC P1513 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 2 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1514	Idle air control solenoid valve signal 3 circuit low input	<Ref. to EN-508 DTC P1514 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 3 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1515	Idle air control solenoid valve signal 3 circuit high input	<Ref. to EN-508 DTC P1515 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 3 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1516	Idle air control solenoid valve signal 4 circuit low input	<Ref. to EN-510 DTC P1516 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 4 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1517	Idle air control solenoid valve signal 4 circuit high input	<Ref. to EN-512 DTC P1517 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 4 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1520	Cooling fan relay 1 circuit high input	<Ref. to EN-514 DTC P1520 — COOLING FAN RELAY 1 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1540	Vehicle speed sensor malfunction 2	<Ref. to EN-516 DTC P1540 — VEHICLE SPEED SENSOR MALFUNCTION 2 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1560	Back-up voltage circuit malfunction	<Ref. to EN-518 DTC P1560 — BACK-UP VOLTAGE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1700	Throttle position sensor circuit malfunction for automatic transmission	<Ref. to EN-520 DTC P1700 — THROTTLE POSITION SENSOR CIRCUIT MALFUNCTION FOR AUTOMATIC TRANSMISSION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1701	Cruise control set signal circuit malfunction for automatic transmission	<Ref. to EN-522 DTC P1701 — CRUISE CONTROL SET SIGNAL CIRCUIT MALFUNCTION FOR AUTOMATIC TRANSMISSION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1702	Automatic transmission diagnosis input signal circuit low input	<Ref. to EN-524 DTC P1702 — AUTOMATIC TRANSMISSION DIAGNOSIS INPUT SIGNAL CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1703	Low clutch timing control solenoid valve circuit malfunction	<Ref. to EN-526 DTC P1703 — LOW CLUTCH TIMING CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1704	2-4 brake timing control solenoid valve circuit malfunction	<Ref. to EN-526 DTC P1704 — 2-4 BRAKE TIMING CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1705	2-4 brake pressure control solenoid valve (2-4 brake duty solenoid) circuit malfunction	<Ref. to EN-526 DTC P1705 — 2-4 BRAKE PRESSURE CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>
P1722	Automatic transmission diagnosis input signal circuit high input	<Ref. to EN-528 DTC P1722 — AUTOMATIC TRANSMISSION DIAGNOSIS INPUT SIGNAL CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 2500 CC MODELS

Engine

DTC No.	Item	Index
P1742	Automatic transmission diagnosis input signal circuit malfunction	<Ref. to EN-530 DTC P1742 — AUTOMATIC TRANSMISSION DIAGNOSIS INPUT SIGNAL CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for 2500 cc Models.>