

# LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR AT VEHICLES

Engine (DIAGNOSTICS)

## 19. List of Diagnostic Trouble Code (DTC) for AT Vehicles S008601

### A: LIST S008601A12

DTC No.	Item	Index
P0031	Front oxygen (A/F) sensor heater circuit low input	<Ref. to EN(H4)-310 DTC P0031 — FRONT OXYGEN (A/F) SENSOR HEATER CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0032	Front oxygen (A/F) sensor heater circuit high input	<Ref. to EN(H4)-314 DTC P0032 — FRONT OXYGEN (A/F) SENSOR HEATER CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0037	Rear oxygen sensor heater circuit malfunction	<Ref. to EN(H4)-316 DTC P0037 — REAR OXYGEN SENSOR HEATER CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0038	Rear oxygen sensor heater circuit high input	<Ref. to EN(H4)-320 DTC P0038 — REAR OXYGEN SENSOR HEATER CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0065	Air assist injector solenoid valve malfunction	<Ref. to EN(H4)-322 DTC P0065 — AIR ASSIST INJECTOR SOLENOID VALVE MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0066	Air assist injector solenoid valve circuit low input	<Ref. to EN(H4)-324 DTC P0066 — AIR ASSIST INJECTOR SOLENOID VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0067	Air assist injector solenoid valve circuit high input	<Ref. to EN(H4)-326 DTC P0067 — AIR ASSIST INJECTOR SOLENOID VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0106	Pressure sensor circuit range/performance problem (low input)	<Ref. to EN(H4)-328 DTC P0106 — PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0107	Pressure sensor circuit low input	<Ref. to EN(H4)-332 DTC P0107 — PRESSURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0108	Pressure sensor circuit high input	<Ref. to EN(H4)-336 DTC P0108 — PRESSURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0111	Intake air temperature sensor circuit range/performance problem	<Ref. to EN(H4)-340 DTC P0111 — INTAKE AIR TEMPERATURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0112	Intake air temperature sensor circuit low input	<Ref. to EN(H4)-342 DTC P0112 — INTAKE AIR TEMPERATURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0113	Intake air temperature sensor circuit high input	<Ref. to EN(H4)-344 DTC P0113 — INTAKE AIR TEMPERATURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0117	Engine coolant temperature sensor circuit low input	<Ref. to EN(H4)-348 DTC P0117 — ENGINE COOLANT TEMPERATURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0118	Engine coolant temperature sensor circuit high input	<Ref. to EN(H4)-350 DTC P0118 — ENGINE COOLANT TEMPERATURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>

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P0121	Throttle position sensor circuit range/performance problem (high input)	<Ref. to EN(H4)-354 DTC P0121 — THROTTLE POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0122	Throttle position sensor circuit low input	<Ref. to EN(H4)-356 DTC P0122 — THROTTLE POSITION SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0123	Throttle position sensor circuit high input	<Ref. to EN(H4)-360 DTC P0123 — THROTTLE POSITION SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0125	Insufficient coolant temperature for closed loop fuel control	<Ref. to EN(H4)-362 DTC P0125 — INSUFFICIENT COOLANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0128	Thermostat malfunction	<Ref. to EN(H4)-364 DTC P0128 — THERMOSTAT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0130	Front oxygen (A/F) sensor circuit range/performance problem (Lean)	<Ref. to EN(H4)-366 DTC P0130 — FRONT OXYGEN (A/F) SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (LEAN) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0131	Front oxygen (A/F) sensor circuit malfunction (open circuit)	<Ref. to EN(H4)-370 DTC P0131 — FRONT OXYGEN (A/F) SENSOR CIRCUIT MALFUNCTION (OPEN CIRCUIT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0132	Front oxygen (A/F) sensor circuit malfunction (short circuit)	<Ref. to EN(H4)-372 DTC P0132 — FRONT OXYGEN (A/F) SENSOR CIRCUIT MALFUNCTION (SHORT CIRCUIT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0133	Front oxygen (A/F) sensor circuit slow response	<Ref. to EN(H4)-374 DTC P0133 — FRONT OXYGEN (A/F) SENSOR CIRCUIT SLOW RESPONSE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0136	Rear oxygen sensor circuit malfunction	<Ref. to EN(H4)-376 DTC P0136 — REAR OXYGEN SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0139	Rear oxygen sensor circuit slow response	<Ref. to EN(H4)-380 DTC P0139 — REAR OXYGEN SENSOR CIRCUIT SLOW RESPONSE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0170	Fuel trim malfunction	<Ref. to EN(H4)-382 DTC P0170 — FUEL TRIM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0181	Fuel temperature sensor A circuit range/performance problem	<Ref. to EN(H4)-384 DTC P0181 — FUEL TEMPERATURE SENSOR A CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0182	Fuel temperature sensor A circuit low input	<Ref. to EN(H4)-386 DTC P0182 — FUEL TEMPERATURE SENSOR A CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0183	Fuel temperature sensor A circuit high input	<Ref. to EN(H4)-388 DTC P0183 — FUEL TEMPERATURE SENSOR A CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0301	Cylinder 1 misfire detected	<Ref. to EN(H4)-391 DTC P0301 — CYLINDER 1 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0302	Cylinder 2 misfire detected	<Ref. to EN(H4)-391 DTC P0302 — CYLINDER 2 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>

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P0303	Cylinder 3 misfire detected	<Ref. to EN(H4)-391 DTC P0303 — CYLINDER 3 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0304	Cylinder 4 misfire detected	<Ref. to EN(H4)-392 DTC P0304 — CYLINDER 4 MISFIRE DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0327	Knock sensor circuit low input	<Ref. to EN(H4)-400 DTC P0327 — KNOCK SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0328	Knock sensor circuit high input	<Ref. to EN(H4)-402 DTC P0328 — KNOCK SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0335	Crankshaft position sensor circuit malfunction	<Ref. to EN(H4)-404 DTC P0335 — CRANKSHAFT POSITION SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0336	Crankshaft position sensor circuit range/performance problem	<Ref. to EN(H4)-406 DTC P0336 — CRANKSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0340	Camshaft position sensor circuit malfunction	<Ref. to EN(H4)-408 DTC P0340 — CAMSHAFT POSITION SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0341	Camshaft position sensor circuit range/performance problem	<Ref. to EN(H4)-410 DTC P0341 — CAMSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0420	Catalyst system efficiency below threshold	<Ref. to EN(H4)-414 DTC P0420 — CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0442	Evaporative emission control system malfunction	<Ref. to EN(H4)-416 DTC P0442 — EVAPORATIVE EMISSION CONTROL SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0444	Evaporative emission control system purge control valve circuit low input	<Ref. to EN(H4)-420 DTC P0444 — EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0445	Evaporative emission control system purge control valve circuit high input	<Ref. to EN(H4)-424 DTC P0445 — EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0447	Evaporative emission control system vent control low input	<Ref. to EN(H4)-426 DTC P0447 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0448	Evaporative emission control system vent control high input	<Ref. to EN(H4)-430 DTC P0448 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0451	Evaporative emission control system pressure sensor range/performance problem	<Ref. to EN(H4)-432 DTC P0451 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0452	Evaporative emission control system pressure sensor low input	<Ref. to EN(H4)-434 DTC P0452 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>

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P0453	Evaporative emission control system pressure sensor high input	<Ref. to EN(H4)-438 DTC P0453 — EVAPORATIVE EMISSION CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0456	Evaporative emission control system malfunction	<Ref. to EN(H4)-442 DTC P0456 — EVAPORATIVE EMISSION CONTROL SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0461	Fuel level sensor circuit range/performance problem	<Ref. to EN(H4)-446 DTC P0461 — FUEL LEVEL SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0462	Fuel level sensor circuit low input	<Ref. to EN(H4)-448 DTC P0462 — FUEL LEVEL SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0463	Fuel level sensor circuit high input	<Ref. to EN(H4)-452 DTC P0463 — FUEL LEVEL SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0464	Fuel level sensor intermittent input	<Ref. to EN(H4)-456 DTC P0464 — FUEL LEVEL SENSOR INTERMITTENT INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0480	Cooling fan relay 1 circuit low input	<Ref. to EN(H4)-458 DTC P0480 — COOLING FAN RELAY 1 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0483	Cooling fan function problem	<Ref. to EN(H4)-462 DTC P0483 — COOLING FAN FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0500	Vehicle speed sensor malfunction	<Ref. to EN(H4)-466 DTC P0500 — VEHICLE SPEED SENSOR MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0506	Idle control system RPM lower than expected	<Ref. to EN(H4)-468 DTC P0506 — IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0507	Idle control system RPM higher than expected	<Ref. to EN(H4)-470 DTC P0507 — IDLE CONTROL SYSTEM RPM HIGHER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0512	Starter switch circuit high input	<Ref. to EN(H4)-472 DTC P0512 — STARTER SWITCH CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0604	Internal control module memory check sum error	<Ref. to EN(H4)-474 DTC P0604 — INTERNAL CONTROL MODULE MEMORY CHECK SUM ERROR —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0703	Brake switch input malfunction	<Ref. to EN(H4)-476 DTC P0703 — BRAKE SWITCH INPUT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0705	Transmission range sensor circuit malfunction	<Ref. to EN(H4)-478 DTC P0705 — TRANSMISSION RANGE SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0710	Transmission fluid temperature sensor circuit malfunction	<Ref. to EN(H4)-478 DTC P0710 — TRANSMISSION FLUID TEMPERATURE SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>

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P0715	Torque converter turbine speed sensor circuit malfunction	<Ref. to EN(H4)-478 DTC P0715 — TORQUE CONVERTER TURBINE SPEED SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0720	Output speed sensor (vehicle speed sensor 2) circuit malfunction	<Ref. to EN(H4)-479 DTC P0720 — OUTPUT SPEED SENSOR (VEHICLE SPEED SENSOR 2) CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0725	Engine speed input circuit malfunction	<Ref. to EN(H4)-479 DTC P0725 — ENGINE SPEED INPUT CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0731	Gear 1 incorrect ratio	<Ref. to EN(H4)-479 DTC P0731 — GEAR 1 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0732	Gear 2 incorrect ratio	<Ref. to EN(H4)-479 DTC P0732 — GEAR 2 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0733	Gear 3 incorrect ratio	<Ref. to EN(H4)-479 DTC P0733 — GEAR 3 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0734	Gear 4 incorrect ratio	<Ref. to EN(H4)-480 DTC P0734 — GEAR 4 INCORRECT RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0741	Torque converter clutch system malfunction	<Ref. to EN(H4)-482 DTC P0741 — TORQUE CONVERTER CLUTCH SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0743	Torque converter clutch system (Lock-up duty solenoid) electrical	<Ref. to EN(H4)-484 DTC P0743 — TORQUE CONVERTER CLUTCH SYSTEM (LOCK-UP DUTY SOLENOID) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0748	Pressure control solenoid (Line pressure duty solenoid) electrical	<Ref. to EN(H4)-484 DTC P0748 — PRESSURE CONTROL SOLENOID (LINE PRESSURE DUTY SOLENOID) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0753	Shift solenoid A (Shift solenoid 1) electrical	<Ref. to EN(H4)-484 DTC P0753 — SHIFT SOLENOID A (SHIFT SOLENOID 1) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0758	Shift solenoid B (Shift solenoid 2) electrical	<Ref. to EN(H4)-485 DTC P0758 — SHIFT SOLENOID B (SHIFT SOLENOID 2) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0778	2-4 brake pressure control solenoid valve circuit malfunction	<Ref. to EN(H4)-485 DTC P0778 — 2-4 BRAKE PRESSURE CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P0785	2-4 brake timing control solenoid valve circuit malfunction	<Ref. to EN(H4)-485 DTC P0785 — 2-4 BRAKE TIMING CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1110	Atmospheric pressure sensor low input	<Ref. to EN(H4)-486 DTC P1110 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1111	Atmospheric pressure sensor high input	<Ref. to EN(H4)-490 DTC P1111 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>

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P1112	Atmospheric pressure sensor range/performance problem	<Ref. to EN(H4)-494 DTC P1112 — ATMOSPHERIC PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1137	Front oxygen (A/F) sensor circuit range/performance problem	<Ref. to EN(H4)-496 DTC P1137 — FRONT OXYGEN (A/F) SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1142	Throttle position sensor circuit range/performance problem (low input)	<Ref. to EN(H4)-500 DTC P1142 — THROTTLE POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1146	Pressure sensor circuit range/performance problem (high input)	<Ref. to EN(H4)-502 DTC P1146 — PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1400	Fuel tank pressure control solenoid valve circuit low input	<Ref. to EN(H4)-506 DTC P1400 — FUEL TANK PRESSURE CONTROL SOLENOID VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1420	Fuel tank pressure control solenoid valve circuit high input	<Ref. to EN(H4)-510 DTC P1420 — FUEL TANK PRESSURE CONTROL SOLENOID VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1442	Fuel level sensor circuit range/performance problem 2	<Ref. to EN(H4)-512 DTC P1442 — FUEL LEVEL SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM 2 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1443	Evaporative emission control system vent control function problem	<Ref. to EN(H4)-514 DTC P1443 — EVAPORATIVE EMISSION CONTROL SYSTEM VENT CONTROL FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1480	Cooling fan relay 1 circuit high input	<Ref. to EN(H4)-516 DTC P1480 — COOLING FAN RELAY 1 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1507	Idle control system malfunction (fail-safe)	<Ref. to EN(H4)-520 DTC P1507 — IDLE CONTROL SYSTEM MALFUNCTION (FAIL-SAFE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1510	Idle air control solenoid valve signal 1 circuit low input	<Ref. to EN(H4)-522 DTC P1510 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 1 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1511	Idle air control solenoid valve signal 1 circuit high input	<Ref. to EN(H4)-522 DTC P1511 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 1 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1512	Idle air control solenoid valve signal 2 circuit low input	<Ref. to EN(H4)-522 DTC P1512 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 2 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1513	Idle air control solenoid valve signal 2 circuit high input	<Ref. to EN(H4)-522 DTC P1513 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 2 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>

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P1514	Idle air control solenoid valve signal 3 circuit low input	<Ref. to EN(H4)-522 DTC P1514 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 3 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1515	Idle air control solenoid valve signal 3 circuit high input	<Ref. to EN(H4)-522 DTC P1515 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 3 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1516	Idle air control solenoid valve signal 4 circuit low input	<Ref. to EN(H4)-524 DTC P1516 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 4 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1517	Idle air control solenoid valve signal 4 circuit high input	<Ref. to EN(H4)-528 DTC P1517 — IDLE AIR CONTROL SOLENOID VALVE SIGNAL 4 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1518	Starter switch circuit low input	<Ref. to EN(H4)-530 DTC P1518 — STARTER SWITCH CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1540	Vehicle speed sensor malfunction 2	<Ref. to EN(H4)-532 DTC P1540 — VEHICLE SPEED SENSOR MALFUNCTION 2 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1560	Back-up voltage circuit malfunction	<Ref. to EN(H4)-534 DTC P1560 — BACK-UP VOLTAGE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1590	Neutral position switch circuit high input	<Ref. to EN(H4)-536 DTC P1590 — NEUTRAL POSITION SWITCH CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1591	Neutral position switch circuit low input	<Ref. to EN(H4)-540 DTC P1591 — NEUTRAL POSITION SWITCH CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1594	Automatic transmission diagnosis input signal circuit malfunction	<Ref. to EN(H4)-542 DTC P1594 — AUTOMATIC TRANSMISSION DIAGNOSIS INPUT SIGNAL CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1595	Automatic transmission diagnosis input signal circuit low input	<Ref. to EN(H4)-544 DTC P1595 — AUTOMATIC TRANSMISSION DIAGNOSIS INPUT SIGNAL CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1596	Automatic transmission diagnosis input signal circuit high input	<Ref. to EN(H4)-546 DTC P1596 — AUTOMATIC TRANSMISSION DIAGNOSIS INPUT SIGNAL CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1698	Engine torque control cut signal circuit low input	<Ref. to EN(H4)-548 DTC P1698 — ENGINE TORQUE CONTROL CUT SIGNAL CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1699	Engine torque control cut signal circuit high input	<Ref. to EN(H4)-550 DTC P1699 — ENGINE TORQUE CONTROL CUT SIGNAL CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1700	Throttle position sensor circuit malfunction for automatic transmission	<Ref. to EN(H4)-552 DTC P1700 — THROTTLE POSITION SENSOR CIRCUIT MALFUNCTION FOR AUTOMATIC TRANSMISSION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>

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P1701	Cruise control set signal circuit malfunction for automatic transmission	<Ref. to EN(H4)-554 DTC P1701 — CRUISE CONTROL SET SIGNAL CIRCUIT MALFUNCTION FOR AUTOMATIC TRANSMISSION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1703	Low clutch timing control solenoid valve circuit malfunction	<Ref. to EN(H4)-556 DTC P1703 — LOW CLUTCH TIMING CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1711	Engine torque control signal 1 circuit malfunction	<Ref. to EN(H4)-558 DTC P1711 — ENGINE TORQUE CONTROL SIGNAL 1 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>
P1712	Engine torque control signal 2 circuit malfunction	<Ref. to EN(H4)-560 DTC P1712 — ENGINE TORQUE CONTROL SIGNAL 2 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.>



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MEMO: