# 17.List of Diagnostic Trouble Code (DTC)

### A: LIST

DTC	Item	Index
P0026	Intake Valve Control Solenoid Circuit Range/Performance (Bank 1)	<ref. control="" dtc="" en(h4so)(diag)-76,="" intake="" p0026="" sole-<br="" to="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0028	Intake Valve Control Solenoid Circuit Range/Performance (Bank 2)	<ref. control="" dtc="" en(h4so)(diag)-78,="" intake="" p0028="" sole-<br="" to="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-80,="" heater="" ho2s="" p0030="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-82,="" heater="" ho2s="" low="" p0031="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-84,="" heater="" high="" ho2s="" p0032="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-86,="" heater="" ho2s="" low="" p0037="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-89,="" heater="" high="" ho2s="" p0038="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0068	MAP/MAF - Throttle Position Cor- relation	<ref. (dtc).="" -="" code="" correlation,="" diagnostic="" dtc="" en(h4so)(diag)-91,="" maf="" map="" p0068="" position="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P0076	Intake Valve Control Solenoid Circuit Low (Bank 1)	Ref. to EN(H4SO)(diag)-93, DTC P0076 INTAKE VALVE CONTROL SOLE-NOID CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
P0077	Intake Valve Control Solenoid Circuit High (Bank 1)	<ref. control="" dtc="" en(h4so)(diag)-95,="" intake="" p0077="" sole-<br="" to="" valve="">NOID CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0082	Intake Valve Control Solenoid Circuit Low (Bank 2)	<ref. control="" dtc="" en(h4so)(diag)-97,="" intake="" p0082="" sole-<br="" to="" valve="">NOID CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0083	Intake Valve Control Solenoid Circuit High (Bank 2)	<ref. control="" dtc="" en(h4so)(diag)-99,="" intake="" p0083="" sole-<br="" to="" valve="">NOID CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. air="" cir-<br="" dtc="" en(h4so)(diag)-101,="" flow="" mass="" or="" p0101="" to="" volume="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. air="" cir-<br="" dtc="" en(h4so)(diag)-103,="" flow="" mass="" or="" p0102="" to="" volume="">CUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. (dtc).="" air="" cir-cuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-106,="" flow="" high="" input,="" mass="" or="" p0103="" procedure="" to="" trouble="" volume="" with=""></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. absolute="" dtc="" en(h4so)(diag)-108,="" manifold="" p0107="" pres-<br="" to="">SURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High Input	<ref. absolute="" dtc="" en(h4so)(diag)-111,="" manifold="" p0108="" pres-<br="" to="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0111	Intake Air Temperature Sensor 1 Circuit Range/Performance	<ref. air="" dtc="" en(h4so)(diag)-114,="" intake="" p0111="" sen-<br="" temperature="" to="">SOR 1 CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).&gt;</ref.>
P0112	Intake Air Temperature Sensor 1 Circuit Low	<ref. air="" dtc="" en(h4so)(diag)-116,="" intake="" p0112="" sen-<br="" temperature="" to="">SOR 1 CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>

DTC	Item	Index
P0113	Intake Air Temperature Sensor 1 Circuit High	<ref. air="" dtc="" en(h4so)(diag)-118,="" intake="" p0113="" sen-<br="" temperature="" to="">SOR 1 CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0117	Engine Coolant Temperature Circuit Low	<ref. (dtc).="" circuit="" code="" coolant="" diagnostic="" dtc="" en(h4so)(diag)-121,="" engine="" low,="" p0117="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P0118	Engine Coolant Temperature Circuit High	<ref. (dtc).="" circuit="" code="" coolant="" diagnostic="" dtc="" en(h4so)(diag)-123,="" engine="" high,="" p0118="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-126,="" low,="" p0122="" pedal="" position="" procedure="" sen-sor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-128,="" high,="" p0123="" pedal="" position="" procedure="" sen-sor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. coolant="" dtc="" en(h4so)(diag)-130,="" insufficient="" p0125="" tem-<br="" to="">PERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0126	Insufficient Engine Coolant Temperature for Stable Operation	<ref. (dtc).="" code="" coolant="" diagnostic="" dtc="" en(h4so)(diag)-132,="" engine="" for="" insufficient="" operation,="" p0126="" procedure="" stable="" temperature="" to="" trouble="" with=""></ref.>
P0128	Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature)	<ref. (dtc).="" (engine="" below="" code="" coolant="" diagnostic="" dtc="" en(h4so)(diag)-134,="" p0128="" procedure="" regulating="" temperature="" temperature),="" thermostat="" to="" trouble="" with=""></ref.>
P0131	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-135,="" low="" o2="" p0131="" procedure="" sensor="" to="" trouble="" volt-age="" with=""></ref.>
P0132	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-137,="" high="" o2="" p0132="" procedure="" sensor="" to="" trouble="" volt-age="" with=""></ref.>
P0133	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-139,="" o2="" p0133="" procedure="" response="" sensor="" slow="" to="" trouble="" with=""></ref.>
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h4so)(diag)-141,="" no="" o2="" p0134="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0137	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-143,="" low="" o2="" p0137="" procedure="" sensor="" to="" trouble="" volt-age="" with=""></ref.>
P0138	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-146,="" high="" o2="" p0138="" procedure="" sensor="" to="" trouble="" volt-age="" with=""></ref.>
P0139	O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-149,="" o2="" p0139="" procedure="" response="" sensor="" slow="" to="" trouble="" with=""></ref.>
P0140	O2 Sensor Circuit No Activity Detected (Bank1 Sensor2)	<ref. (bank1="" (dtc).="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h4so)(diag)-151,="" no="" o2="" p0140="" procedure="" sensor="" sensor2),="" to="" trouble="" with=""></ref.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h4so)(diag)-154,="" lean="" p0171="" procedure="" system="" to="" too="" trouble="" with=""></ref.>
P0172	System Too Rich (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h4so)(diag)-154,="" p0172="" procedure="" rich="" system="" to="" too="" trouble="" with=""></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-156,="" fuel="" p0181="" performance,="" procedure="" range="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0182	Fuel Temperature Sensor "A" Circuit Low Input	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-158,="" fuel="" input,="" low="" p0182="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>

## **List of Diagnostic Trouble Code (DTC)**

#### ENGINE (DIAGNOSTICS)

DTC	Item	Index
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-160,="" fuel="" high="" input,="" p0183="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0196	Engine Oil Temperature Sensor Circuit Range/Performance	<ref. dtc="" en(h4so)(diag)-163,="" engine="" oil="" p0196="" sen-<br="" temperature="" to="">SOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0197	Engine Oil Temperature Sensor Low	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h4so)(diag)-165,="" engine="" low,="" oil="" p0197="" procedure="" sen-sor="" temperature="" to="" trouble="" with=""></ref.>
P0198	Engine Oil Temperature Sensor High	<ref. dtc="" en(h4so)(diag)-167,="" engine="" oil="" p0198="" sen-<br="" temperature="" to="">SOR HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low	<ref. dtc="" en(h4so)(diag)-169,="" p0222="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "B" CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High	<ref. "b"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-171,="" high,="" p0223="" pedal="" position="" procedure="" sen-sor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. 1="" cylinder="" detected,<br="" dtc="" en(h4so)(diag)-173,="" misfire="" p0301="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc).="" 2="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4so)(diag)-173,="" misfire="" p0302="" procedure="" to="" trouble="" with=""></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. 3="" cylinder="" detected,<br="" dtc="" en(h4so)(diag)-173,="" misfire="" p0303="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0304	Cylinder 4 Misfire Detected	<ref. (dtc).="" 4="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4so)(diag)-174,="" misfire="" p0304="" procedure="" to="" trouble="" with=""></ref.>
P0327	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-180,="" knock="" low="" or="" p0327="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0328	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-182,="" high="" knock="" or="" p0328="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. crankshaft="" dtc="" en(h4so)(diag)-184,="" p0335="" position="" sensor<br="" to="">"A" CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc).="" circuit="" code="" crankshaft="" diagnostic="" dtc="" en(h4so)(diag)-186,="" p0336="" performance,="" position="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc).="" 1="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-188,="" or="" p0340="" position="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0341	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc).="" 1="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-190,="" or="" p0341="" performance="" position="" procedure="" range="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0400	Exhaust Gas Recirculation Flow	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h4so)(diag)-193,="" exhaust="" flow,="" gas="" p0400="" procedure="" recirculation="" to="" trouble="" with=""></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. (bank="" (dtc).="" 1),="" below="" catalyst="" code="" diagnostic="" dtc="" efficiency="" en(h4so)(diag)-196,="" p0420="" procedure="" system="" threshold="" to="" trouble="" with=""></ref.>
P0442	Evaporative Emission Control System Leak Detected (Small Leak)	<ref. (dtc).="" (small="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h4so)(diag)-200,="" evaporative="" leak="" leak),="" p0442="" procedure="" system="" to="" trouble="" with=""></ref.>
P0447	Evaporative Emission Control System Vent Control Circuit Open	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so)(diag)-203,="" evaporative="" open,="" p0447="" procedure="" system="" to="" trouble="" vent="" with=""></ref.>
P0448	Evaporative Emission Control System Vent Control Circuit Shorted	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so)(diag)-206,="" evaporative="" p0448="" procedure="" shorted,="" system="" to="" trouble="" vent="" with=""></ref.>

DTC	Item	Index
P0451	Evaporative Emission Control Sys-	Ref. to EN(H4SO)(diag)-208, DTC P0451 EVAPORATIVE EMISSION CON-
P0451	tem Pressure Sensor	TROL SYSTEM PRESSURE SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
P0452	Evaporative Emission Control System Pressure Sensor Low Input	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4so)(diag)-210,="" evaporative="" input,="" low="" p0452="" pressure="" procedure="" sensor="" system="" to="" trouble="" with=""></ref.>
P0453	Evaporative Emission Control System Pressure Sensor High Input	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4so)(diag)-213,="" evaporative="" high="" input,="" p0453="" pressure="" procedure="" sensor="" system="" to="" trouble="" with=""></ref.>
P0456	Evaporative Emission Control System Leak Detected (Very Small Leak)	<ref. (dtc).="" (very="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h4so)(diag)-216,="" evaporative="" leak="" leak),="" p0456="" procedure="" small="" system="" to="" trouble="" with=""></ref.>
P0457	Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off)	<ref. (dtc).="" (fuel="" cap="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h4so)(diag)-219,="" evaporative="" leak="" loose="" off),="" p0457="" procedure="" system="" to="" trouble="" with=""></ref.>
P0458	Evaporative Emission System Purge Control Valve Circuit Low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so)(diag)-222,="" evaporative="" low,="" p0458="" procedure="" purge="" system="" to="" trouble="" valve="" with=""></ref.>
P0459	Evaporative Emission System Purge Control Valve Circuit High	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4so)(diag)-224,="" evaporative="" high,="" p0459="" procedure="" purge="" system="" to="" trouble="" valve="" with=""></ref.>
P0461	Fuel Level Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-226,="" fuel="" level="" p0461="" performance,="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0462	Fuel Level Sensor "A" Circuit Low	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-226,="" fuel="" level="" low,="" p0462="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0463	Fuel Level Sensor "A" Circuit High	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-226,="" fuel="" high,="" level="" p0463="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-226,="" fuel="" intermittent,="" level="" p0464="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0483	Fan Rationality Check	<ref. (dtc).="" check,="" code="" diagnostic="" dtc="" en(h4so)(diag)-227,="" fan="" p0483="" procedure="" rationality="" to="" trouble="" with=""></ref.>
P0500	Vehicle Speed Sensor "A"	<ref. "a",="" (dtc).="" code="" diagnostic="" dtc="" en(h4so)(diag)-227,="" p0500="" procedure="" sensor="" speed="" to="" trouble="" vehicle="" with=""></ref.>
P0506	Idle Air Control System RPM Lower Than Expected	<ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-228,="" expected,="" idle="" lower="" p0506="" procedure="" rpm="" system="" than="" to="" trouble="" with=""></ref.>
P0507	Idle Air Control System RPM Higher Than Expected	<ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-230,="" expected,="" higher="" idle="" p0507="" procedure="" rpm="" system="" than="" to="" trouble="" with=""></ref.>
P0512	Starter Request Circuit	<ref. (dtc).="" circuit,="" code="" diagnostic="" dtc="" en(h4so)(diag)-232,="" p0512="" procedure="" request="" starter="" to="" trouble="" with=""></ref.>
P0519	Idle Air Control System Performance	<ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-234,="" idle="" p0519="" per-formance,="" procedure="" system="" to="" trouble="" with=""></ref.>
P0600	Serial Communication Link	<ref. (dtc).="" code="" communication="" diagnostic="" dtc="" en(h4so)(diag)-236,="" link,="" p0600="" procedure="" serial="" to="" trouble="" with=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" en(h4so)(diag)-236,="" internal="" module<br="" p0604="" to="">RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. control="" dtc="" en(h4so)(diag)-236,="" internal="" module<br="" p0605="" to="">READ ONLY MEMORY (ROM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P0607	Control Module Performance	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-237,="" module="" p0607="" perfor-mance,="" procedure="" to="" trouble="" with=""></ref.>
P0638	Throttle Actuator Control Range/ Performance (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-239,="" p0638="" performance="" procedure="" range="" throttle="" to="" trouble="" with=""></ref.>

## **List of Diagnostic Trouble Code (DTC)**

#### **ENGINE (DIAGNOSTICS)**

DTC	Item	Index
P0691	Fan 1 Control Circuit Low	<ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-239,="" fan="" low,="" p0691="" procedure="" to="" trouble="" with=""></ref.>
P0692	Fan 1 Control Circuit High	<ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-239,="" fan="" high,="" p0692="" procedure="" to="" trouble="" with=""></ref.>
P0700	Transmission Control System (MIL Request)	<ref. (dtc).="" (mil="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-239,="" p0700="" procedure="" request),="" system="" to="" transmission="" trouble="" with=""></ref.>
P0851	Park/Neutral Switch Input Circuit Low	<ref. (at="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-240,="" input="" low="" model),="" neutral="" p0851="" park="" procedure="" switch="" to="" trouble="" with=""> or <ref. (dtc).="" (mt="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-242,="" input="" low="" model),="" neutral="" p0851="" procedure="" switch="" to="" trouble="" with=""></ref.></ref.>
P0852	Park/Neutral Switch Input Circuit High	<ref. (at="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-244,="" high="" input="" model),="" neutral="" p0852="" park="" procedure="" switch="" to="" trouble="" with=""> or <ref. (dtc).="" (mt="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-247,="" high="" input="" model),="" neutral="" p0852="" procedure="" switch="" to="" trouble="" with=""></ref.></ref.>
P1152	O2 Sensor Circuit Range/Performance (Low) (Bank1 Sensor1)	<ref. (bank1="" (dtc).="" (low)="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-249,="" o2="" p1152="" per-formance="" procedure="" range="" sensor="" sensor1),="" to="" trouble="" with=""></ref.>
P1153	O2 Sensor Circuit Range/Performance (High) (Bank1 Sensor1)	<ref. (bank1="" (dtc).="" (high)="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-251,="" o2="" p1153="" per-formance="" procedure="" range="" sensor="" sensor1),="" to="" trouble="" with=""></ref.>
P1160	Return Spring Failure	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h4so)(diag)-252,="" failure,="" p1160="" procedure="" return="" spring="" to="" trouble="" with=""></ref.>
P1400	Fuel Tank Pressure Control Sole- noid Valve Circuit Low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-253,="" fuel="" low,="" p1400="" pressure="" procedure="" solenoid="" tank="" to="" trouble="" valve="" with=""></ref.>
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-256,="" fuel="" high,="" p1420="" pressure="" procedure="" sol.="" tank="" to="" trouble="" valve="" with=""></ref.>
P1443	Vent Control Solenoid Valve Function Problem	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-258,="" function="" p1443="" problem,="" procedure="" solenoid="" to="" trouble="" valve="" vent="" with=""></ref.>
P1491	Positive Crankcase Ventilation (Blow-by) Function Problem	<ref. crankcase="" dtc="" en(h4so)(diag)-260,="" p1491="" positive="" to="" ventila-<br="">TION (BLOW-BY) FUNCTION PROBLEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P1492	EGR Solenoid Valve Signal #1 Circuit Malfunction (Low Input)	<ref. #1="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-262,="" input),="" malfunction="" p1492="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>
P1493	EGR Solenoid Valve Signal #1 Circuit Malfunction (High Input)	<ref. #1="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-262,="" input),="" malfunction="" p1493="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>
P1494	EGR Solenoid Valve Signal #2 Circuit Malfunction (Low Input)	<ref. #2="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-262,="" input),="" malfunction="" p1494="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>
P1495	EGR Solenoid Valve Signal #2 Circuit Malfunction (High Input)	<ref. #2="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-262,="" input),="" malfunction="" p1495="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>
P1496	EGR Solenoid Valve Signal #3 Circuit Malfunction (Low Input)	<ref. #3="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-262,="" input),="" malfunction="" p1496="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>
P1497	EGR Solenoid Valve Signal #3 Circuit Malfunction (High Input)	<ref. #3="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-262,="" input),="" malfunction="" p1497="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>
P1498	EGR Solenoid Valve Signal #4 Circuit Malfunction (Low Input)	<ref. #4="" (dtc).="" (low="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-263,="" input),="" malfunction="" p1498="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>

DTC	Item	Index
P1499	EGR Solenoid Valve Signal #4 Circuit Malfunction (High Input)	<ref. #4="" (dtc).="" (high="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)(diag)-266,="" input),="" malfunction="" p1499="" procedure="" signal="" solenoid="" to="" trouble="" valve="" with=""></ref.>
P1518	Starter Switch Circuit Low Input	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-269,="" input,="" low="" p1518="" procedure="" starter="" switch="" to="" trouble="" with=""></ref.>
P1560	Back-up Voltage Circuit Malfunction	<ref. (dtc).="" back-up="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-271,="" mal-function,="" p1560="" procedure="" to="" trouble="" voltage="" with=""></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h4so)(diag)-273,="" fuel="" lean="" p2096="" post="" procedure="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	<ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h4so)(diag)-279,="" fuel="" p2097="" post="" procedure="" rich="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2101	Throttle Actuator Control Motor Circuit Range/Performance	<ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-285,="" motor="" p2101="" performance,="" procedure="" range="" throttle="" to="" trouble="" with=""></ref.>
P2102	Throttle Actuator Control Motor Circuit Low	<ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-291,="" low,="" motor="" p2102="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P2103	Throttle Actuator Control Motor Circuit High	<ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-293,="" high,="" motor="" p2103="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	<ref. dtc="" en(h4so)(diag)-294,="" p2109="" pedal="" position="" sen-<br="" throttle="" to="">SOR "A" MINIMUM STOP PERFORMANCE, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).&gt;</ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. dtc="" en(h4so)(diag)-295,="" p2122="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. dtc="" en(h4so)(diag)-298,="" p2123="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. dtc="" en(h4so)(diag)-300,="" p2127="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "E" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. dtc="" en(h4so)(diag)-303,="" p2128="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation	<ref. dtc="" en(h4so)(diag)-305,="" p2135="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "A"/"B" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation	<ref. dtc="" en(h4so)(diag)-309,="" p2138="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D"/"E" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2227	Barometric Pressure Circuit Range/Performance	<ref. barometric="" cir-<br="" dtc="" en(h4so)(diag)-313,="" p2227="" pressure="" to="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2228	Barometric Pressure Circuit Low	<ref. barometric="" cir-<br="" dtc="" en(h4so)(diag)-313,="" p2228="" pressure="" to="">CUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>
P2229	Barometric Pressure Circuit High	<ref. barometric="" cir-<br="" dtc="" en(h4so)(diag)-314,="" p2229="" pressure="" to="">CUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</ref.>