A: LIST

DTC	Item	Note
P0026	Intake Valve Control Solenoid Circuit Range/Performance (Bank 1)	<ref. control="" dtc="" en(h4so)(diag)-74,="" intake="" p0026="" sole-<br="" to="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0028	Intake Valve Control Solenoid Circuit Range/Performance (Bank 2)	<ref. control="" dtc="" en(h4so)(diag)-76,="" intake="" p0028="" sole-<br="" to="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h4so)(diag)-78,="" heater="" ho2s="" p0030="" to="">CUIT (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h4so)(diag)-80,="" heater="" ho2s="" p0031="" to="">CUIT LOW (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h4so)(diag)-83,="" heater="" ho2s="" p0032="" to="">CUIT HIGH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. cir-<br="" control="" dtc="" en(h4so)(diag)-85,="" heater="" ho2s="" p0037="" to="">CUIT LOW (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. cir-<br="" control="" dtc="" en(h4so)(diag)-88,="" heater="" ho2s="" p0038="" to="">CUIT HIGH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0068	MAP/MAF - Throttle Position Correla- tion	<ref. -="" dtc="" en(h4so)(diag)-90,="" maf="" map="" p0068="" posi-<br="" throttle="" to="">TION CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0076	Intake Valve Control Solenoid Circuit Low (Bank 1)	<ref. control="" dtc="" en(h4so)(diag)-92,="" intake="" p0076="" sole-<br="" to="" valve="">NOID CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0077	Intake Valve Control Solenoid Circuit High (Bank 1)	<ref. control="" dtc="" en(h4so)(diag)-94,="" intake="" p0077="" sole-<br="" to="" valve="">NOID CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0082	Intake Valve Control Solenoid Circuit Low (Bank 2)	<ref. control="" dtc="" en(h4so)(diag)-96,="" intake="" p0082="" sole-<br="" to="" valve="">NOID CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0083	Intake Valve Control Solenoid Circuit High (Bank 2)	<ref. control="" dtc="" en(h4so)(diag)-98,="" intake="" p0083="" sole-<br="" to="" valve="">NOID CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. air="" dtc="" en(h4so)(diag)-100,="" flow<br="" mass="" or="" p0101="" to="" volume="">CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h4so)(diag)-102,="" flow="" input,="" low="" mass="" or="" p0102="" procedure="" to="" trouble="" volume="" with=""></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. air="" dtc="" en(h4so)(diag)-105,="" flow<br="" mass="" or="" p0103="" to="" volume="">CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. absolute="" dtc="" en(h4so)(diag)-107,="" manifold="" p0107="" pres-<br="" to="">SURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC).></ref.>
P0108	Manifold Absolute Pressure/Baro- metric Pressure Circuit High Input	<ref. absolute="" dtc="" en(h4so)(diag)-110,="" manifold="" p0108="" pres-<br="" to="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC).></ref.>

ENGINE (DIAGNOSTICS)

DTC	Item	Note
P0111	Intake Air Temperature Sensor 1 Cir- cuit Range/Performance	<ref. air="" dtc="" en(h4so)(diag)-113,="" intake="" p0111="" temperature<br="" to="">SENSOR 1 CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0112	Intake Air Temperature Sensor 1 Cir- cuit Low	<ref. air="" dtc="" en(h4so)(diag)-115,="" intake="" p0112="" temperature<br="" to="">SENSOR 1 CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0113	Intake Air Temperature Sensor 1 Cir- cuit High	<ref. air="" dtc="" en(h4so)(diag)-117,="" intake="" p0113="" temperature<br="" to="">SENSOR 1 CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0117	Engine Coolant Temperature Circuit Low	<ref. coolant="" dtc="" en(h4so)(diag)-120,="" engine="" p0117="" tempera-<br="" to="">TURE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0118	Engine Coolant Temperature Circuit High	<ref. coolant="" dtc="" en(h4so)(diag)-122,="" engine="" p0118="" tempera-<br="" to="">TURE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low	<ref. dtc="" en(h4so)(diag)-125,="" p0122="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "A" CIRCUIT LOW, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High	<ref. dtc="" en(h4so)(diag)-127,="" p0123="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "A" CIRCUIT HIGH, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. coolant="" dtc="" en(h4so)(diag)-129,="" insufficient="" p0125="" tem-<br="" to="">PERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0126	Insufficient Engine Coolant Tempera- ture for Stable Operation	<ref. cool-<br="" dtc="" en(h4so)(diag)-131,="" engine="" insufficient="" p0126="" to="">ANT TEMPERATURE FOR STABLE OPERATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0128	Coolant Thermostat (Engine Coolant Temperature Below Thermostat Reg- ulating Temperature)	<ref. coolant="" dtc="" en(h4so)(diag)-133,="" p0128="" thermostat<br="" to="">(ENGINE COOLANT TEMPERATURE BELOW THERMOSTAT REGULAT- ING TEMPERATURE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0131	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h4so)(diag)-134,="" low<br="" o2="" p0131="" sensor="" to="">VOLTAGE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0132	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h4so)(diag)-136,="" high<br="" o2="" p0132="" sensor="" to="">VOLTAGE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0133	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h4so)(diag)-138,="" o2="" p0133="" sensor="" slow<br="" to="">RESPONSE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h4so)(diag)-140,="" no<br="" o2="" p0134="" sensor="" to="">ACTIVITY DETECTED (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0137	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. circuit="" dtc="" en(h4so)(diag)-142,="" low<br="" o2="" p0137="" sensor="" to="">VOLTAGE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0138	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ref. circuit="" dtc="" en(h4so)(diag)-145,="" high<br="" o2="" p0138="" sensor="" to="">VOLTAGE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0139	O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)	<ref. circuit="" dtc="" en(h4so)(diag)-148,="" o2="" p0139="" sensor="" slow<br="" to="">RESPONSE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0140	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 2)	<ref. circuit="" dtc="" en(h4so)(diag)-150,="" no<br="" o2="" p0140="" sensor="" to="">ACTIVITY DETECTED (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" 1),<br="" dtc="" en(h4so)(diag)-152,="" lean="" p0171="" system="" to="" too="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Note
P0172	System Too Rich (Bank 1)	<ref. (bank="" 1),<br="" dtc="" en(h4so)(diag)-153,="" p0172="" rich="" system="" to="" too="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. dtc="" en(h4so)(diag)-155,="" fuel="" p0181="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0182	Fuel Temperature Sensor "A" Circuit Low Input	<ref. dtc="" en(h4so)(diag)-157,="" fuel="" p0182="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. dtc="" en(h4so)(diag)-159,="" fuel="" p0183="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0196	Engine Oil Temperature Sensor Cir- cuit Range/Performance	<ref. dtc="" en(h4so)(diag)-162,="" engine="" oil="" p0196="" temperature<br="" to="">SENSOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0197	Engine Oil Temperature Sensor Low	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h4so)(diag)-164,="" engine="" low,="" oil="" p0197="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0198	Engine Oil Temperature Sensor High	<ref. dtc="" en(h4so)(diag)-166,="" engine="" oil="" p0198="" temperature<br="" to="">SENSOR HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low	<ref. dtc="" en(h4so)(diag)-168,="" p0222="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "B" CIRCUIT LOW, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High	<ref. dtc="" en(h4so)(diag)-170,="" p0223="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "B" CIRCUIT HIGH, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. 1="" cylinder="" dtc="" en(h4so)(diag)-172,="" misfire<br="" p0301="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. 2="" cylinder="" dtc="" en(h4so)(diag)-172,="" misfire<br="" p0302="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. 3="" cylinder="" dtc="" en(h4so)(diag)-172,="" misfire<br="" p0303="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. 4="" cylinder="" dtc="" en(h4so)(diag)-173,="" misfire<br="" p0304="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0327	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)	<ref. 1="" circuit<br="" dtc="" en(h4so)(diag)-179,="" knock="" p0327="" sensor="" to="">LOW (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0328	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)	<ref. 1="" circuit<br="" dtc="" en(h4so)(diag)-181,="" knock="" p0328="" sensor="" to="">HIGH (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0335	Crankshaft Position Sensor "A" Cir- cuit	<ref. crankshaft="" dtc="" en(h4so)(diag)-183,="" p0335="" position="" sen-<br="" to="">SOR "A" CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0336	Crankshaft Position Sensor "A" Cir- cuit Range/Performance	<ref. crankshaft="" dtc="" en(h4so)(diag)-185,="" p0336="" position="" sen-<br="" to="">SOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. camshaft="" dtc="" en(h4so)(diag)-187,="" p0340="" position="" sen-<br="" to="">SOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0341	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Sin- gle Sensor)	<ref. camshaft="" dtc="" en(h4so)(diag)-189,="" p0341="" position="" sen-<br="" to="">SOR "A" CIRCUIT RANGE/PERFORMANCE (BANK 1 OR SINGLE SEN- SOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0400	Exhaust Gas Recirculation Flow	<ref. dtc="" en(h4so)(diag)-192,="" exhaust="" gas="" p0400="" recircula-<br="" to="">TION FLOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. catalyst="" dtc="" effi-<br="" en(h4so)(diag)-195,="" p0420="" system="" to="">CIENCY BELOW THRESHOLD (BANK 1), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>

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DTC	Item	Note
P0442	Evaporative Emission Control Sys- tem Leak Detected (Small Leak)	<ref. dtc="" emission<br="" en(h4so)(diag)-199,="" evaporative="" p0442="" to="">CONTROL SYSTEM LEAK DETECTED (SMALL LEAK), Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0447	Evaporative Emission Control Sys- tem Vent Control Circuit Open	<ref. dtc="" emission<br="" en(h4so)(diag)-202,="" evaporative="" p0447="" to="">CONTROL SYSTEM VENT CONTROL CIRCUIT OPEN, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0448	Evaporative Emission Control Sys- tem Vent Control Circuit Shorted	<ref. dtc="" emission<br="" en(h4so)(diag)-204,="" evaporative="" p0448="" to="">CONTROL SYSTEM VENT CONTROL CIRCUIT SHORTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0451	Evaporative Emission Control Sys- tem Pressure Sensor	<ref. dtc="" emission<br="" en(h4so)(diag)-206,="" evaporative="" p0451="" to="">CONTROL SYSTEM PRESSURE SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0452	Evaporative Emission Control Sys- tem Pressure Sensor Low Input	<ref. dtc="" emission<br="" en(h4so)(diag)-208,="" evaporative="" p0452="" to="">CONTROL SYSTEM PRESSURE SENSOR LOW INPUT, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0453	Evaporative Emission Control Sys- tem Pressure Sensor High Input	<ref. dtc="" emission<br="" en(h4so)(diag)-211,="" evaporative="" p0453="" to="">CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0456	Evaporative Emission Control Sys- tem Leak Detected (Very Small Leak)	<ref. dtc="" emission<br="" en(h4so)(diag)-214,="" evaporative="" p0456="" to="">CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0457	Evaporative Emission Control Sys- tem Leak Detected (Fuel Cap Loose/ Off)	<ref. dtc="" emission<br="" en(h4so)(diag)-217,="" evaporative="" p0457="" to="">CONTROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF), Diag- nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0458	Evaporative Emission System Purge Control Valve Circuit Low	<ref. dtc="" emission="" en(h4so)(diag)-220,="" evaporative="" p0458="" sys-<br="" to="">TEM PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0459	Evaporative Emission System Purge Control Valve Circuit High	<ref. dtc="" emission="" en(h4so)(diag)-222,="" evaporative="" p0459="" sys-<br="" to="">TEM PURGE CONTROL VALVE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0461	Fuel Level Sensor "A" Circuit Range/ Performance	<ref. "a"="" cir-<br="" dtc="" en(h4so)(diag)-224,="" fuel="" level="" p0461="" sensor="" to="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0462	Fuel Level Sensor "A" Circuit Low	<ref. "a"="" cir-<br="" dtc="" en(h4so)(diag)-226,="" fuel="" level="" p0462="" sensor="" to="">CUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0463	Fuel Level Sensor "A" Circuit High	<ref. "a"="" cir-<br="" dtc="" en(h4so)(diag)-229,="" fuel="" level="" p0463="" sensor="" to="">CUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. circuit<br="" dtc="" en(h4so)(diag)-232,="" fuel="" level="" p0464="" sensor="" to="">INTERMITTENT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0483	Fan Rationality Check	<ref. check,<br="" dtc="" en(h4so)(diag)-234,="" fan="" p0483="" rationality="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0502	Vehicle Speed Sensor "A" Circuit Low Input	<ref. "a"<br="" dtc="" en(h4so)(diag)-234,="" p0502="" sensor="" speed="" to="" vehicle="">CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0503	Vehicle Speed Sensor "A" Intermit- tent/Erratic/High	<ref. "a"<br="" dtc="" en(h4so)(diag)-235,="" p0503="" sensor="" speed="" to="" vehicle="">INTERMITTENT/ERRATIC/HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0506	Idle Air Control System RPM Lower Than Expected	<ref. air="" control="" dtc="" en(h4so)(diag)-237,="" idle="" p0506="" system<br="" to="">RPM LOWER THAN EXPECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0507	Idle Air Control System RPM Higher Than Expected	<ref. air="" control="" dtc="" en(h4so)(diag)-239,="" idle="" p0507="" system<br="" to="">RPM HIGHER THAN EXPECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0512	Starter Request Circuit	<ref. circuit,<br="" dtc="" en(h4so)(diag)-241,="" p0512="" request="" starter="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Note
P0519	Idle Air Control System Performance	<ref. air="" control="" dtc="" en(h4so)(diag)-244,="" idle="" p0519="" system<br="" to="">PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0600	Serial Communication Link	<ref. (dtc).="" code="" communication="" diagnostic="" dtc="" en(h4so)(diag)-246,="" link,="" p0600="" procedure="" serial="" to="" trouble="" with=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" en(h4so)(diag)-248,="" internal="" module<br="" p0604="" to="">RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. control="" dtc="" en(h4so)(diag)-249,="" internal="" module<br="" p0605="" to="">READ ONLY MEMORY (ROM) ERROR, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0607	Control Module Performance	<ref. control="" dtc="" en(h4so)(diag)-250,="" module="" p0607="" perfor-<br="" to="">MANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0638	Throttle Actuator Control Range/Per- formance (Bank 1)	<ref. actuator="" con-<br="" dtc="" en(h4so)(diag)-251,="" p0638="" throttle="" to="">TROL RANGE/PERFORMANCE (BANK 1), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0691	Fan 1 Control Circuit Low	<ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h4so)(diag)-252,="" fan="" low,="" p0691="" procedure="" to="" trouble="" with=""></ref.>
P0692	Fan 1 Control Circuit High	<ref. 1="" circuit<br="" control="" dtc="" en(h4so)(diag)-253,="" fan="" p0692="" to="">HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0700	Transmission Control System (MIL Request)	<ref. control<br="" dtc="" en(h4so)(diag)-253,="" p0700="" to="" transmission="">SYSTEM (MIL REQUEST), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0851	Park/Neutral Switch Input Circuit Low (AT Model)	<ref. dtc="" en(h4so)(diag)-254,="" neutral="" p0851="" park="" switch<br="" to="">INPUT CIRCUIT LOW (AT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> or <ref. dtc="" en(h4so)(diag)-256,="" neu-<br="" p0851="" to="">TRAL SWITCH INPUT CIRCUIT LOW (MT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.></ref.>
P0852	Park/Neutral Switch Input Circuit High	<ref. dtc="" en(h4so)(diag)-258,="" neutral="" p0852="" park="" switch<br="" to="">INPUT CIRCUIT HIGH (AT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> or <ref. dtc="" en(h4so)(diag)-261,="" neu-<br="" p0852="" to="">TRAL SWITCH INPUT CIRCUIT HIGH (MT MODEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.></ref.>
P1152	O2 Sensor Circuit Range/Perfor- mance (Low) (Bank 1 Sensor 1)	<ref. <br="" circuit="" dtc="" en(h4so)(diag)-263,="" o2="" p1152="" range="" sensor="" to="">PERFORMANCE (LOW) (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1153	O2 Sensor Circuit Range/Perfor- mance (High) (Bank 1 Sensor 1)	<ref. <br="" circuit="" dtc="" en(h4so)(diag)-265,="" o2="" p1153="" range="" sensor="" to="">PERFORMANCE (HIGH) (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1160	Return Spring Failure	<ref. dtc="" en(h4so)(diag)-266,="" failure,<br="" p1160="" return="" spring="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1400	Fuel Tank Pressure Control Solenoid Valve Circuit Low	<ref. con-<br="" dtc="" en(h4so)(diag)-267,="" fuel="" p1400="" pressure="" tank="" to="">TROL SOLENOID VALVE CIRCUIT LOW, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. con-<br="" dtc="" en(h4so)(diag)-269,="" fuel="" p1420="" pressure="" tank="" to="">TROL SOL. VALVE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1443	Vent Control Solenoid Valve Function Problem	<ref. control="" dtc="" en(h4so)(diag)-271,="" p1443="" solenoid<br="" to="" vent="">VALVE FUNCTION PROBLEM, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P1491	Positive Crankcase Ventilation (Blow- by) Function Problem	<ref. crankcase="" dtc="" en(h4so)(diag)-273,="" p1491="" positive="" to="" venti-<br="">LATION (BLOW-BY) FUNCTION PROBLEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1492	EGR Solenoid Valve Signal #1 Cir- cuit Malfunction (Low Input)	<ref. dtc="" egr="" en(h4so)(diag)-274,="" p1492="" sig-<br="" solenoid="" to="" valve="">NAL #1 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

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DTC	Item	Note
P1493	EGR Solenoid Valve Signal #1 Cir- cuit Malfunction (High Input)	<ref. dtc="" egr="" en(h4so)(diag)-274,="" p1493="" sig-<br="" solenoid="" to="" valve="">NAL #1 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1494	EGR Solenoid Valve Signal #2 Cir- cuit Malfunction (Low Input)	<ref. dtc="" egr="" en(h4so)(diag)-274,="" p1494="" sig-<br="" solenoid="" to="" valve="">NAL #2 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1495	EGR Solenoid Valve Signal #2 Cir- cuit Malfunction (High Input)	<ref. dtc="" egr="" en(h4so)(diag)-275,="" p1495="" sig-<br="" solenoid="" to="" valve="">NAL #2 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1496	EGR Solenoid Valve Signal #3 Cir- cuit Malfunction (Low Input)	<ref. dtc="" egr="" en(h4so)(diag)-275,="" p1496="" sig-<br="" solenoid="" to="" valve="">NAL #3 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1497	EGR Solenoid Valve Signal #3 Cir- cuit Malfunction (High Input)	<ref. dtc="" egr="" en(h4so)(diag)-275,="" p1497="" sig-<br="" solenoid="" to="" valve="">NAL #3 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1498	EGR Solenoid Valve Signal #4 Cir- cuit Malfunction (Low Input)	<ref. dtc="" egr="" en(h4so)(diag)-276,="" p1498="" sig-<br="" solenoid="" to="" valve="">NAL #4 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1499	EGR Solenoid Valve Signal #4 Cir- cuit Malfunction (High Input)	<ref. dtc="" egr="" en(h4so)(diag)-279,="" p1499="" sig-<br="" solenoid="" to="" valve="">NAL #4 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1518	Starter Switch Circuit Low Input	<ref. circuit<br="" dtc="" en(h4so)(diag)-282,="" p1518="" starter="" switch="" to="">LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1560	Back-Up Voltage Circuit Malfunction	<ref. back-up="" circuit<br="" dtc="" en(h4so)(diag)-285,="" p1560="" to="" voltage="">MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1602	Control Module Programming Error	<ref. control="" dtc="" en(h4so)(diag)-287,="" module="" p1602="" pro-<br="" to="">GRAMMING ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. catalyst="" dtc="" en(h4so)(diag)-299,="" fuel="" p2096="" post="" to="" trim<br="">SYSTEM TOO LEAN BANK 1, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	<ref. catalyst="" dtc="" en(h4so)(diag)-305,="" fuel="" p2097="" post="" to="" trim<br="">SYSTEM TOO RICH BANK 1, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2101	Throttle Actuator Control Motor Cir- cuit Range/Performance	<ref. actuator="" con-<br="" dtc="" en(h4so)(diag)-311,="" p2101="" throttle="" to="">TROL MOTOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2102	Throttle Actuator Control Motor Cir- cuit Low	<ref. actuator="" con-<br="" dtc="" en(h4so)(diag)-317,="" p2102="" throttle="" to="">TROL MOTOR CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P2103	Throttle Actuator Control Motor Cir- cuit High	<ref. actuator="" con-<br="" dtc="" en(h4so)(diag)-319,="" p2103="" throttle="" to="">TROL MOTOR CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	<ref. dtc="" en(h4so)(diag)-320,="" p2109="" pedal="" position<br="" throttle="" to="">SENSOR "A" MINIMUM STOP PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. dtc="" en(h4so)(diag)-321,="" p2122="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "D" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. dtc="" en(h4so)(diag)-323,="" p2123="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. dtc="" en(h4so)(diag)-325,="" p2127="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "E" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Note
P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. dtc="" en(h4so)(diag)-327,="" p2128="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation	<ref. dtc="" en(h4so)(diag)-329,="" p2135="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "A"/"B" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation	<ref. dtc="" en(h4so)(diag)-332,="" p2138="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "D"/"E" VOLTAGE CORRELATION, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P2227	Barometric Pressure Circuit Range/ Performance	<ref. barometric="" cir-<br="" dtc="" en(h4so)(diag)-335,="" p2227="" pressure="" to="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P2228	Barometric Pressure Circuit Low	<ref. barometric="" cir-<br="" dtc="" en(h4so)(diag)-335,="" p2228="" pressure="" to="">CUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2229	Barometric Pressure Circuit High	<ref. barometric="" cir-<br="" dtc="" en(h4so)(diag)-336,="" p2229="" pressure="" to="">CUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>