GENERAL DESCRIPTION

1. List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Index
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" gd(h4so)-8,="" heater="" ho2s="" p0030="" to="">(BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" gd(h4so)-10,="" heater="" ho2s="" p0031="" to="">LOW (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" gd(h4so)-12,="" heater="" ho2s="" p0032="" to="">HIGH (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. circuit<br="" control="" dtc="" gd(h4so)-14,="" heater="" ho2s="" p0037="" to="">LOW (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. circuit<br="" control="" dtc="" gd(h4so)-16,="" heater="" ho2s="" p0038="" to="">HIGH (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0068	Manifold Absolute Pressure/Baro- metric Pressure Circuit Range/Per- formance	<ref. dtc="" gd(h4so)-18,="" manifold="" p0068="" pressure="" sensor<br="" to="">RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. air="" cir-<br="" dtc="" flow="" gd(h4so)-20,="" mass="" or="" p0101="" to="" volume="">CUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. air="" cir-<br="" dtc="" flow="" gd(h4so)-23,="" mass="" or="" p0102="" to="" volume="">CUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. air="" cir-<br="" dtc="" flow="" gd(h4so)-25,="" mass="" or="" p0103="" to="" volume="">CUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. <br="" absolute="" dtc="" gd(h4so)-27,="" manifold="" p0107="" pressure="" to="">BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0108	Manifold Absolute Pressure/Baro- metric Pressure Circuit High Input	<ref. <br="" absolute="" dtc="" gd(h4so)-29,="" manifold="" p0108="" pressure="" to="">BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0111	Intake Air Temperature Circuit Range/Performance	<ref. air="" circuit<br="" dtc="" gd(h4so)-31,="" intake="" p0111="" temperature="" to="">RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0112	Intake Air Temperature Circuit Low Input	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-33,="" input,="" intake="" low="" p0112="" temperature="" to="" trouble=""></ref.>
P0113	Intake Air Temperature Circuit High Input	<ref. air="" circuit<br="" dtc="" gd(h4so)-35,="" intake="" p0113="" temperature="" to="">HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0117	Engine Coolant Temperature Circuit Low Input	<ref. coolant="" dtc="" engine="" gd(h4so)-37,="" p0117="" temperature<br="" to="">CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0118	Engine Coolant Temperature Circuit High Input	<ref. coolant="" dtc="" engine="" gd(h4so)-39,="" p0118="" temperature<br="" to="">CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low Input	<ref. dtc="" gd(h4so)-41,="" p0122="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "A" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High Input	<ref. dtc="" gd(h4so)-43,="" p0123="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "A" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. coolant="" dtc="" gd(h4so)-45,="" insufficient="" p0125="" tempera-<br="" to="">TURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0126	Insufficient Coolant Temperature for Stable Operation	<ref. coolant="" dtc="" gd(h4so)-47,="" insufficient="" p0126="" tempera-<br="" to="">TURE FOR STABLE OPERATION, Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>

GD(H4SO)-2

List of Diagnostic Trouble Code (DTC)

DTC	Item	Index
P0128	Coolant Thermostat (Coolant Tem- perature Below Thermostat Regulat- ing Temperature)	<ref. (coolant<br="" coolant="" dtc="" gd(h4so)-49,="" p0128="" thermostat="" to="">TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0131	O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-51,="" o<sub="" p0131="" to="">2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0132	O ₂ Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-53,="" o<sub="" p0132="" to="">2 SENSOR CIRCUIT HIGH VOLT- AGE (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0133	O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-55,="" o<sub="" p0133="" to="">2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0134	O ₂ Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-58,="" o<sub="" p0134="" to="">2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0137	O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. dtc="" gd(h4so)-60,="" o<sub="" p0137="" to="">2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0138	O ₂ Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ref. dtc="" gd(h4so)-62,="" o<sub="" p0138="" to="">2 SENSOR CIRCUIT HIGH VOLT- AGE (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0139	O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 2)	<ref. dtc="" gd(h4so)-64,="" o<sub="" p0139="" to="">2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0171	System too Lean (Bank 1)	<ref. (bank="" (dtc)="" 1),="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-69,="" lean="" p0171="" system="" to="" too="" trouble=""></ref.>
P0172	System too Rich (Bank 1)	<ref. (bank="" 1),="" diag-<br="" dtc="" gd(h4so)-71,="" p0172="" rich="" system="" to="" too="">nostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. "a"<br="" dtc="" fuel="" gd(h4so)-73,="" p0181="" sensor="" temperature="" to="">CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0182	Fuel Temperature Sensor "A" Circuit Low Input	<ref. "a"<br="" dtc="" fuel="" gd(h4so)-76,="" p0182="" sensor="" temperature="" to="">CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. "a"<br="" dtc="" fuel="" gd(h4so)-78,="" p0183="" sensor="" temperature="" to="">CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low Input	<ref. dtc="" gd(h4so)-80,="" p0222="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "B" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High Input	<ref. dtc="" gd(h4so)-82,="" p0223="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "B" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0301	Cylinder 1 misfire detected	<ref. 1="" cylinder="" detected,<br="" dtc="" gd(h4so)-84,="" misfire="" p0301="" to="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0302	Cylinder 2 misfire detected	<ref. 2="" cylinder="" detected,<br="" dtc="" gd(h4so)-89,="" misfire="" p0302="" to="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0303	Cylinder 3 misfire detected	<ref. 3="" cylinder="" detected,<br="" dtc="" gd(h4so)-89,="" misfire="" p0303="" to="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0304	Cylinder 4 misfire detected	<ref. 4="" cylinder="" detected,<br="" dtc="" gd(h4so)-89,="" misfire="" p0304="" to="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0327	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)	<ref. 1="" circuit="" dtc="" gd(h4so)-90,="" knock="" low<br="" p0327="" sensor="" to="">INPUT (BANK 1 OR SINGLE SENSOR), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)	<ref. 1="" circuit="" dtc="" gd(h4so)-92,="" high<br="" knock="" p0328="" sensor="" to="">INPUT (BANK 1 OR SINGLE SENSOR), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0335	Crankshaft Position Sensor "A" Cir- cuit	<ref. crankshaft="" dtc="" gd(h4so)-94,="" p0335="" position="" sensor<br="" to="">"A" CIRCUIT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

DTC	Item	Index
P0336	Crankshaft Position Sensor "A" Cir- cuit Range/Performance	<ref. crankshaft="" dtc="" gd(h4so)-96,="" p0336="" position="" sensor<br="" to="">"A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. "a"<br="" camshaft="" dtc="" gd(h4so)-98,="" p0340="" position="" sensor="" to="">CIRCUIT (BANK 1 OR SINGLE SENSOR), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0341	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Sin- gle Sensor)	<ref. "a"<br="" camshaft="" dtc="" gd(h4so)-100,="" p0341="" position="" sensor="" to="">CIRCUIT RANGE/PERFORMANCE (BANK 1 OR SINGLE SENSOR), Diag- nostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0400	Exhaust Gas Recirculation Flow	<ref. dtc="" exhaust="" gas="" gd(h4so)-102,="" p0400="" recirculation<br="" to="">FLOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. catalyst="" dtc="" efficiency<br="" gd(h4so)-106,="" p0420="" system="" to="">BELOW THRESHOLD (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0442	Evaporative Emission Control Sys- tem Leak Detected (small leak)	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-109,="" p0442="" to="">TROL SYSTEM LEAK DETECTED (SMALL LEAK), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0447	Evaporative Emission Control Sys- tem Vent Control Circuit Open	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-123,="" p0447="" to="">TROL SYSTEM VENT CONTROL CIRCUIT OPEN, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0448	Evaporative Emission Control Sys- tem Vent Control Circuit Shorted	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-125,="" p0448="" to="">TROL SYSTEM VENT CONTROL CIRCUIT SHORTED, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0451	Evaporative Emission Control Sys- tem Pressure Sensor Range/Perfor- mance	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-127,="" p0451="" to="">TROL SYSTEM PRESSURE SENSOR RANGE/PERFORMANCE, Diagnos- tic Trouble Code (DTC) Detecting Criteria.></ref.>
P0452	Evaporative Emission Control Sys- tem Pressure Sensor Low Input	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-129,="" p0452="" to="">TROL SYSTEM PRESSURE SENSOR LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0453	Evaporative Emission Control Sys- tem Pressure Sensor High Input	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-131,="" p0453="" to="">TROL SYSTEM PRESSURE SENSOR HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0456	Evaporative Emission Control Sys- tem Leak Detected (very small leak)	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-132,="" p0456="" to="">TROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Trou- ble Code (DTC) Detecting Criteria.></ref.>
P0457	Evaporative Emission Control Sys- tem Leak Detected (fuel cap loose/ off)	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-132,="" p0457="" to="">TROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0458	Evaporative Emission Control Sys- tem Purge Control Valve Circuit Low	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-133,="" p0458="" to="">TROL SYSTEM PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0459	Evaporative Emission Control Sys- tem Purge Control Valve Circuit High	<ref. con-<br="" dtc="" emission="" evaporative="" gd(h4so)-135,="" p0459="" to="">TROL SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0461	Fuel Level Sensor Circuit Range/Per- formance	<ref. circuit<br="" dtc="" fuel="" gd(h4so)-137,="" level="" p0461="" sensor="" to="">RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0462	Fuel Level Sensor Circuit Low Input	<ref. circuit<br="" dtc="" fuel="" gd(h4so)-139,="" level="" p0462="" sensor="" to="">LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0463	Fuel Level Sensor Circuit High Input	<ref. circuit<br="" dtc="" fuel="" gd(h4so)-141,="" level="" p0463="" sensor="" to="">HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. circuit<br="" dtc="" fuel="" gd(h4so)-143,="" level="" p0464="" sensor="" to="">INTERMITTENT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0483	Cooling Fan Rationality Check	<ref. cooling="" dtc="" fan="" gd(h4so)-146,="" p0483="" rationality<br="" to="">CHECK, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0502	Vehicle Speed Sensor Circuit Low Input	<ref. circuit<br="" dtc="" gd(h4so)-147,="" p0502="" sensor="" speed="" to="" vehicle="">LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

GD(H4SO)-4

DTC	Item	Index
P0503	Vehicle Speed Sensor Intermittent/ Erratic/High	<ref. dtc="" gd(h4so)-149,="" inter-<br="" p0503="" sensor="" speed="" to="" vehicle="">MITTENT/ERRATIC/HIGH, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0506	Idle Control System RPM Lower Than Expected	<ref. control="" dtc="" gd(h4so)-151,="" idle="" p0506="" rpm<br="" system="" to="">LOWER THAN EXPECTED, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0507	Idle Control System RPM Higher Than Expected	<ref. control="" dtc="" gd(h4so)-153,="" idle="" p0507="" rpm<br="" system="" to="">HIGHER THAN EXPECTED, Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P0512	Starter Request Circuit	<ref. (dtc)="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-155,="" p0512="" request="" starter="" to="" trouble=""></ref.>
P0519	Idle Control System Malfunction (Fail-Safe)	<ref. control="" dtc="" gd(h4so)-156,="" idle="" malfunc-<br="" p0519="" system="" to="">TION (FAIL-SAFE), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0600	Serial Communication Link	<ref. communication="" dtc="" gd(h4so)-157,="" link,<br="" p0600="" serial="" to="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" gd(h4so)-158,="" internal="" module<br="" p0604="" to="">RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. control="" dtc="" gd(h4so)-160,="" internal="" module<br="" p0605="" to="">READ ONLY MEMORY (ROM) ERROR, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0607	Control Module Performance	<ref. control="" dtc="" gd(h4so)-161,="" module="" p0607="" perfor-<br="" to="">MANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0638	Throttle Actuator Control Range/Per- formance (Bank 1)	<ref. actuator="" control<br="" dtc="" gd(h4so)-164,="" p0638="" throttle="" to="">RANGE/PERFORMANCE (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0691	Cooling Fan 1 Control Circuit Low	<ref. 1="" circuit<br="" control="" cooling="" dtc="" fan="" gd(h4so)-167,="" p0691="" to="">LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0692	Cooling Fan 1 Control Circuit High	<ref. 1="" circuit<br="" control="" cooling="" dtc="" fan="" gd(h4so)-168,="" p0692="" to="">HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0700	AT MIL Light up Request	<ref. control="" dtc="" gd(h4so)-169,="" p0700="" system<br="" to="" transmission="">(MIL REQUEST), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0851	Neutral Switch Input Circuit Low	<ref. (dtc)="" (mt="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-171,="" input="" low="" model),="" neutral="" p0851="" switch="" to="" trouble=""></ref.>
P0852	Neutral Switch Input Circuit High	<ref. circuit<br="" dtc="" gd(h4so)-172,="" input="" neutral="" p0852="" switch="" to="">HIGH (AT MODEL), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1152	O ₂ Sensor Circuit Range/Perfor- mance (Low) (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-174,="" o<sub="" p1152="" to="">2 SENSOR CIRCUIT RANGE/PER- FORMANCE (LOW) (BANK1 SENSOR1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1153	O ₂ Sensor Circuit Range/Perfor- mance (High) (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-177,="" o<sub="" p1153="" to="">2 SENSOR CIRCUIT RANGE/PER- FORMANCE (HIGH) (BANK1 SENSOR1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1160	Return Spring Failure	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" failure,="" gd(h4so)-180,="" p1160="" return="" spring="" to="" trouble=""></ref.>
P1400	Fuel Tank Pressure Control Solenoid Valve Circuit Low	<ref. control<br="" dtc="" fuel="" gd(h4so)-182,="" p1400="" pressure="" tank="" to="">SOLENOID VALVE CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. control<br="" dtc="" fuel="" gd(h4so)-184,="" p1420="" pressure="" tank="" to="">SOL. VALVE CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P1443	Vent Control Solenoid Valve Function Problem	<ref. control="" dtc="" gd(h4so)-186,="" p1443="" solenoid="" to="" valve<br="" vent="">FUNCTION PROBLEM, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1446	Fuel Tank Sensor Control Valve Cir- cuit Low	<ref. control<br="" dtc="" fuel="" gd(h4so)-188,="" p1446="" sensor="" tank="" to="">VALVE CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1447	Fuel Tank Sensor Control Valve Cir- cuit High	<ref. control<br="" dtc="" fuel="" gd(h4so)-190,="" p1447="" sensor="" tank="" to="">VALVE CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

List of Diagnostic Trouble Code (DTC)

GENERAL DESCRIPTION

DTC	Item	Index
P1492	EGR Solenoid Valve Signal #1 Cir- cuit Malfunction (Low Input)	<ref. #1<br="" dtc="" egr="" gd(h4so)-192,="" p1492="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1493	EGR Solenoid Valve Signal #1 Cir- cuit Malfunction (High Input)	<ref. #1<br="" dtc="" egr="" gd(h4so)-194,="" p1493="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1494	EGR Solenoid Valve Signal #2 Cir- cuit Malfunction (Low Input)	<ref. #2<br="" dtc="" egr="" gd(h4so)-196,="" p1494="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1495	EGR Solenoid Valve Signal #2 Cir- cuit Malfunction (High Input)	<ref. #2<br="" dtc="" egr="" gd(h4so)-198,="" p1495="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1496	EGR Solenoid Valve Signal #3 Cir- cuit Malfunction (Low Input)	<ref. #3<br="" dtc="" egr="" gd(h4so)-200,="" p1496="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1497	EGR Solenoid Valve Signal #3 Cir- cuit Malfunction (High Input)	<ref. #3<br="" dtc="" egr="" gd(h4so)-202,="" p1497="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1498	EGR Solenoid Valve Signal #4 Cir- cuit Malfunction (Low Input)	<ref. #4<br="" dtc="" egr="" gd(h4so)-204,="" p1498="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1499	EGR Solenoid Valve Signal #4 Cir- cuit Malfunction (High Input)	<ref. #4<br="" dtc="" egr="" gd(h4so)-206,="" p1499="" signal="" solenoid="" to="" valve="">CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1518	Starter Switch Circuit Low Input	<ref. circuit="" dtc="" gd(h4so)-208,="" low<br="" p1518="" starter="" switch="" to="">INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1560	Back-Up Voltage Circuit Malfunction	<ref. back-up="" circuit="" dtc="" gd(h4so)-209,="" mal-<br="" p1560="" to="" voltage="">FUNCTION, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. catalyst="" dtc="" fuel="" gd(h4so)-210,="" p2096="" post="" sys-<br="" to="" trim="">TEM TOO LEAN BANK 1, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	<ref. catalyst="" dtc="" fuel="" gd(h4so)-212,="" p2097="" post="" sys-<br="" to="" trim="">TEM TOO RICH BANK 1, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P2101	Throttle Actuator Control Motor Cir- cuit Range/Performance	<ref. actuator="" control<br="" dtc="" gd(h4so)-214,="" p2101="" throttle="" to="">MOTOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2102	Throttle Actuator Control Motor Cir- cuit Low	<ref. actuator="" control<br="" dtc="" gd(h4so)-216,="" p2102="" throttle="" to="">MOTOR CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2103	Throttle Actuator Control Motor Cir- cuit High	<ref. actuator="" control<br="" dtc="" gd(h4so)-218,="" p2103="" throttle="" to="">MOTOR CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P2109	Throttle/Pedal Position Sensor A Minimum Stop Performance	<ref. angle="" dtc="" gd(h4so)-220,="" p2109="" sensor<br="" throttle="" to="">CLOSED POSITION ERROR, Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. dtc="" gd(h4so)-222,="" p2122="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. dtc="" gd(h4so)-224,="" p2123="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. dtc="" gd(h4so)-226,="" p2127="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "E" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. dtc="" gd(h4so)-228,="" p2128="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

GD(H4SO)-6

DTC	ltem	Index
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Rationality	<ref. dtc="" gd(h4so)-230,="" p2135="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "A" / "B" VOLTAGE RATIONALITY, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Rationality	<ref. dtc="" gd(h4so)-232,="" p2138="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D" / "E" VOLTAGE RATIONALITY, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2227	Atmospheric Pressure Sensor Circuit Range/Performance	<ref. barometric="" dtc="" gd(h4so)-234,="" p2227="" pressure="" to="" too<br="">LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2228	Atmospheric Pressure Sensor Circuit Malfunction (Low Input)	<ref. atmospheric="" dtc="" gd(h4so)-235,="" p2228="" pressure="" sen-<br="" to="">SOR CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2229	Atmospheric Pressure Sensor Circuit Malfunction (High Input)	<ref. atmospheric="" dtc="" gd(h4so)-236,="" p2229="" pressure="" sen-<br="" to="">SOR CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>