1. List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Description	Index
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-9,="" heater="" ho2s="" p0030="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" gd(h4dotc)-11,="" heater="" ho2s="" p0031="" to="" —="">CUIT LOW (BANK 1 SENSOR 1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" gd(h4dotc)-13,="" heater="" ho2s="" p0032="" to="" —="">CUIT HIGH (BANK 1 SENSOR 1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. cir-<br="" control="" dtc="" gd(h4dotc)-15,="" heater="" ho2s="" p0037="" to="" —="">CUIT LOW (BANK 1 SENSOR 2) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. cir-<br="" control="" dtc="" gd(h4dotc)-17,="" heater="" ho2s="" p0038="" to="" —="">CUIT HIGH (BANK 1 SENSOR 2) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0068	Manifold Pressure Sensor Range/ Performance	<ref. dtc="" gd(h4dotc)-19,="" manifold="" p0068="" pressure="" sen-<br="" to="" —="">SOR RANGE/PERFORMANCE —, Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(h4dotc)-21,="" mass="" or="" p0101="" performance="" range="" to="" trouble="" volume="" —="" —,=""></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(h4dotc)-24,="" input="" low="" mass="" or="" p0102="" to="" trouble="" volume="" —="" —,=""></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(h4dotc)-26,="" high="" input="" mass="" or="" p0103="" to="" trouble="" volume="" —="" —,=""></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. absolute="" dtc="" gd(h4dotc)-28,="" manifold="" p0107="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0108	Manifold Absolute Pressure/Baro- metric Pressure Circuit High Input	<ref. absolute="" dtc="" gd(h4dotc)-30,="" manifold="" p0108="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0111	Intake Air Temperature Circuit Range/Performance	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-32,="" intake="" p0111="" performance="" range="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0112	Intake Air Temperature Circuit Low Input	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-34,="" input="" intake="" low="" p0112="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0113	Intake Air Temperature Circuit High Input	<ref. air="" dtc="" gd(h4dotc)-36,="" intake="" p0113="" temperature<br="" to="" —="">CIRCUIT HIGH INPUT —, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0117	Engine Coolant Temperature Circuit Low Input	<ref. (dtc)="" circuit="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4dotc)-38,="" input="" low="" p0117="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0118	Engine Coolant Temperature Circuit High Input	<ref. (dtc)="" circuit="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4dotc)-40,="" high="" input="" p0118="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0121	Throttle/Pedal Position Sensor/ Switch "A" Circuit Range/Perfor- mance	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-42,="" p0121="" pedal="" performance="" position="" range="" sensor="" switch="" throttle="" to="" trouble="" —="" —,=""></ref.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low Input	<ref. dtc="" gd(h4dotc)-45,="" p0122="" pedal="" position<br="" throttle="" to="" —="">SENSOR/SWITCH "A" CIRCUIT LOW INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

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P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High Input	<ref. dtc="" gd(h4dotc)-47,="" p0123="" pedal="" position<br="" throttle="" to="" —="">SENSOR/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(h4dotc)-49,="" insufficient="" p0125="" tem-<br="" to="" —="">PERATURE FOR CLOSED LOOP FUEL CONTROL —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0128	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)	<ref. coolant="" dtc="" gd(h4dotc)-51,="" p0128="" thermostat<br="" to="" —="">(COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEM- PERATURE) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0129	Barometric Pressure Too Low	<ref. (dtc)="" barometric="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-53,="" low="" p0129="" pressure="" to="" too="" trouble="" —="" —,=""></ref.>
P0130	O ₂ Sensor Circuit (Bank 1 Sensor 1)	<ref. dtc="" gd(h4dotc)-54,="" o<sub="" p0130="" to="" —="">2 SENSOR CIRCUIT (BANK 1 SENSOR 1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0133	O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. dtc="" gd(h4dotc)-56,="" o<sub="" p0133="" to="" —="">2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0134	O ₂ Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. dtc="" gd(h4dotc)-59,="" o<sub="" p0134="" to="" —="">2 SENSOR CIRCUIT NO ACTIVITY DETECTED (BANK 1 SENSOR 1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0137	O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. <math="" dtc="" gd(h4dotc)-61,="" p0137="" to="" —="">O_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. <math="" dtc="" gd(h4dotc)-64,="" p0138="" to="" —="">{\rm O_2} SENSOR CIRCUIT HIGH VOLTAGE (BANK 1 SENSOR 2) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0139	O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 2)	<ref. dtc="" gd(h4dotc)-66,="" o<sub="" p0139="" to="" —="">2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 2) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" (dtc)="" 1)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-69,="" lean="" p0171="" system="" to="" too="" trouble="" —="" —,=""></ref.>
P0172	System Too Rich (Bank 1)	<ref. (bank="" (dtc)="" ,="" 1)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-72,="" p0172="" rich="" system="" to="" too="" trouble="" —=""></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. dtc="" fuel="" gd(h4dotc)-75,="" p0181="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0182	Fuel Temperature Sensor "A" Circuit Low Input	<ref. dtc="" fuel="" gd(h4dotc)-78,="" p0182="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT LOW INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. dtc="" fuel="" gd(h4dotc)-80,="" p0183="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT HIGH INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0230	Fuel Pump Primary Circuit	<ref. (dtc)="" at="" code="" criteria.="" detecting="" diagnostic="" dtc="" ecm="" gd(h4dotc)-83,="" operating="" setting,="" to="" trouble=""></ref.>
P0244	Turbo/Super Charger Wastegate Solenoid "A" Range/Performance	<ref. "a"="" (dtc)="" charger="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-84,="" p0244="" performance="" range="" solenoid="" super="" to="" trouble="" turbo="" wastegate="" —="" —,=""></ref.>
P0245	Turbo/Super Charger Wastegate Solenoid "A" Low	<ref. "a"="" (dtc)="" charger="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-86,="" low="" p0245="" solenoid="" super="" to="" trouble="" turbo="" wastegate="" —="" —,=""></ref.>
P0246	Turbo/Super Charger Wastegate Solenoid "A" High	<ref. "a"="" (dtc)="" charger="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-88,="" high="" p0246="" solenoid="" super="" to="" trouble="" turbo="" wastegate="" —="" —,=""></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. (dtc)="" 1="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4dotc)-90,="" misfire="" p0301="" to="" trouble="" —="" —,=""></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc)="" 2="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4dotc)-97,="" misfire="" p0302="" to="" trouble="" —="" —,=""></ref.>

DTC	Description	Index
P0303	Cylinder 3 Misfire Detected	<ref. (dtc)="" 3="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4dotc)-97,="" misfire="" p0303="" to="" trouble="" —="" —,=""></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. (dtc)="" 4="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4dotc)-97,="" misfire="" p0304="" to="" trouble="" —="" —,=""></ref.>
P0327	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)	<ref. (bank="" (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-98,="" input="" knock="" low="" or="" p0327="" sensor="" sensor)="" single="" to="" trouble="" —="" —,=""></ref.>
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)	<ref. (bank="" (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-100,="" high="" input="" knock="" or="" p0328="" sensor="" sensor)="" single="" to="" trouble="" —="" —,=""></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. crankshaft="" dtc="" gd(h4dotc)-102,="" p0335="" position="" sen-<br="" to="" —="">SOR "A" CIRCUIT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. crankshaft="" dtc="" gd(h4dotc)-104,="" p0336="" position="" sen-<br="" to="" —="">SOR "A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. camshaft="" dtc="" gd(h4dotc)-106,="" p0340="" position="" sen-<br="" to="" —="">SOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0341	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Single Sensor)	<ref. (dtc)="" at="" code="" criteria.="" detecting="" diagnostic="" dtc="" ecm="" gd(h4dotc)-111,="" operating="" setting,="" to="" trouble=""></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. catalyst="" dtc="" effi-<br="" gd(h4dotc)-112,="" p0420="" system="" to="" —="">CIENCY BELOW THRESHOLD (BANK 1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0442	Evaporative Emission Control System Leak Detected (Small Leak)	<ref. (dtc)="" (small="" code="" control="" criteria.="" detected="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-115,="" leak="" leak)="" p0442="" system="" to="" trouble="" —="" —,=""></ref.>
P0447	Evaporative Emission Control System Vent Control Circuit Open	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-138,="" open="" p0447="" system="" to="" trouble="" vent="" —="" —,=""></ref.>
P0448	Evaporative Emission Control System Vent Control Circuit Shorted	<ref. dtc="" emission<br="" evaporative="" gd(h4dotc)-140,="" p0448="" to="" —="">CONTROL SYSTEM VENT CONTROL CIRCUIT SHORTED —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0451	Evaporative Emission Control System Pressure Sensor Range/Performance	<ref. dtc="" emission<br="" evaporative="" gd(h4dotc)-142,="" p0451="" to="" —="">CONTROL SYSTEM PRESSURE SENSOR RANGE/PERFORMANCE —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0452	Evaporative Emission Control System Pressure Sensor Low Input	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-144,="" input="" low="" p0452="" pressure="" sensor="" system="" to="" trouble="" —="" —,=""></ref.>
P0453	Evaporative Emission Control System Pressure Sensor High Input	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-146,="" high="" input="" p0453="" pressure="" sensor="" system="" to="" trouble="" —="" —,=""></ref.>
P0456	Evaporative Emission Control System Leak Detected (Very Small Leak)	<ref. (dtc)="" (very="" code="" control="" criteria.="" detected="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-148,="" leak="" leak)="" p0456="" small="" system="" to="" trouble="" —="" —,=""></ref.>
P0457	Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off)	<ref. (dtc)="" (fuel="" cap="" code="" control="" criteria.="" detected="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-148,="" leak="" loose="" off)="" p0457="" system="" to="" trouble="" —="" —,=""></ref.>
P0458	Evaporative Emission Control System Purge Control Valve Circuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-149,="" low="" p0458="" purge="" system="" to="" trouble="" valve="" —="" —,=""></ref.>
P0459	Evaporative Emission Control System Purge Control Valve Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4dotc)-151,="" high="" p0459="" purge="" system="" to="" trouble="" valve="" —="" —,=""></ref.>
P0461	Fuel Level Sensor Circuit Range/ Performance	<ref. (dtc)="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-153,="" level="" p0461="" performance="" range="" sensor="" to="" trouble="" —="" —,=""></ref.>

DTC	Description	Index
P0462	Fuel Level Sensor Circuit Low Input	<ref. cir-<br="" dtc="" fuel="" gd(h4dotc)-155,="" level="" p0462="" sensor="" to="" —="">CUIT LOW INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0463	Fuel Level Sensor Circuit High Input	<ref. cir-<br="" dtc="" fuel="" gd(h4dotc)-157,="" level="" p0463="" sensor="" to="" —="">CUIT HIGH INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. (dtc)="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-159,="" intermittent="" level="" p0464="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0483	Cooling Fan Rationality Check	<ref. (dtc)="" check="" code="" cooling="" criteria.="" detecting="" diagnostic="" dtc="" fan="" gd(h4dotc)-162,="" p0483="" rationality="" to="" trouble="" —="" —,=""></ref.>
P0502	Vehicle Speed Sensor Circuit Low Input	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-164,="" input="" low="" p0502="" sensor="" speed="" to="" trouble="" vehicle="" —="" —,=""></ref.>
P0503	Vehicle Speed Sensor Intermittent/ Erratic/High	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" erratic="" gd(h4dotc)-165,="" high="" intermittent="" p0503="" sensor="" speed="" to="" trouble="" vehicle="" —="" —,=""></ref.>
P0506	Idle Control System Rpm Lower Than Expected	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" expected="" gd(h4dotc)-166,="" idle="" lower="" p0506="" rpm="" system="" than="" to="" trouble="" —="" —,=""></ref.>
P0507	Idle Control System Rpm Higher Than Expected	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" expected="" gd(h4dotc)-168,="" higher="" idle="" p0507="" rpm="" system="" than="" to="" trouble="" —="" —,=""></ref.>
P0508	Idle Control System Circuit Low	<ref. cir-<br="" control="" dtc="" gd(h4dotc)-170,="" idle="" p0508="" system="" to="" —="">CUIT LOW —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0509	Idle Control System Circuit High	<ref. cir-<br="" control="" dtc="" gd(h4dotc)-172,="" idle="" p0509="" system="" to="" —="">CUIT HIGH —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0512	Starter Request Circuit	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-174,="" p0512="" request="" starter="" to="" trouble="" —="" —,=""></ref.>
P0519	Idle Control System Malfunction (Fail-Safe)	<ref. (dtc)="" (fail-safe)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-175,="" idle="" mal-function="" p0519="" system="" to="" trouble="" —="" —,=""></ref.>
P0545	Exhaust Gas Temperature Sensor Circuit Low-Bank 1	<ref. dtc="" exhaust="" gas="" gd(h4dotc)-177,="" p0545="" tempera-<br="" to="" —="">TURE SENSOR CIRCUIT LOW-BANK 1 —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0546	Exhaust Gas Temperature Sensor Circuit High-Bank 1	<ref. (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" exhaust="" gas="" gd(h4dotc)-179,="" high-bank="" p0546="" sensor="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0565	Cruise Control ON Signal	<ref. (dtc)="" code="" control="" criteria.="" cruise="" detecting="" diagnostic="" dtc="" gd(h4dotc)-181,="" on="" p0565="" signal="" to="" trouble="" —="" —,=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" gd(h4dotc)-182,="" internal="" mod-<br="" p0604="" to="" —="">ULE RANDOM ACCESS MEMORY (RAM) ERROR —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0691	Cooling Fan 1 Control Circuit Low	<ref. (dtc)="" 1="" circuit="" code="" control="" cooling="" criteria.="" detecting="" diagnostic="" dtc="" fan="" gd(h4dotc)-183,="" low="" p0691="" to="" trouble="" —="" —,=""></ref.>
P0692	Cooling Fan 1 Control Circuit High	<ref. (dtc)="" 1="" circuit="" code="" control="" cooling="" criteria.="" detecting="" diagnostic="" dtc="" fan="" gd(h4dotc)-184,="" high="" p0692="" to="" trouble="" —="" —,=""></ref.>
P0703	Torque Converter/Brake Switch "B" Circuit	<ref. "b"="" (dtc)="" brake="" circuit="" code="" converter="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-185,="" p0703="" switch="" to="" torque="" trouble="" —="" —,=""></ref.>
P0705	Transmission Range Sensor Circuit (PRNDL Input)	<ref. dtc="" gd(h4dotc)-186,="" p0705="" range="" sen-<br="" to="" transmission="" —="">SOR CIRCUIT (PRNDL INPUT) —, Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0710	Transmission Fluid Temperature Sensor Circuit	<ref. dtc="" fluid="" gd(h4dotc)-187,="" p0710="" tem-<br="" to="" transmission="" —="">PERATURE SENSOR CIRCUIT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0716	Input/Turbine Speed Sensor Circuit Range/Performance	<ref. dtc="" gd(h4dotc)-188,="" input="" p0716="" sen-<br="" speed="" to="" turbine="" —="">SOR CIRCUIT RANGE/PERFORMANCE —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

DTC	Description	Index
P0720	Output Speed Sensor Circuit	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-189,="" output="" p0720="" sensor="" speed="" to="" trouble="" —="" —,=""></ref.>
P0726	Engine Speed Input Circuit Range/ Performance	<ref. cir-<br="" dtc="" engine="" gd(h4dotc)-190,="" input="" p0726="" speed="" to="" —="">CUIT RANGE/PERFORMANCE —, Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0731	Gear 1 Incorrect Ratio	<ref. (dtc)="" ,="" 1="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-191,="" gear="" incorrect="" p0731="" ratio="" to="" trouble="" —=""></ref.>
P0732	Gear 2 Incorrect Ratio	<ref. (dtc)="" ,="" 2="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-192,="" gear="" incorrect="" p0732="" ratio="" to="" trouble="" —=""></ref.>
P0733	Gear 3 Incorrect Ratio	<ref. (dtc)="" ,="" 3="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-193,="" gear="" incorrect="" p0733="" ratio="" to="" trouble="" —=""></ref.>
P0734	Gear 4 Incorrect Ratio	<ref. (dtc)="" ,="" 4="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-194,="" gear="" incorrect="" p0734="" ratio="" to="" trouble="" —=""></ref.>
P0741	Torque Converter Clutch Circuit Performance or Stuck OFF	<ref. (dtc)="" circuit="" clutch="" code="" converter="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-195,="" off="" or="" p0741="" performance="" stuck="" to="" torque="" trouble="" —="" —,=""></ref.>
P0743	Torque Converter Clutch Circuit Electrical	<ref. (dtc)="" circuit="" clutch="" code="" converter="" criteria.="" detecting="" diagnostic="" dtc="" electrical="" gd(h4dotc)-196,="" p0743="" to="" torque="" trouble="" —="" —,=""></ref.>
P0748	Pressure Control Solenoid "A" Electrical	<ref. "a"="" (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" electrical="" gd(h4dotc)-197,="" p0748="" pressure="" sole-noid="" to="" trouble="" —="" —,=""></ref.>
P0753	Shift Solenoid "A" Electrical	<ref. "a"="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" electrical="" gd(h4dotc)-198,="" p0753="" shift="" solenoid="" to="" trouble="" —="" —,=""></ref.>
P0758	Shift Solenoid "B" Electrical	<ref. "b"="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" electrical="" gd(h4dotc)-199,="" p0758="" shift="" solenoid="" to="" trouble="" —="" —,=""></ref.>
P0771	Shift Solenoid "E" Performance or Stuck OFF	<ref. "e"="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-200,="" off="" or="" p0771="" per-formance="" shift="" solenoid="" stuck="" to="" trouble="" —="" —,=""></ref.>
P0778	Pressure Control Solenoid "B" Electrical	<ref. "b"="" (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" electrical="" gd(h4dotc)-201,="" p0778="" pressure="" sole-noid="" to="" trouble="" —="" —,=""></ref.>
P0785	Shift/Timing Solenoid	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-202,="" p0785="" shift="" solenoid="" timing="" to="" trouble="" —="" —,=""></ref.>
P0851	Neutral Switch Input Circuit Low (AT Model)	<ref. (at="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-203,="" input="" low="" model)="" neutral="" p0851="" switch="" to="" trouble="" —="" —,=""></ref.>
P0851	Neutral Switch Input Circuit Low (MT Model)	<ref. (dtc)="" (mt="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-204,="" input="" low="" model)="" neutral="" p0851="" switch="" to="" trouble="" —="" —,=""></ref.>
P0852	Neutral Switch Input Circuit High (AT Model)	<ref. (at="" (dtc)="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-205,="" high="" input="" model)="" neutral="" p0852="" switch="" to="" trouble="" —="" —,=""></ref.>
P0852	Neutral Switch Input Circuit High (MT Model)	<ref. (dtc)="" (mt="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-206,="" high="" input="" model)="" neutral="" p0852="" switch="" to="" trouble="" —="" —,=""></ref.>
P0864	TCM Communication Circuit Range/Performance	<ref. (dtc)="" circuit="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-207,="" p0864="" performance="" range="" tcm="" to="" trouble="" —="" —,=""></ref.>
P0865	TCM Communication Circuit Low	<ref. cir-<br="" communication="" dtc="" gd(h4dotc)-208,="" p0865="" tcm="" to="" —="">CUIT LOW —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0866	TCM Communication Circuit High	<ref. cir-<br="" communication="" dtc="" gd(h4dotc)-209,="" p0866="" tcm="" to="" —="">CUIT HIGH —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1086	Tumble Generated Valve Position Sensor 2 Circuit Low	<ref. (dtc)="" 2="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-210,="" generated="" low="" p1086="" position="" sensor="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>

DTC	Description	Index
P1087	Tumble Generated Valve Position Sensor 2 Circuit High	<ref. (dtc)="" 2="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-212,="" generated="" high="" p1087="" position="" sensor="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1088	Tumble Generated Valve Position Sensor 1 Circuit Low	<ref. dtc="" gd(h4dotc)-214,="" generated="" p1088="" to="" tumble="" valve<br="" —="">POSITION SENSOR 1 CIRCUIT LOW —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1089	Tumble Generated Valve Position Sensor 1 Circuit High	<ref. dtc="" gd(h4dotc)-216,="" generated="" p1089="" to="" tumble="" valve<br="" —="">POSITION SENSOR 1 CIRCUIT HIGH —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1090	Tumble Generated Valve System 1 (Valve Open)	<ref. (dtc)="" (valve="" 1="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-218,="" generated="" open)="" p1090="" system="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1091	Tumble Generated Valve System 1 (Valve Close)	<ref. (dtc)="" (valve="" 1="" close)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-219,="" generated="" p1091="" system="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1092	Tumble Generated Valve System 2 (Valve Open)	<ref. (dtc)="" (valve="" 2="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-220,="" generated="" open)="" p1092="" system="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1093	Tumble Generated Valve System 2 (Valve Close)	<ref. (dtc)="" (valve="" 2="" close)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-221,="" generated="" p1093="" system="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1094	Tumble Generated Valve Signal 1 Circuit Malfunction (Open)	<ref. (dtc)="" (open)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-222,="" generated="" malfunction="" p1094="" signal="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1095	Tumble Generated Valve Signal 1 Circuit Malfunction (Short)	<ref. (dtc)="" (short)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-224,="" generated="" malfunction="" p1095="" signal="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1096	Tumble Generated Valve Signal 2 Circuit Malfunction (Open)	<ref. (dtc)="" (open)="" 2="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-226,="" generated="" malfunction="" p1096="" signal="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1097	Tumble Generated Valve Signal 2 Circuit Malfunction (Short)	<ref. (dtc)="" (short)="" 2="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-228,="" generated="" malfunction="" p1097="" signal="" to="" trouble="" tumble="" valve="" —="" —,=""></ref.>
P1110	Atmospheric Pressure Sensor Circuit Malfunction (Low Input)	<ref. (dtc)="" (low="" atmospheric="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-230,="" input)="" malfunction="" p1110="" pressure="" sensor="" to="" trouble="" —="" —,=""></ref.>
P1111	Atmospheric Pressure Sensor Circuit Malfunction (High Input)	<ref. atmospheric="" dtc="" gd(h4dotc)-231,="" p1111="" pressure<br="" to="" —="">SENSOR CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1134	A/F Sensor Micro-Computer Prob- lem	<ref. a="" dtc="" f="" gd(h4dotc)-232,="" micro-com-<br="" p1134="" sensor="" to="" —="">PUTER PROBLEM —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1152	O ₂ Sensor Circuit Range/Performance (Low) (Bank 1 Sensor 1)	<ref. dtc="" gd(h4dotc)-234,="" o<sub="" p1152="" to="" —="">2 SENSOR CIRCUIT RANGE/ PERFORMANCE (LOW) (BANK1 SENSOR1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1153	O ₂ Sensor Circuit Range/Performance (High) (Bank 1 Sensor 1)	<ref. dtc="" gd(h4dotc)-237,="" o<sub="" p1153="" to="" —="">2 SENSOR CIRCUIT RANGE/ PERFORMANCE (HIGH) (BANK1 SENSOR1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1301	Misfire Detected (High Temperature Exhaust Gas)	<ref. (dtc)="" (high="" code="" criteria.="" detected="" detecting="" diagnostic="" dtc="" exhaust="" gas)="" gd(h4dotc)-240,="" misfire="" p1301="" temperature="" to="" trouble="" —="" —,=""></ref.>
P1312	Exhaust Gas Temperature Sensor Malfunction	<ref. dtc="" exhaust="" gas="" gd(h4dotc)-241,="" p1312="" tempera-<br="" to="" —="">TURE SENSOR MALFUNCTION —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1400	Fuel Tank Pressure Control Sole- noid Valve Circuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-242,="" low="" p1400="" pressure="" solenoid="" tank="" to="" trouble="" valve="" —="" —,=""></ref.>

DTC	Description	Index
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-244,="" high="" p1420="" pressure="" sol.="" tank="" to="" trouble="" valve="" —="" —,=""></ref.>
P1443	Vent Control Solenoid Valve Function Problem	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" function="" gd(h4dotc)-246,="" p1443="" problem="" solenoid="" to="" trouble="" valve="" vent="" —="" —,=""></ref.>
P1446	Fuel Tank Sensor Control Valve Circuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-247,="" low="" p1446="" sensor="" tank="" to="" trouble="" valve="" —="" —,=""></ref.>
P1447	Fuel Tank Sensor Control Valve Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-249,="" high="" p1447="" sensor="" tank="" to="" trouble="" valve="" —="" —,=""></ref.>
P1448	Fuel Tank Sensor Control Valve Range Performance	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-251,="" p1448="" performance="" range="" sensor="" tank="" to="" trouble="" valve="" —="" —,=""></ref.>
P1491	Positive Crankcase Ventilation (Blow-By) Function Problem	<ref. (blow-by)="" (dtc)="" code="" crankcase="" criteria.="" detecting="" diagnostic="" dtc="" function="" gd(h4dotc)-255,="" p1491="" positive="" problem="" to="" trouble="" ventilation="" —="" —,=""></ref.>
P1518	Starter Switch Circuit Low Input	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-257,="" input="" low="" p1518="" starter="" switch="" to="" trouble="" —="" —,=""></ref.>
P1544	Exhaust Gas Temperature Too High	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" exhaust="" gas="" gd(h4dotc)-258,="" high="" p1544="" temperature="" to="" too="" trouble="" —="" —,=""></ref.>
P1560	Back-Up Voltage Circuit Malfunction	<ref. (dtc)="" back-up="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4dotc)-259,="" malfunction="" p1560="" to="" trouble="" voltage="" —="" —,=""></ref.>
P1700	Throttle Position Sensor Circuit Malfunction For AT	<ref. dtc="" gd(h4dotc)-260,="" p1700="" position="" sen-<br="" throttle="" to="" —="">SOR CIRCUIT MALFUNCTION FOR AT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1711	Engine Torque Control Signal #1 Circuit Malfunction	<ref. #1="" (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4dotc)-262,="" malfunction="" p1711="" signal="" to="" torque="" trouble="" —="" —,=""></ref.>
P1712	Engine Torque Control Signal #2 Circuit Malfunction	<ref. #2="" (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4dotc)-263,="" malfunction="" p1712="" signal="" to="" torque="" trouble="" —="" —,=""></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. (dtc)="" 1="" bank="" catalyst="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-264,="" lean="" p2096="" post="" system="" to="" too="" trim="" trouble="" —="" —,=""></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	<ref. (dtc)="" 1="" bank="" catalyst="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4dotc)-266,="" p2097="" post="" rich="" system="" to="" too="" trim="" trouble="" —="" —,=""></ref.>