1. List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Index
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-8,="" heater="" ho2s="" p0030="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" gd(h4so)-10,="" 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(h4so)-12,="" 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(h4so)-14,="" 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(h4so)-16,="" heater="" ho2s="" p0038="" to="" —="">CUIT HIGH (BANK 1 SENSOR 2) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0065	Air Assisted Injector Control Range/ Performance	<ref. (dtc)="" air="" assisted="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-18,="" injector="" p0065="" performance="" range="" to="" trouble="" —="" —,=""></ref.>
P0066	Air Assisted Injector Control Circuit or Circuit Low	<ref. (dtc)="" air="" assisted="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-21,="" injector="" low="" or="" p0066="" to="" trouble="" —="" —,=""></ref.>
P0067	Air Assisted Injector Control Circuit High	<ref. (dtc)="" air="" assisted="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-23,="" high="" injector="" p0067="" to="" trouble="" —="" —,=""></ref.>
P0068	Manifold Pressure Sensor Range/ Performance	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-25,="" manifold="" p0068="" performance="" pressure="" range="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input	<ref. absolute="" dtc="" gd(h4so)-27,="" manifold="" p0107="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High Input	<ref. absolute="" dtc="" gd(h4so)-29,="" 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(h4so)-31,="" intake="" p0111="" performance="" range="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0112	Intake Air Temperature Circuit Low Input	<ref. air="" cir-<br="" dtc="" gd(h4so)-33,="" intake="" p0112="" temperature="" to="" —="">CUIT LOW INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0113	Intake Air Temperature Circuit High Input	<ref. air="" cir-<br="" dtc="" gd(h4so)-35,="" intake="" p0113="" temperature="" to="" —="">CUIT HIGH INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0117	Engine Coolant Temperature Circuit Low Input	<ref. (dtc)="" circuit="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4so)-37,="" 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(h4so)-39,="" high="" input="" p0118="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0121	Throttle/Pedal Position Sensor/ Switch "A" Circuit Range/Perfor- mance	<ref. dtc="" gd(h4so)-41,="" p0121="" pedal="" position<br="" throttle="" to="" —="">SENSOR/SWITCH "A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low Input	<ref. dtc="" gd(h4so)-43,="" 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. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-45,="" high="" input="" p0123="" pedal="" position="" sensor="" switch="" throttle="" to="" trouble="" —="" —,=""></ref.>
P0125	Insufficient Coolant Temperature For Closed Loop Fuel Control	<ref. (dtc)="" closed="" code="" control="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" for="" fuel="" gd(h4so)-47,="" insufficient="" loop="" p0125="" tem-perature="" to="" trouble="" —="" —,=""></ref.>
P0128	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)	<ref. (coolant="" (dtc)="" below="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-48,="" p0128="" regulating="" temperature="" temperature)="" thermostat="" to="" trouble="" —="" —,=""></ref.>
P0129	Barometric Pressure Too Low	<ref. (dtc)="" barometric="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-50,="" low="" p0129="" pressure="" to="" too="" trouble="" —="" —,=""></ref.>
P0130	O ₂ Sensor Circuit (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-51,="" o<sub="" p0130="" to="" —="">2 SENSOR CIRCUIT (BANK 1 SENSOR 1) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0131	O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. dtc="" gd(h4so)-53,="" o<sub="" p0131="" to="" —="">2 SENSOR CIRCUIT LOW VOLT-AGE (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)-55,="" o<sub="" p0132="" to="" —="">2 SENSOR CIRCUIT HIGH VOLT-AGE (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(h4so)-57,="" 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(h4so)-61,="" 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. dtc="" gd(h4so)-63,="" o<sub="" p0137="" to="" —="">2 SENSOR CIRCUIT LOW VOLT-AGE (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)-65,="" o<sub="" p0138="" to="" —="">2 SENSOR CIRCUIT HIGH VOLT-AGE (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(h4so)-67,="" 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(h4so)-71,="" lean="" p0171="" system="" to="" too="" trouble="" —="" —,=""></ref.>
P0172	System Too Rich (Bank 1)	<ref. (bank="" (dtc)="" 1)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-73,="" p0172="" rich="" system="" to="" too="" trouble="" —="" —,=""></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-75,="" p0181="" performance="" range="" sensor="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0182	Fuel Temperature Sensor "A" Circuit Low Input	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-77,="" input="" low="" p0182="" sensor="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-79,="" high="" input="" p0183="" sensor="" temperature="" to="" trouble="" —="" —,=""></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. (dtc)="" 1="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4so)-81,="" misfire="" p0301="" to="" trouble="" —="" —,=""></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc)="" 2="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4so)-86,="" misfire="" p0302="" to="" trouble="" —="" —,=""></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. (dtc)="" 3="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4so)-86,="" misfire="" p0303="" to="" trouble="" —="" —,=""></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. (dtc)="" 4="" code="" criteria.="" cylinder="" detected="" detecting="" diagnostic="" dtc="" gd(h4so)-86,="" misfire="" p0304="" to="" trouble="" —="" —,=""></ref.>

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P0327	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)	<ref. (bank="" (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-87,="" input="" knock="" low="" or="" p0327="" sensor="" sensor)="" single="" to="" trouble="" —="" —,=""></ref.>
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)	<ref. 1="" circuit="" dtc="" gd(h4so)-89,="" high<br="" knock="" p0328="" sensor="" to="" —="">INPUT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. "a"="" (dtc)="" circuit="" code="" crankshaft="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-91,="" p0335="" position="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. crankshaft="" dtc="" gd(h4so)-93,="" 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. camshaft="" dtc="" gd(h4so)-96,="" p0340="" position="" sensor<br="" to="" —="">"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. camshaft="" dtc="" gd(h4so)-98,="" p0341="" position="" sensor<br="" to="" —="">"A" CIRCUIT RANGE/PERFORMANCE (BANK 1 OR SINGLE SENSOR) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. catalyst="" dtc="" efficiency<br="" gd(h4so)-100,="" p0420="" system="" to="" —="">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(h4so)-105,="" 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(h4so)-132,="" open="" p0447="" system="" to="" trouble="" vent="" —="" —,=""></ref.>
P0448	Evaporative Emission Control System Vent Control Circuit Shorted	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4so)-134,="" p0448="" shorted="" system="" to="" trouble="" vent="" —="" —,=""></ref.>
P0451	Evaporative Emission Control System Pressure Sensor Range/Performance	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4so)-136,="" p0451="" performance="" pressure="" range="" sensor="" system="" to="" trouble="" —="" —,=""></ref.>
P0452	Evaporative Emission Control System Pressure Sensor Low Input	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4so)-139,="" 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(h4so)-141,="" 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(h4so)-143,="" 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(h4so)-143,="" 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(h4so)-144,="" 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(h4so)-146,="" high="" p0459="" purge="" system="" to="" trouble="" valve="" —="" —,=""></ref.>
P0461	Fuel Level Sensor Circuit Range/ Performance	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-148,="" level="" p0461="" performance="" range="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0462	Fuel Level Sensor Circuit Low Input	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-150,="" input="" level="" low="" p0462="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0463	Fuel Level Sensor Circuit High Input	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-152,="" high="" input="" level="" p0463="" sensor="" to="" trouble="" —="" —,=""></ref.>

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P0464	Fuel Level Sensor Circuit Intermittent	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-154,="" intermittent="" level="" p0464="" sensor="" to="" trouble="" —="" —,=""></ref.>
P0483	Cooling Fan Rationality Check	<ref. cooling="" dtc="" fan="" gd(h4so)-157,="" p0483="" rationality<br="" to="" —="">CHECK —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0502	Vehicle Speed Sensor Circuit Low Input	<ref. cir-<br="" dtc="" gd(h4so)-159,="" p0502="" sensor="" speed="" to="" vehicle="" —="">CUIT LOW INPUT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0503	Vehicle Speed Sensor Intermittent/ Erratic/High	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" erratic="" gd(h4so)-160,="" 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(h4so)-161,="" 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(h4so)-163,="" higher="" idle="" p0507="" rpm="" system="" than="" to="" trouble="" —="" —,=""></ref.>
P0512	Starter Request Circuit	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-165,="" p0512="" request="" starter="" to="" trouble="" —="" —,=""></ref.>
P0519	Idle Control System Malfunction (Fail-Safe)	<ref. (dtc)="" (fail-safe)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-166,="" idle="" mal-function="" p0519="" system="" to="" trouble="" —="" —,=""></ref.>
P0565	Cruise Control On Signal	<ref. (dtc)="" ,="" code="" control="" criteria.="" cruise="" detecting="" diagnostic="" dtc="" gd(h4so)-167,="" on="" p0565="" signal="" to="" trouble="" —=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. (dtc)="" (ram)="" access="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" error="" gd(h4so)-168,="" internal="" memory="" module="" p0604="" random="" to="" trouble="" —="" —,=""></ref.>
P0691	Cooling Fan 1 Control Circuit Low	<ref. 1="" cir-<br="" control="" cooling="" dtc="" fan="" gd(h4so)-169,="" p0691="" to="" —="">CUIT LOW —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0692	Cooling Fan 1 Control Circuit High	<ref. 1="" cir-<br="" control="" cooling="" dtc="" fan="" gd(h4so)-170,="" p0692="" to="" —="">CUIT HIGH —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0703	Torque Converter/Brake Switch "B" Circuit	<ref. "b"="" (dtc)="" brake="" circuit="" code="" converter="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-171,="" p0703="" switch="" to="" torque="" trouble="" —="" —,=""></ref.>
P0705	Transmission Range Sensor Circuit (PRNDL Input)	<ref. dtc="" gd(h4so)-172,="" 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)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fluid="" gd(h4so)-173,="" p0710="" sensor="" temper-ature="" to="" transmission="" trouble="" —="" —,=""></ref.>
P0716	Input/Turbine Speed Sensor Circuit Range/Performance	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-174,="" input="" p0716="" performance="" range="" sensor="" speed="" to="" trouble="" turbine="" —="" —,=""></ref.>
P0720	Output Speed Sensor Circuit	<ref. cir-<br="" dtc="" gd(h4so)-175,="" output="" p0720="" sensor="" speed="" to="" —="">CUIT —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0726	Engine Speed Input Circuit Range/ Performance	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4so)-176,="" input="" p0726="" performance="" range="" speed="" to="" trouble="" —="" —,=""></ref.>
P0731	Gear 1 Incorrect Ratio	<ref. 1="" dtc="" gd(h4so)-177,="" gear="" incorrect="" p0731="" ratio="" to="" —="" —,<br="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0732	Gear 2 Incorrect Ratio	<ref. 2="" dtc="" gd(h4so)-178,="" gear="" incorrect="" p0732="" ratio="" to="" —="" —,<br="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0733	Gear 3 Incorrect Ratio	<ref. 3="" dtc="" gd(h4so)-179,="" gear="" incorrect="" p0733="" ratio="" to="" —="" —,<br="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0734	Gear 4 Incorrect Ratio	<ref. 4="" dtc="" gd(h4so)-180,="" gear="" incorrect="" p0734="" ratio="" to="" —="" —,<br="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0741	Torque Converter Clutch Circuit Performance or Stuck Off	<ref. (dtc)="" circuit="" clutch="" code="" converter="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-181,="" off="" or="" p0741="" performance="" stuck="" to="" torque="" trouble="" —="" —,=""></ref.>

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DTC	Item	Index
P0743	Torque Converter Clutch Circuit Electrical	<ref. (dtc)="" circuit="" clutch="" code="" converter="" criteria.="" detecting="" diagnostic="" dtc="" electrical="" gd(h4so)-182,="" p0743="" to="" torque="" trouble="" —="" —,=""></ref.>
P0748	Pressure Control Solenoid "A" Electrical	<ref. control="" dtc="" gd(h4so)-183,="" p0748="" pressure="" sole-<br="" to="" —="">NOID "A" ELECTRICAL —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0753	Shift Solenoid "A" Electrical	<ref. "a"="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" electri-cal="" gd(h4so)-184,="" p0753="" shift="" solenoid="" to="" trouble="" —="" —,=""></ref.>
P0758	Shift Solenoid "B" Electrical	<ref. "b"="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" electri-cal="" gd(h4so)-185,="" p0758="" shift="" solenoid="" to="" trouble="" —="" —,=""></ref.>
P0771	Shift Solenoid "E" Performance or Stuck Off	<ref. "e"="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-186,="" off="" or="" p0771="" perfor-mance="" shift="" solenoid="" stuck="" to="" trouble="" —="" —,=""></ref.>
P0778	Pressure Control Solenoid "B" Electrical	<ref. control="" dtc="" gd(h4so)-187,="" p0778="" pressure="" sole-<br="" to="" —="">NOID "B" ELECTRICAL —, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0785	Shift/Timing Solenoid	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-188,="" p0785="" shift="" solenoid="" timing="" to="" trouble="" —="" —,=""></ref.>
P0851	Neutral Switch Input Circuit Low	<ref. cir-<br="" dtc="" gd(h4so)-189,="" input="" neutral="" p0851="" switch="" to="" —="">CUIT LOW —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0852	Neutral Switch Input Circuit High	<ref. cir-<br="" dtc="" gd(h4so)-191,="" input="" neutral="" p0852="" switch="" to="" —="">CUIT HIGH —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0864	TCM Communication Circuit Range/ Performance	<ref. (dtc)="" circuit="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-193,="" p0864="" performance="" range="" tcm="" to="" trouble="" —="" —,=""></ref.>
P0865	TCM Communication Circuit Low	<ref. (dtc)="" circuit="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-194,="" low="" p0865="" tcm="" to="" trouble="" —="" —,=""></ref.>
P0866	TCM Communication Circuit High	<ref. (dtc)="" circuit="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-195,="" high="" p0866="" tcm="" to="" trouble="" —="" —,=""></ref.>
P1110	Atmospheric Pressure Sensor Circuit Malfunction (Low Input)	<ref. atmospheric="" dtc="" gd(h4so)-196,="" p1110="" pressure="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1111	Atmospheric Pressure Sensor Circuit Malfunction (High Input)	<ref. atmospheric="" dtc="" gd(h4so)-197,="" p1111="" pressure="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1134	A/F Sensor Micro-Computer Problem	<ref. (dtc)="" a="" code="" criteria.="" detecting="" diagnostic="" dtc="" f="" gd(h4so)-198,="" micro-computer="" p1134="" problem="" sensor="" to="" trouble="" —="" —,=""></ref.>
P1137	O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. dtc="" gd(h4so)-200,="" o<sub="" p1137="" to="" —="">2 SENSOR CIRCUIT LOW VOLT-AGE (BANK 1 SENSOR 2) —, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1400	Fuel Tank Pressure Control Solenoid Valve Circuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-202,="" low="" p1400="" pressure="" solenoid="" tank="" to="" trouble="" valve="" —="" —,=""></ref.>
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-204,="" 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(h4so)-206,="" 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(h4so)-207,="" 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(h4so)-209,="" high="" p1447="" sensor="" tank="" to="" trouble="" valve="" —="" —,=""></ref.>

DTC	Item	Index
P1448	Fuel Tank Sensor Control Valve Range/Performance	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4so)-211,="" p1448="" performance—,="" range="" sensor="" tank="" to="" trouble="" valve="" —=""></ref.>
P1510	ISC Solenoid Valve Signal #1 Circuit Malfunction (Low Input)	<ref. #1="" (dtc)="" (low="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-214,="" input)="" isc="" malfunction="" p1510="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1511	ISC Solenoid Valve Signal #1 Circuit Malfunction (High Input)	<ref. #1="" (dtc)="" (high="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-216,="" input)="" isc="" malfunction="" p1511="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1512	ISC Solenoid Valve Signal #2 Circuit Malfunction (Low Input)	<ref. #2="" (dtc)="" (low="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-218,="" input)="" isc="" malfunction="" p1512="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1513	ISC Solenoid Valve Signal #2 Circuit Malfunction (High Input)	<ref. #2="" (dtc)="" (high="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-220,="" input)="" isc="" malfunction="" p1513="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1514	ISC Solenoid Valve Signal #3 Circuit Malfunction (Low Input)	<ref. #3="" (dtc)="" (low="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-222,="" input)="" isc="" malfunction="" p1514="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1515	ISC Solenoid Valve Signal #3 Circuit Malfunction (High Input)	<ref. #3="" (dtc)="" (high="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-224,="" input)="" isc="" malfunction="" p1515="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1516	ISC Solenoid Valve Signal #4 Circuit Malfunction (Low Input)	<ref. #4="" (dtc)="" (low="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-226,="" input)="" isc="" malfunction="" p1516="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1517	ISC Solenoid Valve Signal #4 Circuit Malfunction (High Input)	<ref. #4="" (dtc)="" (high="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-228,="" input)="" isc="" malfunction="" p1517="" signal="" solenoid="" to="" trouble="" valve="" —="" —,=""></ref.>
P1518	Starter Switch Circuit Low Input	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-230,="" input="" low="" p1518="" starter="" switch="" to="" trouble="" —="" —,=""></ref.>
P1560	Back-Up Voltage Circuit Malfunction	<ref. (dtc)="" back-up="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4so)-231,="" malfunction="" p1560="" to="" trouble="" voltage="" —="" —,=""></ref.>
P1698	Engine Torque Control Cut Signal Circuit Malfunction (Low Input)	<ref. (dtc)="" (low="" circuit="" code="" control="" criteria.="" cut="" detecting="" diagnostic="" dtc="" engine="" gd(h4so)-232,="" input)="" malfunction="" p1698="" signal="" to="" torque="" trouble="" —="" —,=""></ref.>
P1699	Engine Torque Control Cut Signal Circuit Malfunction (High Input)	<ref. (dtc)="" (high="" circuit="" code="" control="" criteria.="" cut="" detecting="" diagnostic="" dtc="" engine="" gd(h4so)-233,="" input)="" malfunction="" p1699="" signal="" to="" torque="" trouble="" —="" —,=""></ref.>
P1700	Throttle Position Sensor Circuit Mal- function For AT	<ref. (dtc)="" at="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" for="" gd(h4so)-234,="" malfunction="" p1700="" position="" sensor="" throttle="" to="" trouble="" —="" —,=""></ref.>
P1711	Engine Torque Control Signal #1 Circuit Malfunction	<ref. #1="" (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4so)-236,="" 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(h4so)-237,="" 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(h4so)-238,="" 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(h4so)-240,="" p2097="" post="" rich="" system="" to="" too="" trim="" trouble="" —="" —,=""></ref.>