18.List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Index
No. P0030	HO2S Heater control circuit (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1)="" cir-cuit="" code="" control="" diagnostic="" dtc="" en(h6do)-100,="" heater="" ho2s="" p0030="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0031	HO2S Heater control circuit low (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h6do)-102,="" 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(h6do)-106,="" 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(h6do)-108,="" 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(h6do)-112,="" heater="" ho2s="" p0038="" to="" —="">CUIT HIGH (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0050	HO2S Heater control circuit (Bank 2 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h6do)-114,="" heater="" ho2s="" p0050="" to="" —="">CUIT (BANK 2 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0051	HO2S Heater control circuit low (Bank 2 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h6do)-116,="" heater="" ho2s="" p0051="" to="" —="">CUIT LOW (BANK 2 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0052	HO2S Heater control circuit high (Bank 2 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h6do)-120,="" heater="" ho2s="" p0052="" to="" —="">CUIT HIGH (BANK 2 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0068	Manifold absolute pressure/barometric pressure circuit range/performance	<ref. absolute="" dtc="" en(h6do)-122,="" manifold="" p0068="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0107	Manifold absolute pressure/barometric pressure circuit low input	<ref. absolute="" dtc="" en(h6do)-124,="" manifold="" p0107="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0108	Manifold absolute pressure/barometric pressure circuit high input	<ref. absolute="" dtc="" en(h6do)-128,="" manifold="" p0108="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0111	Intake air temperature circuit range/per- formance	<ref. air="" cir-<br="" dtc="" en(h6do)-132,="" intake="" p0111="" temperature="" to="" —="">CUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0112	Intake air temperature circuit low input	<ref. air="" cir-<br="" dtc="" en(h6do)-134,="" intake="" p0112="" temperature="" to="" —="">CUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0113	Intake air temperature circuit high input	<ref. air="" cir-<br="" dtc="" en(h6do)-136,="" intake="" p0113="" temperature="" to="" —="">CUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0117	Engine coolant temperature circuit low input	<ref. (dtc).="" circuit="" code="" coolant="" diagnostic="" dtc="" en(h6do)-140,="" engine="" input="" low="" p0117="" procedure="" temperature="" to="" trouble="" with="" —="" —,=""></ref.>
P0118	Engine coolant temperature circuit high input	<ref. (dtc).="" circuit="" code="" coolant="" diagnostic="" dtc="" en(h6do)-142,="" engine="" high="" input="" p0118="" procedure="" temperature="" to="" trouble="" with="" —="" —,=""></ref.>
P0121	Throttle/pedal position sensor/switch "A" circuit range/performance	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-146,="" p0121="" pedal="" performance="" position="" procedure="" range="" sensor="" switch="" throttle="" to="" trouble="" with="" —="" —,=""></ref.>

DTC No.	Item	Index
P0122	Throttle/pedal position sensor/switch "A" circuit low input	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-148,="" input="" low="" p0122="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with="" —="" —,=""></ref.>
P0123	Throttle/pedal position sensor/switch "A" circuit high input	<ref. dtc="" en(h6do)-152,="" p0123="" pedal="" position<br="" throttle="" to="" —="">SENSOR/SWITCH "A" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0125	Insufficient coolant temperature for closed loop fuel control	<ref. coolant="" dtc="" en(h6do)-154,="" insufficient="" p0125="" tem-<br="" to="" —="">PERATURE FOR CLOSED LOOP FUEL CONTROL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0128	Coolant thermostat (coolant temperature below thermostat regulating temperature)	<ref. (coolant="" (dtc).="" below="" code="" coolant="" diagnostic="" dtc="" en(h6do)-156,="" p0128="" procedure="" regulating="" temperature="" temperature)="" thermostat="" to="" trouble="" with="" —="" —,=""></ref.>
P0129	Barometric pressure too low	<ref. (dtc).="" barometric="" code="" diagnostic="" dtc="" en(h6do)-157,="" low="" p0129="" pressure="" procedure="" to="" too="" trouble="" with="" —="" —,=""></ref.>
P0130	O2 sensor circuit (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1)="" circuit="" code="" diagnostic="" dtc="" en(h6do)-158,="" o2="" p0130="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0133	O2 sensor circuit slow response (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1)="" circuit="" code="" diagnostic="" dtc="" en(h6do)-162,="" o2="" p0133="" procedure="" response="" sensor="" slow="" to="" trouble="" with="" —="" —,=""></ref.>
P0134	O2 sensor circuit no activity detected (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1)="" activ-ity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h6do)-164,="" no="" o2="" p0134="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0137	O2 sensor circuit low voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2)="" circuit="" code="" diagnostic="" dtc="" en(h6do)-166,="" high="" o2="" p0138="" procedure="" sensor="" to="" trouble="" volt-age="" with="" —="" —,=""></ref.>
P0138	O2 sensor circuit high voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2)="" circuit="" code="" diagnostic="" dtc="" en(h6do)-166,="" low="" o2="" p0137="" procedure="" sensor="" to="" trouble="" volt-age="" with="" —="" —,=""></ref.>
P0139	O2 sensor circuit slow response (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2)="" circuit="" code="" diagnostic="" dtc="" en(h6do)-170,="" o2="" p0139="" procedure="" response="" sensor="" slow="" to="" trouble="" with="" —="" —,=""></ref.>
P0150	O2 sensor circuit (Bank 2 Sensor 1)	<ref. (bank="" (dtc).="" 1)="" 2="" circuit="" code="" diagnostic="" dtc="" en(h6do)-172,="" o2="" p0150="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0153	O2 sensor circuit slow response (Bank 2 Sensor 1)	<ref. (bank="" (dtc).="" 1)="" 2="" circuit="" code="" diagnostic="" dtc="" en(h6do)-176,="" o2="" p0153="" procedure="" response="" sensor="" slow="" to="" trouble="" with="" —="" —,=""></ref.>
P0154	O2 sensor circuit no activity detected (Bank 2 Sensor 1)	<ref. (bank="" (dtc).="" 1)="" 2="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h6do)-178,="" no="" o2="" p0154="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0171	System too lean (Bank 1)	<ref. (bank="" 1)="" dtc="" en(h6do)-180,="" lean="" p0171="" system="" to="" too="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0172	System too rich (Bank 1)	<ref. (bank="" (dtc).="" 1)="" code="" diagnostic="" dtc="" en(h6do)-180,="" p0172="" procedure="" rich="" system="" to="" too="" trouble="" with="" —="" —,=""></ref.>
P0174	System too lean (Bank 2)	<ref. (bank="" (dtc).="" 2)="" code="" diagnostic="" dtc="" en(h6do)-184,="" lean="" p0174="" procedure="" system="" to="" too="" trouble="" with="" —="" —,=""></ref.>
P0175	System too rich (Bank 2)	<ref. (bank="" (dtc).="" 2)="" code="" diagnostic="" dtc="" en(h6do)-184,="" p0175="" procedure="" rich="" system="" to="" too="" trouble="" with="" —="" —,=""></ref.>
P0181	Fuel temperature sensor "A" circuit range/performance	<ref. dtc="" en(h6do)-188,="" fuel="" p0181="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0182	Fuel temperature sensor "A" circuit low input	<ref. dtc="" en(h6do)-190,="" fuel="" p0182="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0183	Fuel temperature sensor "A" circuit high input	<ref. dtc="" en(h6do)-192,="" fuel="" p0183="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC		
No.	Item	Index
P0230	Fuel pump primary circuit	<ref. (dtc).="" ,="" circuit="" code="" diagnostic="" dtc="" en(h6do)-196,="" fuel="" p0230="" primary="" procedure="" pump="" to="" trouble="" with="" —=""></ref.>
P0301	Cylinder 1 misfire detected	<ref. (dtc).="" 1="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h6do)-199,="" misfire="" p0301="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0302	Cylinder 2 misfire detected	<ref. (dtc).="" 2="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h6do)-199,="" misfire="" p0302="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0303	Cylinder 3 misfire detected	<ref. (dtc).="" 3="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h6do)-199,="" misfire="" p0303="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0304	Cylinder 4 misfire detected	<ref. (dtc).="" 4="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h6do)-199,="" misfire="" p0304="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0305	Cylinder 5 misfire detected	<ref. (dtc).="" 5="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h6do)-199,="" misfire="" p0305="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0306	Cylinder 6 misfire detected	<ref. (dtc).="" 6="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h6do)-200,="" misfire="" p0306="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0327	Knock sensor 1 circuit low input (Bank 1 or Single sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h6do)-208,="" input="" knock="" low="" or="" p0327="" procedure="" sensor="" sensor)="" single="" to="" trouble="" with="" —="" —,=""></ref.>
P0328	Knock sensor 1 circuit high input (Bank 1 or Single sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h6do)-210,="" high="" input="" knock="" or="" p0328="" procedure="" sensor="" sensor)="" single="" to="" trouble="" with="" —="" —,=""></ref.>
P0332	Knock sensor 2 circuit low input (Bank 2)	<ref. (bank="" (dtc).="" 2="" 2)="" circuit="" code="" diagnostic="" dtc="" en(h6do)-212,="" input="" knock="" low="" p0332="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0333	Knock sensor 2 circuit high input (Bank 2)	<ref. (bank="" (dtc).="" 2="" 2)="" circuit="" code="" diagnostic="" dtc="" en(h6do)-214,="" high="" input="" knock="" p0333="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0335	Crankshaft position sensor "A" circuit	<ref. "a"="" (dtc).="" circuit="" code="" crankshaft="" diagnostic="" dtc="" en(h6do)-216,="" p0335="" position="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0336	Crankshaft position sensor "A" circuit range/performance	<ref. "a"="" (dtc).="" circuit="" code="" crankshaft="" diagnostic="" dtc="" en(h6do)-218,="" p0336="" performance="" position="" procedure="" range="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0340	Camshaft position sensor "A" circuit (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc).="" 1="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(h6do)-220,="" or="" p0340="" position="" procedure="" sensor="" sensor)="" single="" to="" trouble="" with="" —="" —,=""></ref.>
P0341	Camshaft position sensor "A" circuit range/performance (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc).="" 1="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(h6do)-222,="" or="" p0341="" performance="" position="" procedure="" range="" sensor="" sensor)="" single="" to="" trouble="" with="" —="" —,=""></ref.>
P0400	Exhaust gas recirculation flow	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h6do)-224,="" exhaust="" flow="" gas="" p0400="" procedure="" recirculation="" to="" trouble="" with="" —="" —,=""></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. (bank="" (dtc).="" 1)="" below="" catalyst="" code="" diagnostic="" dtc="" efficiency="" en(h6do)-228,="" p0420="" procedure="" system="" threshold="" to="" trouble="" with="" —="" —,=""></ref.>
P0442	Evaporative emission control system leak detected (small leak)	<ref. (dtc).="" (small="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h6do)-230,="" evaporative="" leak="" leak)="" p0442="" procedure="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0447	Evaporative emission control system vent control circuit open	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)-234,="" evaporative="" open="" p0447="" procedure="" system="" to="" trouble="" vent="" with="" —="" —,=""></ref.>
P0448	Evaporative emission control system vent control circuit shorted	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)-238,="" evaporative="" p0448="" procedure="" shorted="" system="" to="" trouble="" vent="" with="" —="" —,=""></ref.>
P0451	Evaporative emission control system pressure sensor range/performance	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)-240,="" evaporative="" p0451="" performance="" pressure="" procedure="" range="" sensor="" system="" to="" trouble="" with="" —="" —,=""></ref.>

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P0452	Evaporative emission control system pressure sensor low input	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)-242,="" evaporative="" input="" low="" p0452="" pressure="" procedure="" sensor="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0453	Evaporative emission control system pressure sensor high input	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)-246,="" evaporative="" high="" input="" p0453="" pressure="" procedure="" sensor="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0456	Evaporative emission control system leak detected (very small leak)	<ref. (dtc).="" (very="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h6do)-250,="" evaporative="" leak="" leak)="" p0456="" procedure="" small="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0457	Evaporative emission control system leak detected (fuel cap loose/off)	<ref. (dtc).="" (fuel="" cap="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h6do)-254,="" evaporative="" leak="" loose="" off)="" p0457="" procedure="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0458	Evaporative emission control system purge control valve circuit low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)-258,="" evaporative="" low="" p0458="" procedure="" purge="" system="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
P0459	Evaporative emission control system purge control valve circuit high	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)-262,="" evaporative="" high="" p0459="" procedure="" purge="" system="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
P0461	Fuel level sensor circuit range/performance	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-264,="" fuel="" level="" p0461="" performance="" procedure="" range="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0462	Fuel level sensor circuit low input	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-266,="" fuel="" input="" level="" low="" p0462="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0463	Fuel level sensor circuit high input	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-270,="" fuel="" high="" input="" level="" p0463="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P0464	Fuel level sensor circuit intermittent	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-274,="" fuel="" intermittent—,="" level="" p0464="" procedure="" sensor="" to="" trouble="" with="" —=""></ref.>
P0483	Cooling fan rationality check	<ref. (dtc).="" check="" code="" cooling="" diagnostic="" dtc="" en(h6do)-276,="" fan="" p0483="" procedure="" rationality="" to="" trouble="" with="" —="" —,=""></ref.>
P0502	Vehicle speed sensor circuit low input	<ref. cir-<br="" dtc="" en(h6do)-279,="" p0502="" sensor="" speed="" to="" vehicle="" —="">CUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0503	Vehicle speed sensor intermittent/ erratic/high	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h6do)-280,="" erratic="" high="" inter-mittent="" p0503="" procedure="" sensor="" speed="" to="" trouble="" vehicle="" with="" —="" —,=""></ref.>
P0506	Idle control system RPM lower than expected	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h6do)-284,="" expected="" idle="" lower="" p0506="" procedure="" rpm="" system="" than="" to="" trouble="" with="" —="" —,=""></ref.>
P0507	Idle control system RPM higher than expected	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h6do)-286,="" expected="" higher="" idle="" p0507="" procedure="" rpm="" system="" than="" to="" trouble="" with="" —="" —,=""></ref.>
P0508	Idle control system circuit low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-288,="" idle="" low="" p0508="" procedure="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0509	Idle control system circuit high	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-290,="" high="" idle="" p0509="" procedure="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0512	Starter request circuit	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-292,="" p0512="" procedure="" request="" starter="" to="" trouble="" with="" —="" —,=""></ref.>
P0519	Idle air control circuit system performace	<ref. (dtc).="" air="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-296,="" idle="" p0519="" performace="" procedure="" system="" to="" trouble="" with="" —="" —,=""></ref.>
P0558	Alternator circuit low input	<ref. (dtc).="" alternator="" circuit="" code="" diagnostic="" dtc="" en(h6do)-298,="" input="" low="" p0558="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0559	Alternator circuit high input	<ref. (dtc).="" alternator="" circuit="" code="" diagnostic="" dtc="" en(h6do)-298,="" high="" input="" p0559="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>

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P0565	Cruise control on signal	<ref. control="" cruise="" dtc="" en(h6do)-300,="" on="" p0565="" signal="" to="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0604	Internal control module random access memory (RAM) error	<ref. (dtc).="" (ram)="" access="" code="" control="" diagnostic="" dtc="" en(h6do)-302,="" error="" internal="" memory="" module="" p0604="" procedure="" random="" to="" trouble="" with="" —="" —,=""></ref.>
P0661	Intake manifold tuning valve control circuit low -bank 1	<ref. dtc="" en(h6do)-304,="" intake="" manifold="" p0661="" to="" tuning<br="" —="">VALVE CONTROL CIRCUIT LOW - BANK 1 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0662	Intake manifold tuning valve control circuit high -bank 2	<ref. (dtc).="" -="" 1="" bank="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-308,="" high="" intake="" manifold="" p0662="" procedure="" to="" trouble="" tuning="" valve="" with="" —="" —,=""></ref.>
P0691	Cooling fan 1 control circuit low	<ref. 1="" cir-<br="" control="" cooling="" dtc="" en(h6do)-310,="" fan="" p0691="" to="" —="">CUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0692	Cooling fan 1 control circuit high	<ref. (dtc).="" 1="" cir-cuit="" code="" control="" cooling="" diagnostic="" dtc="" en(h6do)-314,="" fan="" high="" p0692="" procedure="" to="" trouble="" with="" —="" —,=""></ref.>
P0703	Torque converter/brake switch "B" circuit	<ref. "b"="" (dtc).="" brake="" circuit="" code="" converter="" diagnostic="" dtc="" en(h6do)-318,="" p0703="" procedure="" switch="" to="" torque="" trouble="" with="" —="" —,=""></ref.>
P0705	Transmission range sensor circuit (PRNDL input)	<ref. (dtc).="" at-136,="" check="" code="" diagnostic="" for="" inhibitor="" no-diagnostic="" procedure="" switch.,="" to="" trouble=""></ref.>
P0710	Transmission fluid temperature sensor circuit	<ref. (dtc).="" 27="" at-48,="" atf="" code="" diagnostic="" dtc="" procedure="" sensor,="" temperature="" to="" trouble="" with=""></ref.>
P0716	Input/turbine speed sensor circuit range/performance	<ref. 36="" at-64,="" converter="" dtc="" sen-<br="" speed="" to="" torque="" turbine="">SOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0720	Output speed sensor circuit	<ref. (dtc).="" 33="" at-58,="" code="" diagnostic="" dtc="" front="" procedure="" sensor,="" speed="" to="" trouble="" vehicle="" with=""></ref.>
P0726	Engine speed input circuit range/performance	<ref. (dtc).="" 11="" at-44,="" code="" diagnostic="" dtc="" engine="" procedure="" signal,="" speed="" to="" trouble="" with=""></ref.>
P0731	Gear 1 incorrect ratio	<ref. (dtc).="" 1="" code="" diagnostic="" dtc="" en(h6do)-320,="" gear="" incorrect="" p0731="" procedure="" ratio="" to="" trouble="" with="" —="" —,=""></ref.>
P0732	Gear 2 incorrect ratio	<ref. (dtc).="" 2="" code="" diagnostic="" dtc="" en(h6do)-320,="" gear="" incorrect="" p0732="" procedure="" ratio="" to="" trouble="" with="" —="" —,=""></ref.>
P0733	Gear 3 incorrect ratio	<ref. (dtc).="" 3="" code="" diagnostic="" dtc="" en(h6do)-320,="" gear="" incorrect="" p0733="" procedure="" ratio="" to="" trouble="" with="" —="" —,=""></ref.>
P0734	Gear 4 incorrect ratio	<ref. (dtc).="" 4="" code="" diagnostic="" dtc="" en(h6do)-320,="" gear="" incorrect="" p0734="" procedure="" ratio="" to="" trouble="" with="" —="" —,=""></ref.>
P0741	Torque converter clutch circuit performance or stuck off	<ref. clutch<br="" converter="" dtc="" en(h6do)-322,="" p0741="" to="" torque="" —="">CIRCUIT PERFORMANCE OR STUCK OFF —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0743	Torque converter clutch circuit electrical	<ref. (dtc).="" 77="" at-104,="" code="" diagnostic="" dtc="" duty="" lock-up="" procedure="" solenoid,="" to="" trouble="" with=""></ref.>
P0748	Pressure control solenoid "A" electrical	<ref. (dtc).="" 75="" at-92,="" code="" diagnostic="" dtc="" duty="" line="" pressure="" procedure="" solenoid,="" to="" trouble="" with=""></ref.>
P0753	Shift solenoid "A" electrical	<ref. (dtc).="" 1,="" 71="" at-76,="" code="" diagnostic="" dtc="" procedure="" shift="" solenoid="" to="" trouble="" with=""></ref.>
P0758	Shift solenoid "B" electrical	<ref. (dtc).="" 2,="" 72="" at-80,="" code="" diagnostic="" dtc="" procedure="" shift="" solenoid="" to="" trouble="" with=""></ref.>
P0771	Shift solenoid "E" performance or stuck off	<ref. (dtc).="" 73="" at-84,="" clutch="" code="" diagnostic="" dtc="" low="" procedure="" solenoid,="" timing="" to="" trouble="" with=""></ref.>
P0778	Pressure control solenoid "B" electrical	<ref. (dtc).="" 2-4="" 76="" at-98,="" brake="" code="" diagnostic="" dtc="" duty="" procedure="" solenoid,="" to="" trouble="" with=""></ref.>
P0785	Shift/timing solenoid	<ref. (dtc).="" 2-4="" 74="" at-88,="" brake="" code="" diagnostic="" dtc="" procedure="" solenoid,="" timing="" to="" trouble="" with=""></ref.>
P0851	Neutral switch input circuit low	<ref. cir-<br="" dtc="" en(h6do)-324,="" input="" neutral="" p0851="" switch="" to="" —="">CUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

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P0852	Neutral switch input circuit high	<ref. cir-<br="" dtc="" en(h6do)-326,="" input="" neutral="" p0852="" switch="" to="" —="">CUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0864	TCM communication circuit range/per- formance	<ref. (dtc).="" circuit="" code="" communication="" diagnostic="" dtc="" en(h6do)-330,="" p0864="" performance="" procedure="" range="" tcm="" to="" trouble="" with="" —="" —,=""></ref.>
P0865	TCM communication circuit low	<ref. (dtc).="" circuit="" code="" communication="" diagnostic="" dtc="" en(h6do)-332,="" low="" p0865="" procedure="" tcm="" to="" trouble="" with="" —="" —,=""></ref.>
P0866	TCM communication circuit high	<ref. (dtc).="" circuit="" code="" communication="" diagnostic="" dtc="" en(h6do)-334,="" high="" p0866="" procedure="" tcm="" to="" trouble="" with="" —="" —,=""></ref.>
P1110	Atmospheric pressure sensor circuit malfunction (low input)	<ref. atmospheric="" dtc="" en(h6do)-336,="" p1110="" pressure="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1111	Atmospheric pressure sensor circuit malfunction (high input)	<ref. atmospheric="" dtc="" en(h6do)-337,="" p1111="" pressure="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1134	A/F sensor micro-computer problem	<ref. (dtc).="" a="" code="" diagnostic="" dtc="" en(h6do)-338,="" f="" micro-computer="" p1134="" problem="" procedure="" sensor="" to="" trouble="" with="" —="" —,=""></ref.>
P1152	O2 sensor circuit range/performance (low) (Bank 1 Sensor 1)	<ref. <br="" circuit="" dtc="" en(h6do)-339,="" o2="" p1152="" range="" sensor="" to="" —="">PERFORMANCE (LOW) (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1153	O2 sensor circuit range/performance (high) (Bank 1 Sensor 1)	<ref. <br="" circuit="" dtc="" en(h6do)-340,="" o2="" p1153="" range="" sensor="" to="" —="">PERFORMANCE (HIGH) (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1154	O2 sensor circuit range/performance (low) (Bank 2 Sensor 1)	<ref. <br="" circuit="" dtc="" en(h6do)-343,="" o2="" p1154="" range="" sensor="" to="" —="">PERFORMANCE (LOW) (BANK 2 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1155	O2 sensor circuit range/performance (high) (Bank 2 Sensor 1)	<ref. <br="" circuit="" dtc="" en(h6do)-344,="" o2="" p1155="" range="" sensor="" to="" —="">PERFORMANCE (HIGH) (BANK 2 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1400	Fuel tank pressure control solenoid valve circuit low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-348,="" fuel="" low="" p1400="" pressure="" procedure="" solenoid="" tank="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
P1420	Fuel tank pressure control solenoid valve circuit high	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-352,="" fuel="" high="" p1420="" pressure="" procedure="" solenoid="" tank="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
P1443	Vent control solenoid valve function problem	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h6do)-356,="" function="" p1443="" problem="" procedure="" solenoid="" to="" trouble="" valve="" vent="" with="" —="" —,=""></ref.>
P1446	Fuel tank sensor control valve circuit low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-358,="" fuel="" low="" p1446="" procedure="" sensor="" tank="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
P1447	Fuel tank sensor control valve circuit high	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-362,="" fuel="" high="" p1447="" procedure="" sensor="" tank="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
P1448	Fuel Tank Sensor Control Valve Range/ Performance	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h6do)-364,="" fuel="" p1448="" performance="" procedure="" range="" sensor="" tank="" to="" trouble="" valve="" with="" —="" —,=""></ref.>
P1518	Starter switch circuit low input	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)-366,="" input="" low="" p1518="" procedure="" starter="" switch="" to="" trouble="" with="" —="" —,=""></ref.>
P1560	Back-up voltage circuit malfunction	<ref. (dtc).="" back-up="" circuit="" code="" diagnostic="" dtc="" en(h6do)-370,="" malfunction="" p1560="" procedure="" to="" trouble="" voltage="" with="" —="" —,=""></ref.>
P1698	Engine torque control cut signal circuit malfunction (low input)	<ref. (dtc).="" (low="" circuit="" code="" control="" cut="" diagnostic="" dtc="" en(h6do)-372,="" engine="" input)="" malfunction="" p1698="" procedure="" signal="" to="" torque="" trouble="" with="" —="" —,=""></ref.>

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P1699	Engine torque control cut signal circuit malfunction (high input)	<ref. (dtc).="" (high="" circuit="" code="" control="" cut="" diagnostic="" dtc="" en(h6do)-374,="" engine="" input)="" malfunction="" p1699="" procedure="" signal="" to="" torque="" trouble="" with="" —="" —,=""></ref.>
P1700	Throttle position sensor circuit malfunction for AT	<ref. (dtc).="" 31="" at-52,="" code="" diagnostic="" dtc="" position="" procedure="" sensor,="" throttle="" to="" trouble="" with=""></ref.>
P1711	Engine torque control signal #1 circuit malfunction	<ref. #1="" (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-376,="" engine="" malfunction="" p1711="" procedure="" signal="" to="" torque="" trouble="" with="" —="" —,=""></ref.>
P1712	Engine torque control signal #2 circuit malfunction	<ref. #2="" (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)-378,="" engine="" malfunction="" p1712="" procedure="" signal="" to="" torque="" trouble="" with="" —="" —,=""></ref.>