17.List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Reference
P0011	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 1)	<ref. -<br="" camshaft="" dtc="" en(h6do)(diag)-78,="" intake="" p0011="" position="" to="">TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0016	Crankshaft Position - Camshaft Position Correlation (Bank1)	<ref. -="" cam-<br="" crankshaft="" dtc="" en(h6do)(diag)-79,="" p0016="" position="" to="">SHAFT POSITION CORRELATION (BANK1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0018	Crankshaft Position - Camshaft Position Correlation (Bank2)	<ref. -="" cam-<br="" crankshaft="" dtc="" en(h6do)(diag)-80,="" p0018="" position="" to="">SHAFT POSITION CORRELATION (BANK2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0021	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 2)	<ref. -<br="" camshaft="" dtc="" en(h6do)(diag)-81,="" intake="" p0021="" position="" to="">TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0026	Intake Valve Control Solenoid Circuit Range/Performance (Bank 1)	<ref. control="" dtc="" en(h6do)(diag)-82,="" intake="" p0026="" sole-<br="" to="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0028	Intake Valve Control Solenoid Circuit Range/Performance (Bank 2)	<ref. control="" dtc="" en(h6do)(diag)-84,="" intake="" p0028="" sole-<br="" to="" valve="">NOID CIRCUIT RANGE/PERFORMANCE (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h6do)(diag)-86,="" heater="" ho2s="" p0030="" to="">CUIT (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. cir-<br="" control="" dtc="" en(h6do)(diag)-88,="" 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)(diag)-91,="" 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)(diag)-93,="" 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)(diag)-96,="" 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)(diag)-98,="" 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)(diag)-100,="" 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)(diag)-103,="" heater="" ho2s="" p0052="" to="">CUIT HIGH (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0057	HO2S Heater Control Circuit Low (Bank 2 Sensor 2)	<ref. cir-<br="" control="" dtc="" en(h6do)(diag)-105,="" heater="" ho2s="" p0057="" to="">CUIT LOW (BANK 2 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0058	HO2S Heater Control Circuit High (Bank 2 Sensor 2)	<ref. cir-<br="" control="" dtc="" en(h6do)(diag)-108,="" heater="" ho2s="" p0058="" to="">CUIT HIGH (BANK 2 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0068	MAP/MAF - Throttle Position Correlation	<ref. (dtc).="" -="" code="" correlation,="" diagnostic="" dtc="" en(h6do)(diag)-110,="" maf="" map="" p0068="" position="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P0076	Intake Valve Control Solenoid Circuit Low (Bank 1)	<ref. (bank="" (dtc).="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-112,="" intake="" low="" p0076="" procedure="" solenoid="" to="" trouble="" valve="" with=""></ref.>

DTC	Item	Reference
P0077	Intake Valve Control Solenoid Circuit High (Bank 1)	<ref. control<br="" dtc="" en(h6do)(diag)-114,="" intake="" p0077="" to="" valve="">SOLENOID CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0082	Intake Valve Control Solenoid Circuit Low (Bank 2)	<ref. control<br="" dtc="" en(h6do)(diag)-116,="" intake="" p0082="" to="" valve="">SOLENOID CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0083	Intake Valve Control Solenoid Circuit High (Bank 2)	<ref. control<br="" dtc="" en(h6do)(diag)-118,="" intake="" p0083="" to="" valve="">SOLENOID CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-120,="" flow="" mass="" or="" p0101="" performance,="" procedure="" range="" to="" trouble="" volume="" with=""></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-122,="" flow="" input,="" low="" mass="" or="" p0102="" procedure="" to="" trouble="" volume="" with=""></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-125,="" flow="" high="" input,="" mass="" or="" p0103="" procedure="" to="" trouble="" volume="" with=""></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. absolute="" dtc="" en(h6do)(diag)-127,="" manifold="" p0107="" pres-<br="" to="">SURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC).></ref.>
P0108	Manifold Absolute Pressure/Baro- metric Pressure Circuit High Input	<ref. absolute="" dtc="" en(h6do)(diag)-130,="" manifold="" p0108="" pres-<br="" to="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC).></ref.>
P0111	Intake Air Temperature Sensor 1 Circuit Range/Performance	<ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-133,="" intake="" p0111="" performance,="" procedure="" range="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0112	Intake Air Temperature Sensor 1 Circuit Low	<ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-135,="" intake="" low,="" p0112="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0113	Intake Air Temperature Sensor 1 Circuit High	<ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-137,="" high,="" intake="" p0113="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0117	Engine Coolant Temperature Circuit Low	<ref. coolant="" dtc="" en(h6do)(diag)-140,="" engine="" p0117="" tempera-<br="" to="">TURE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0118	Engine Coolant Temperature Circuit High	<ref. (dtc).="" circuit="" code="" coolant="" diagnostic="" dtc="" en(h6do)(diag)-142,="" engine="" high,="" p0118="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-145,="" low,="" p0122="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-147,="" high,="" p0123="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0125	Insufficient Coolant Temperature For Closed Loop Fuel Control	<ref. (dtc).="" closed="" code="" control,="" coolant="" diagnostic="" dtc="" en(h6do)(diag)-149,="" for="" fuel="" insufficient="" loop="" p0125="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P0126	Insufficient Engine Coolant Temperature For Stable Operation	<ref. cool-<br="" dtc="" en(h6do)(diag)-150,="" engine="" insufficient="" p0126="" to="">ANT TEMPERATURE FOR STABLE OPERATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0128	Coolant Thermostat (Engine Coolant Temperature Below Thermostat Reg- ulating Temperature)	<ref. coolant="" dtc="" en(h6do)(diag)-152,="" p0128="" thermostat<br="" to="">(ENGINE COOLANT TEMPERATURE BELOW THERMOSTAT REGULAT- ING TEMPERATURE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0131	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-153,="" low="" o2="" p0131="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>

List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

DTC	Item	Reference
P0132	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-155,="" high="" o2="" p0132="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0133	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h6do)(diag)-157,="" o2="" p0133="" sensor="" slow<br="" to="">RESPONSE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h6do)(diag)-159,="" no<br="" o2="" p0134="" sensor="" to="">ACTIVITY DETECTED (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0137	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-161,="" low="" o2="" p0137="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0138	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-164,="" high="" o2="" p0138="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0139	O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-167,="" o2="" p0139="" procedure="" response="" sensor="" slow="" to="" trouble="" with=""></ref.>
P0140	O2 Sensor Circuit No Activity Detected (Bank1 Sensor2)	<ref. (bank1="" (dtc).="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h6do)(diag)-169,="" no="" o2="" p0140="" procedure="" sensor="" sensor2),="" to="" trouble="" with=""></ref.>
P0151	O2 Sensor Circuit Low Voltage (Bank 2 Sensor 1)	<ref. (bank="" (dtc).="" 1),="" 2="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-172,="" low="" o2="" p0151="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0152	O2 Sensor Circuit High Voltage (Bank 2 Sensor 1)	<ref. (bank="" (dtc).="" 1),="" 2="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-174,="" high="" o2="" p0152="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0153	O2 Sensor Circuit Slow Response (Bank 2 Sensor 1)	<ref. (bank="" (dtc).="" 1),="" 2="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-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)(diag)-178,="" no="" o2="" p0154="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0157	O2 Sensor Circuit Low Voltage (Bank 2 Sensor 2)	<ref. (bank="" (dtc).="" 2="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-180,="" low="" o2="" p0157="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0158	O2 Sensor Circuit High Voltage (Bank 2 Sensor 2)	<ref. (bank="" (dtc).="" 2="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-183,="" high="" o2="" p0158="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0159	O2 Sensor Circuit Slow Response (Bank 2 Sensor 2)	<ref. (bank="" (dtc).="" 2="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-186,="" o2="" p0159="" procedure="" response="" sensor="" slow="" to="" trouble="" with=""></ref.>
P0160	O2 Sensor Circuit No Activity Detected (Bank2 Sensor2)	<ref. (bank2="" (dtc).="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h6do)(diag)-188,="" no="" o2="" p0160="" procedure="" sensor="" sensor2),="" to="" trouble="" with=""></ref.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h6do)(diag)-190,="" lean="" p0171="" procedure="" system="" to="" too="" trouble="" with=""></ref.>
P0172	System Too Rich (Bank 1)	<ref. (bank="" 1),<br="" dtc="" en(h6do)(diag)-190,="" p0172="" rich="" system="" to="" too="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0174	System Too Lean (Bank 2)	<ref. (bank="" (dtc).="" 2),="" code="" diagnostic="" dtc="" en(h6do)(diag)-190,="" lean="" p0174="" procedure="" system="" to="" too="" trouble="" with=""></ref.>
P0175	System Too Rich (Bank 2)	<ref. (bank="" 2),<br="" dtc="" en(h6do)(diag)-191,="" p0175="" rich="" system="" to="" too="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. dtc="" en(h6do)(diag)-193,="" fuel="" p0181="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Reference
P0182	Fuel Temperature Sensor "A" Circuit	<ref. dtc="" en(h6do)(diag)-195,="" fuel="" p="" p0182="" sen-<="" temperature="" to=""></ref.>
10102	Low Input	SOR "A" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. dtc="" en(h6do)(diag)-197,="" fuel="" p0183="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0196	Engine Oil Temperature Sensor Circuit Range/Performance	<ref. dtc="" en(h6do)(diag)-200,="" engine="" oil="" p0196="" temperature<br="" to="">SENSOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0197	Engine Oil Temperature Sensor Low	<ref. dtc="" en(h6do)(diag)-202,="" engine="" oil="" p0197="" temperature<br="" to="">SENSOR LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0198	Engine Oil Temperature Sensor High	<ref. dtc="" en(h6do)(diag)-204,="" engine="" oil="" p0198="" temperature<br="" to="">SENSOR HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low	<ref. "b"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-206,="" low,="" p0222="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High	<ref. "b"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-208,="" high,="" p0223="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0230	Fuel Pump Primary Circuit	<ref. cir-<br="" dtc="" en(h6do)(diag)-210,="" fuel="" p0230="" primary="" pump="" to="">CUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. (dtc).="" 1="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h6do)(diag)-213,="" misfire="" p0301="" procedure="" to="" trouble="" with=""></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc).="" 2="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h6do)(diag)-213,="" misfire="" p0302="" procedure="" to="" trouble="" with=""></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. (dtc).="" 3="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h6do)(diag)-213,="" misfire="" p0303="" procedure="" to="" trouble="" with=""></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. (dtc).="" 4="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h6do)(diag)-213,="" misfire="" p0304="" procedure="" to="" trouble="" with=""></ref.>
P0305	Cylinder 5 Misfire Detected	<ref. (dtc).="" 5="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h6do)(diag)-213,="" misfire="" p0305="" procedure="" to="" trouble="" with=""></ref.>
P0306	Cylinder 6 Misfire Detected	<ref. (dtc).="" 6="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h6do)(diag)-214,="" misfire="" p0306="" procedure="" to="" trouble="" with=""></ref.>
P0327	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-220,="" knock="" low="" or="" p0327="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0328	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-222,="" high="" knock="" or="" p0328="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0332	Knock Sensor 2 Circuit Low (Bank 2)	<ref. (bank="" (dtc).="" 2="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-224,="" knock="" low="" p0332="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0333	Knock Sensor 2 Circuit High (Bank 2)	<ref. (bank="" (dtc).="" 2="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-226,="" high="" knock="" p0333="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. crankshaft="" dtc="" en(h6do)(diag)-228,="" p0335="" position="" sen-<br="" to="">SOR "A" CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. crankshaft="" dtc="" en(h6do)(diag)-230,="" p0336="" position="" sen-<br="" to="">SOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. camshaft="" dtc="" en(h6do)(diag)-232,="" p0340="" position="" sen-<br="" to="">SOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0345	Camshaft Position Sensor "A" Circuit (Bank 2)	<ref. camshaft="" dtc="" en(h6do)(diag)-234,="" p0345="" position="" sen-<br="" to="">SOR "A" CIRCUIT (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Reference
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. catalyst="" dtc="" effi-<br="" en(h6do)(diag)-236,="" p0420="" system="" to="">CIENCY BELOW THRESHOLD (BANK 1), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0442	Evaporative Emission Control System Leak Detected (Small Leak)	<ref. dtc="" emission<br="" en(h6do)(diag)-240,="" evaporative="" p0442="" to="">CONTROL SYSTEM LEAK DETECTED (SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0447	Evaporative Emission Control System Vent Control Circuit Open	<ref. dtc="" emission<br="" en(h6do)(diag)-243,="" evaporative="" p0447="" to="">CONTROL SYSTEM VENT CONTROL CIRCUIT OPEN, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0448	Evaporative Emission Control System Vent Control Circuit Shorted	<ref. dtc="" emission<br="" en(h6do)(diag)-246,="" evaporative="" p0448="" to="">CONTROL SYSTEM VENT CONTROL CIRCUIT SHORTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0451	Evaporative Emission Control System Pressure Sensor	<ref. dtc="" emission<br="" en(h6do)(diag)-248,="" evaporative="" p0451="" to="">CONTROL SYSTEM PRESSURE SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0452	Evaporative Emission Control System Pressure Sensor Low Input	<ref. dtc="" emission<br="" en(h6do)(diag)-250,="" evaporative="" p0452="" to="">CONTROL SYSTEM PRESSURE SENSOR LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0453	Evaporative Emission Control System Pressure Sensor High Input	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)(diag)-253,="" evaporative="" high="" input,="" p0453="" pressure="" procedure="" sensor="" system="" to="" trouble="" with=""></ref.>
P0456	Evaporative Emission Control System Leak Detected (Very Small Leak)	<ref. dtc="" emission<br="" en(h6do)(diag)-256,="" evaporative="" p0456="" to="">CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0457	Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off)	<ref. (dtc).="" (fuel="" cap="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h6do)(diag)-259,="" evaporative="" leak="" loose="" off),="" p0457="" procedure="" system="" to="" trouble="" with=""></ref.>
P0458	Evaporative Emission System Purge Control Valve Circuit Low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)(diag)-262,="" evaporative="" low,="" p0458="" procedure="" purge="" system="" to="" trouble="" valve="" with=""></ref.>
P0459	Evaporative Emission System Purge Control Valve Circuit High	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h6do)(diag)-264,="" evaporative="" high,="" p0459="" procedure="" purge="" system="" to="" trouble="" valve="" with=""></ref.>
P0461	Fuel Level Sensor "A" Circuit Range/ Performance	<ref. "a"="" (dtc).="" cir-cuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-266,="" fuel="" level="" p0461="" performance,="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0462	Fuel Level Sensor "A" Circuit Low	<ref. "a"="" (dtc).="" cir-cuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-266,="" fuel="" level="" low,="" p0462="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0463	Fuel Level Sensor "A" Circuit High	<ref. "a"="" (dtc).="" cir-cuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-266,="" fuel="" high,="" level="" p0463="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. cir-<br="" dtc="" en(h6do)(diag)-267,="" fuel="" level="" p0464="" sensor="" to="">CUIT INTERMITTENT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0483	Fan Rationality Check	<ref. (dtc).="" check,="" code="" diagnostic="" dtc="" en(h6do)(diag)-267,="" fan="" p0483="" procedure="" rationality="" to="" trouble="" with=""></ref.>
P0500	Vehicle Speed Sensor "A"	<ref. "a",="" (dtc).="" code="" diagnostic="" dtc="" en(h6do)(diag)-268,="" p0500="" procedure="" sensor="" speed="" to="" trouble="" vehicle="" with=""></ref.>
P0506	Idle Air Control System RPM Lower Than Expected	<ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-269,="" expected,="" idle="" lower="" p0506="" procedure="" rpm="" system="" than="" to="" trouble="" with=""></ref.>
P0507	Idle Air Control System RPM Higher Than Expected	<ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-271,="" expected,="" higher="" idle="" p0507="" procedure="" rpm="" system="" than="" to="" trouble="" with=""></ref.>
P0512	Starter Request Circuit	<ref. (dtc).="" circuit,="" code="" diagnostic="" dtc="" en(h6do)(diag)-273,="" p0512="" procedure="" request="" starter="" to="" trouble="" with=""></ref.>
P0513	Incorrect Immobilizer Key	<ref. (dtc).="" code="" diagnostic="" dtc="" im(diag)-16,="" immobilizer="" incorrect="" key,="" p0513="" procedure="" to="" trouble="" with=""></ref.>

DTC	Item	Reference
P0519	Idle Air Control System Performance	<ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-274,="" idle="" p0519="" performance,="" procedure="" system="" to="" trouble="" with=""></ref.>
P0600	Serial Communication Link	<ref. (dtc).="" code="" communication="" diagnostic="" dtc="" en(h6do)(diag)-274,="" link,="" p0600="" procedure="" serial="" to="" trouble="" with=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" en(h6do)(diag)-275,="" internal="" module<br="" p0604="" to="">RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. control="" dtc="" en(h6do)(diag)-276,="" internal="" module<br="" p0605="" to="">READ ONLY MEMORY (ROM) ERROR, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0607	Control Module Performance	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-277,="" module="" p0607="" perfor-mance,="" procedure="" to="" trouble="" with=""></ref.>
P0638	Throttle Actuator Control Range/Performance (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-278,="" p0638="" performance="" procedure="" range="" throttle="" to="" trouble="" with=""></ref.>
P0691	Fan 1 Control Circuit Low	<ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-279,="" fan="" low,="" p0691="" procedure="" to="" trouble="" with=""></ref.>
P0692	Fan 1 Control Circuit High	<ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-279,="" fan="" high,="" p0692="" procedure="" to="" trouble="" with=""></ref.>
P0700	Transmission Control System (MIL Request)	<ref. (dtc).="" (mil="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-279,="" p0700="" procedure="" request),="" system="" to="" transmission="" trouble="" with=""></ref.>
P1152	O2 Sensor Circuit Range/Performance (Low) (Bank1 Sensor1)	<ref. <br="" circuit="" dtc="" en(h6do)(diag)-279,="" o2="" p1152="" range="" sensor="" to="">PERFORMANCE (LOW) (BANK1 SENSOR1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1153	O2 Sensor Circuit Range/Performance (High) (Bank1 Sensor1)	<ref. <br="" circuit="" dtc="" en(h6do)(diag)-280,="" o2="" p1153="" range="" sensor="" to="">PERFORMANCE (HIGH) (BANK1 SENSOR1), 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)(diag)-281,="" 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)(diag)-282,="" o2="" p1155="" range="" sensor="" to="">PERFORMANCE (HIGH) (BANK 2 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1160	Return Spring Failure	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h6do)(diag)-283,="" failure,="" p1160="" procedure="" return="" spring="" to="" trouble="" with=""></ref.>
P1400	Fuel Tank Pressure Control Solenoid Valve Circuit Low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-284,="" fuel="" low,="" p1400="" pressure="" procedure="" solenoid="" tank="" to="" trouble="" valve="" with=""></ref.>
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-287,="" fuel="" high,="" p1420="" pressure="" procedure="" sol.="" tank="" to="" trouble="" valve="" with=""></ref.>
P1443	Vent Control Solenoid Valve Function Problem	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-289,="" function="" p1443="" problem,="" procedure="" solenoid="" to="" trouble="" valve="" vent="" with=""></ref.>
P1518	Starter Switch Circuit Low Input	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-291,="" 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)(diag)-293,="" malfunction,="" p1560="" procedure="" to="" trouble="" voltage="" with=""></ref.>
P1570	Antenna	<ref. (dtc).="" antenna,="" code="" diagnostic="" dtc="" im(diag)-17,="" p1570="" procedure="" to="" trouble="" with=""></ref.>
P1571	Reference Code Incompatibility	<ref. (dtc).="" code="" diagnostic="" dtc="" im(diag)-19,="" incompatibility,="" p1571="" procedure="" reference="" to="" trouble="" with=""></ref.>

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P1572	IMM Circuit Failure (Except Antenna Circuit)	<ref. (dtc).="" (except="" antenna="" circuit="" circuit),="" code="" diagnostic="" dtc="" failure="" im(diag)-20,="" imm="" p1572="" procedure="" to="" trouble="" with=""></ref.>
P1574	Key Communication Failure	<ref. (dtc).="" code="" communication="" diagnostic="" dtc="" failure,="" im(diag)-22,="" key="" p1574="" procedure="" to="" trouble="" with=""></ref.>
P1576	EGI Control Module EEPROM	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" eeprom,="" egi="" im(diag)-23,="" module="" p1576="" procedure="" to="" trouble="" with=""></ref.>
P1577	IMM Control Module EEPROM	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" eeprom,="" im(diag)-24,="" imm="" module="" p1577="" procedure="" to="" trouble="" with=""></ref.>
P1578	Meter Failure	<ref. (dtc).="" code="" diagnostic="" dtc="" failure,="" im(diag)-24,="" meter="" p1578="" procedure="" to="" trouble="" with=""></ref.>
P2088	Intake Camshaft Position Actuator Control Circuit Low (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-295,="" intake="" low="" p2088="" position="" procedure="" to="" trouble="" with=""></ref.>
P2089	Intake Camshaft Position Actuator Control Circuit High (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-297,="" high="" intake="" p2089="" position="" procedure="" to="" trouble="" with=""></ref.>
P2092	Intake Camshaft Position Actuator Control Circuit Low (Bank 2)	<ref. (bank="" (dtc).="" 2),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-299,="" intake="" low="" p2092="" position="" procedure="" to="" trouble="" with=""></ref.>
P2093	Intake Camshaft Position Actuator Control Circuit High (Bank 2)	<ref. (bank="" (dtc).="" 2),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-301,="" high="" intake="" p2093="" position="" procedure="" to="" trouble="" with=""></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h6do)(diag)-303,="" fuel="" lean="" p2096="" post="" procedure="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	<ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h6do)(diag)-310,="" fuel="" p2097="" post="" procedure="" rich="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2098	Post Catalyst Fuel Trim System Too Lean Bank 2	<ref. (dtc).="" 2,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h6do)(diag)-317,="" fuel="" lean="" p2098="" post="" procedure="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2099	Post Catalyst Fuel Trim System Too Rich Bank 2	<ref. (dtc).="" 2,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h6do)(diag)-324,="" fuel="" p2099="" post="" procedure="" rich="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2101	Throttle Actuator Control Motor Circuit Range/Performance	<ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-331,="" motor="" p2101="" performance,="" procedure="" range="" throttle="" to="" trouble="" with=""></ref.>
P2102	Throttle Actuator Control Motor Circuit Low	<ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-337,="" low,="" motor="" p2102="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P2103	Throttle Actuator Control Motor Circuit High	<ref. (dtc).="" actuator="" circuit="" code="" control="" diagnostic="" dtc="" en(h6do)(diag)-339,="" high,="" motor="" p2103="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	<ref. "a"="" (dtc).="" code="" diagnostic="" dtc="" en(h6do)(diag)-340,="" minimum="" p2109="" pedal="" performance,="" position="" procedure="" sensor="" stop="" throttle="" to="" trouble="" with=""></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. "d"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-341,="" input,="" low="" p2122="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. "d"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-344,="" high="" input,="" p2123="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. "e"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-346,="" input,="" low="" p2127="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>

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P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. "e"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-349,="" high="" input,="" p2128="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation	<ref. dtc="" en(h6do)(diag)-351,="" p2135="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "A"/"B" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation	<ref. "d"="" "e"="" (dtc).="" code="" correlation,="" diagnostic="" dtc="" en(h6do)(diag)-355,="" p2138="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" voltage="" with=""></ref.>
P2227	Barometric Pressure Circuit Range/ Performance	<ref. (dtc).="" barometric="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-359,="" p2227="" performance,="" pressure="" procedure="" range="" to="" trouble="" with=""></ref.>
P2228	Barometric Pressure Circuit Low	<ref. (dtc).="" barometric="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-359,="" low,="" p2228="" pressure="" procedure="" to="" trouble="" with=""></ref.>
P2229	Barometric Pressure Circuit High	<ref. (dtc).="" barometric="" circuit="" code="" diagnostic="" dtc="" en(h6do)(diag)-360,="" high,="" p2229="" pressure="" procedure="" to="" trouble="" with=""></ref.>
P2503	Charging System Voltage Low	<ref. (dtc).="" charging="" code="" diagnostic="" dtc="" en(h6do)(diag)-360,="" low,="" p2503="" procedure="" system="" to="" trouble="" voltage="" with=""></ref.>
P2504	Charging System Voltage High	<ref. (dtc).="" charging="" code="" diagnostic="" dtc="" en(h6do)(diag)-361,="" high,="" p2504="" procedure="" system="" to="" trouble="" voltage="" with=""></ref.>