A: LIST

DTC	Item	Note
B1570	Antenna	<ref. (dtc)="" antenna,="" b1570="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-11,="" to="" trouble=""></ref.>
B1571	Reference Code Incompatibility	<ref. b1571="" code="" dtc="" gd(h4do="" hev)-12,="" incompati-<br="" reference="" to="">BILITY, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
B1572	IMM Circuit Failure (Except Antenna Circuit)	<ref. (dtc)="" (except="" antenna="" b1572="" circuit="" circuit),="" code="" criteria.="" detecting="" diagnostic="" dtc="" failure="" gd(h4do="" hev)-12,="" imm="" to="" trouble=""></ref.>
B1574	Key Communication Failure	<ref. (dtc)="" b1574="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" failure,="" gd(h4do="" hev)-12,="" key="" to="" trouble=""></ref.>
B1575	Incorrect Immobilizer Key	<ref. (dtc)="" b1575="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-12,="" immobilizer="" incorrect="" key,="" to="" trouble=""></ref.>
B1576	EGI Control Module EEPROM	<ref. (dtc)="" b1576="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" eeprom,="" egi="" gd(h4do="" hev)-12,="" module="" to="" trouble=""></ref.>
B1577	IMM Control Module EEPROM	<ref. (dtc)="" b1577="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" eeprom,="" gd(h4do="" hev)-12,="" imm="" module="" to="" trouble=""></ref.>
B1578	Meter Failure	<ref. (dtc)="" b1578="" code="" criteria.="" detecting="" diagnostic="" dtc="" failure,="" gd(h4do="" hev)-12,="" meter="" to="" trouble=""></ref.>
P000A	A Camshaft Position Slow Response (Bank 1)	<ref. (bank="" (dtc)="" 1),="" a="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-13,="" p000a="" position="" response="" slow="" to="" trouble=""></ref.>
P000B	B Camshaft Position Slow Response (Bank 1)	<ref. (bank="" (dtc)="" 1),="" b="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-14,="" p000b="" position="" response="" slow="" to="" trouble=""></ref.>
P000C	A Camshaft Position Slow Response (Bank 2)	<ref. (bank="" (dtc)="" 2),="" a="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-14,="" p000c="" position="" response="" slow="" to="" trouble=""></ref.>
P000D	B Camshaft Position Slow Response (Bank 2)	<ref. (bank="" (dtc)="" 2),="" b="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-14,="" p000d="" position="" response="" slow="" to="" trouble=""></ref.>
P0010	"A" Camshaft Position Actuator Circuit/Open (Bank 1)	<ref. "a"="" (bank="" (dtc)="" 1),="" actuator="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-15,="" open="" p0010="" position="" to="" trouble=""></ref.>
P0011	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 1)	<ref. -<br="" camshaft="" dtc="" gd(h4do="" hev)-16,="" intake="" p0011="" position="" to="">TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 1), Diag- nostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0013	B Camshaft Position Actuator Circuit/Open (Bank 1)	<ref. actua-<br="" b="" camshaft="" dtc="" gd(h4do="" hev)-17,="" p0013="" position="" to="">TOR CIRCUIT/OPEN (BANK 1), Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P0014	Exhaust AVCS System 1 (Range/ Performance)	<ref. (dtc)="" (range="" 1="" avcs="" code="" criteria.="" detecting="" diagnostic="" dtc="" exhaust="" gd(h4do="" hev)-18,="" p0014="" performance),="" system="" to="" trouble=""></ref.>
P0016	Crankshaft Position - Camshaft Position Correlation (Bank1)	<ref. -="" cam-<br="" crankshaft="" dtc="" gd(h4do="" hev)-19,="" p0016="" position="" to="">SHAFT POSITION CORRELATION (BANK1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0017	Crank and Cam Timing B System Failure (Bank 1)	<ref. (bank="" (dtc)="" 1),="" and="" b="" cam="" code="" crank="" criteria.="" detecting="" diagnostic="" dtc="" failure="" gd(h4do="" hev)-20,="" p0017="" system="" timing="" to="" trouble=""></ref.>
P0018	Crankshaft Position - Camshaft Position Correlation (Bank2)	<ref. -="" cam-<br="" crankshaft="" dtc="" gd(h4do="" hev)-21,="" p0018="" position="" to="">SHAFT POSITION CORRELATION (BANK2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0019	Crank and Cam Timing B System Failure (Bank 2)	<ref. (bank="" (dtc)="" 2),="" and="" b="" cam="" code="" crank="" criteria.="" detecting="" diagnostic="" dtc="" failure="" gd(h4do="" hev)-21,="" p0019="" system="" timing="" to="" trouble=""></ref.>
P0020	"A" Camshaft Position Actuator Circuit/Open (Bank 2)	<ref. "a"="" (bank="" (dtc)="" 2),="" actuator="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-21,="" open="" p0020="" position="" to="" trouble=""></ref.>
P0021	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 2)	<ref. -<br="" camshaft="" dtc="" gd(h4do="" hev)-21,="" intake="" p0021="" position="" to="">TIMING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

DTC	Item	Note
P0023	B Camshaft Position Actuator Cir-	<ref. actua-<="" b="" camshaft="" dtc="" gd(h4do="" hev)-21,="" p0023="" position="" td="" to=""></ref.>
. 5525	cuit/Open (Bank 2)	TOR CIRCUIT/OPEN (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0024	Exhaust AVCS System 2 (Range/ Performance)	<ref. 2<br="" avcs="" dtc="" exhaust="" gd(h4do="" hev)-21,="" p0024="" system="" to="">(RANGE/PERFORMANCE), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" gd(h4do="" heater="" hev)-22,="" ho2s="" p0030="" to="">(BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" heater="" hev)-23,="" ho2s="" low="" p0031="" sensor="" to="" trouble=""></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" gd(h4do="" heater="" hev)-24,="" ho2s="" p0032="" to="">HIGH (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" 1="" 2),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" heater="" hev)-25,="" ho2s="" low="" p0037="" sensor="" to="" trouble=""></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" 1="" 2),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" heater="" hev)-26,="" high="" ho2s="" p0038="" sensor="" to="" trouble=""></ref.>
P0068	MAP/MAF - Throttle Position Correlation	<ref. (dtc)="" -="" code="" correlation,="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-27,="" maf="" map="" p0068="" position="" throttle="" to="" trouble=""></ref.>
P0071	Ambient Temperature Sensor Circuit "A" Range/Performance	<ref. "a"="" (dtc)="" ambient="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-29,="" p0071="" performance,="" range="" sensor="" temperature="" to="" trouble=""></ref.>
P0072	Ambient Temperature Sensor Circuit "A" Low	<ref. "a"="" (dtc)="" ambient="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-31,="" low,="" p0072="" sensor="" temperature="" to="" trouble=""></ref.>
P0073	Ambient Temperature Sensor Circuit "A" High	<ref. "a"="" (dtc)="" ambient="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-32,="" high,="" p0073="" sensor="" temperature="" to="" trouble=""></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(h4do="" hev)-33,="" mass="" or="" p0101="" performance,="" range="" to="" trouble="" volume=""></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. (dtc)="" air="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(h4do="" hev)-35,="" input,="" low="" mass="" or="" p0102="" to="" trouble="" volume=""></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. (dtc)="" air="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(h4do="" hev)-36,="" high="" input,="" mass="" or="" p0103="" to="" trouble="" volume=""></ref.>
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input	<ref. absolute="" dtc="" gd(h4do="" hev)-37,="" 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(h4do="" hev)-38,="" manifold="" p0108="" pres-<br="" to="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0111	Intake Air Temperature Sensor Range/Performance Problem	<ref. air="" dtc="" gd(h4do="" hev)-39,="" intake="" p0111="" sen-<br="" temperature="" to="">SOR RANGE/PERFORMANCE PROBLEM, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0112	Intake Air Temperature Sensor 1 Circuit Low	<ref. air="" dtc="" gd(h4do="" hev)-42,="" intake="" p0112="" sen-<br="" temperature="" to="">SOR 1 CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0113	Intake Air Temperature Sensor 1 Circuit High	<ref. air="" dtc="" gd(h4do="" hev)-43,="" intake="" p0113="" sen-<br="" temperature="" to="">SOR 1 CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Performance	<ref. (dtc)="" 1="" circuit="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4do="" hev)-44,="" p0116="" performance,="" range="" sensor="" temperature="" to="" trouble=""></ref.>
P0117	Engine Coolant Temperature Circuit Low	<ref. (dtc)="" circuit="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4do="" hev)-46,="" low,="" p0117="" temperature="" to="" trouble=""></ref.>
P0118	Engine Coolant Temperature Circuit High	<ref. coolant="" dtc="" engine="" gd(h4do="" hev)-47,="" p0118="" temperature<br="" to="">CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

DTC	Item	Note
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-48,="" low,="" p0122="" pedal="" position="" sen-sor="" switch="" throttle="" to="" trouble=""></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High	<ref. dtc="" gd(h4do="" hev)-49,="" p0123="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "A" CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. coolant="" dtc="" gd(h4do="" hev)-50,="" insufficient="" p0125="" tem-<br="" to="">PERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0128	Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature)	<ref. (dtc)="" (engine="" below="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-51,="" p0128="" regulating="" temperature="" temperature),="" thermostat="" to="" trouble=""></ref.>
P0131	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-54,="" low="" o2="" p0131="" sensor="" to="" trouble="" volt-age=""></ref.>
P0132	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-55,="" high="" o2="" p0132="" sensor="" to="" trouble="" volt-age=""></ref.>
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" activity="" circuit="" code="" criteria.="" detected="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-56,="" no="" o2="" p0134="" sensor="" to="" trouble=""></ref.>
P0137	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" 1="" 2),="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-57,="" low="" o2="" p0137="" sensor="" to="" trouble="" volt-age=""></ref.>
P0138	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" 1="" 2),="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-58,="" high="" o2="" p0138="" sensor="" to="" trouble="" volt-age=""></ref.>
P013A	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" -="" 1="" 2),="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-59,="" lean="" o2="" p013a="" response="" rich="" sensor="" slow="" to="" trouble=""></ref.>
P013B	O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 2)	<ref. -<br="" dtc="" gd(h4do="" hev)-61,="" o2="" p013b="" response="" sensor="" slow="" to="">LEAN TO RICH (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P013E	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" -="" 1="" 2),="" code="" criteria.="" delayed="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-63,="" lean="" o2="" p013e="" response="" rich="" sensor="" to="" trouble=""></ref.>
P013F	O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" -="" 1="" 2),="" code="" criteria.="" delayed="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-65,="" lean="" o2="" p013f="" response="" rich="" sensor="" to="" trouble=""></ref.>
P0141	O2 Sensor Heater Circuit (Bank1 Sensor2)	<ref. (bank1="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" heater="" hev)-67,="" o2="" p0141="" sensor="" sensor2),="" to="" trouble=""></ref.>
P014C	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" -="" 1="" 1),="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-68,="" lean="" o2="" p014c="" response="" rich="" sensor="" slow="" to="" trouble=""></ref.>
P014D	O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 1)	<ref. -<br="" dtc="" gd(h4do="" hev)-70,="" o2="" p014d="" response="" sensor="" slow="" to="">LEAN TO RICH (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P015A	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" -="" 1="" 1),="" code="" criteria.="" delayed="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-71,="" lean="" o2="" p015a="" response="" rich="" sensor="" to="" trouble=""></ref.>
P015B	O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" -="" 1="" 1),="" code="" criteria.="" delayed="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-73,="" lean="" o2="" p015b="" response="" rich="" sensor="" to="" trouble=""></ref.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" (dtc)="" 1),="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-74,="" lean="" p0171="" system="" to="" too="" trouble=""></ref.>
P0172	System Too Rich (Bank 1)	<ref. (bank="" (dtc)="" 1),="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-75,="" p0172="" rich="" system="" to="" too="" trouble=""></ref.>
P0196	Engine Oil Temperature Sensor Circuit Range/Performance	<ref. dtc="" engine="" gd(h4do="" hev)-76,="" oil="" p0196="" sen-<br="" temperature="" to="">SOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

DTC	Item	Note
P0197	Engine Oil Temperature Sensor Low	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(h4do="" hev)-78,="" low,="" oil="" p0197="" sensor="" temperature="" to="" trouble=""></ref.>
P0198	Engine Oil Temperature Sensor High	<ref. dtc="" engine="" gd(h4do="" hev)-79,="" oil="" p0198="" sen-<br="" temperature="" to="">SOR HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0201	Injector #1	<ref. #1,="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-80,="" injector="" p0201="" to="" trouble=""></ref.>
P0202	Injector #2	<ref. #2,="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-80,="" injector="" p0202="" to="" trouble=""></ref.>
P0203	Injector #3	<ref. #3,="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-80,="" injector="" p0203="" to="" trouble=""></ref.>
P0204	Injector #4	<ref. #4,="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-80,="" injector="" p0204="" to="" trouble=""></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low	<ref. "b"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-81,="" low,="" p0222="" pedal="" position="" sen-sor="" switch="" throttle="" to="" trouble=""></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High	<ref. dtc="" gd(h4do="" hev)-82,="" p0223="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "B" CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0300	Random/Multiple Cylinder Misfire Detected	<ref. (dtc)="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-82,="" misfire="" multiple="" p0300="" random="" to="" trouble=""></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. (dtc)="" 1="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-83,="" misfire="" p0301="" to="" trouble=""></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc)="" 2="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-89,="" misfire="" p0302="" to="" trouble=""></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. (dtc)="" 3="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-89,="" misfire="" p0303="" to="" trouble=""></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. (dtc)="" 4="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-89,="" misfire="" p0304="" to="" trouble=""></ref.>
P0327	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)	<ref. (bank="" (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-90,="" knock="" low="" or="" p0327="" sensor="" sensor),="" single="" to="" trouble=""></ref.>
P0328	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)	<ref. (bank="" (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-91,="" high="" knock="" or="" p0328="" sensor="" sensor),="" single="" to="" trouble=""></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. crankshaft="" dtc="" gd(h4do="" hev)-92,="" p0335="" position="" sensor<br="" to="">"A" CIRCUIT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc)="" circuit="" code="" crankshaft="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-94,="" p0336="" performance,="" position="" range="" sensor="" to="" trouble=""></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc)="" 1="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-96,="" or="" p0340="" position="" sensor="" sensor),="" single="" to="" trouble=""></ref.>
P0341	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc)="" 1="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-98,="" or="" p0341="" performance="" position="" range="" sensor="" sensor),="" single="" to="" trouble=""></ref.>
P0345	Camshaft Position Sensor "A" Circuit (Bank 2)	<ref. "a"="" (bank="" (dtc)="" 2),="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-99,="" p0345="" position="" sensor="" to="" trouble=""></ref.>
P0346	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 2)	<ref. "a"="" (bank="" (dtc)="" 2),="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-99,="" p0346="" performance="" position="" range="" sensor="" to="" trouble=""></ref.>
P0351	Ignition Coil A Primary/Secondary Circuit	<ref. (dtc)="" a="" circuit,="" code="" coil="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-100,="" ignition="" p0351="" primary="" sec-ondary="" to="" trouble=""></ref.>
P0352	Ignition Coil B Primary/Secondary Circuit	<ref. b="" coil="" dtc="" gd(h4do="" hev)-100,="" ignition="" p0352="" primary="" sec-<br="" to="">ONDARY CIRCUIT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0353	Ignition Coil C Primary/Secondary Circuit	<ref. c="" coil="" dtc="" gd(h4do="" hev)-100,="" ignition="" p0353="" primary="" sec-<br="" to="">ONDARY CIRCUIT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>

DTC	Item	Note
P0354	Ignition Coil D Primary/Secondary Circuit	<ref. (dtc)="" circuit,="" code="" coil="" criteria.="" d="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-100,="" ignition="" p0354="" primary="" sec-ondary="" to="" trouble=""></ref.>
P0365	Camshaft Position Sensor "B" Circuit (Bank 1)	<ref. "b"="" (bank="" (dtc)="" 1),="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-101,="" p0365="" position="" sensor="" to="" trouble=""></ref.>
P0366	Camshaft Position Sensor B Circuit Range/Performance (Bank 1)	<ref. (bank="" (dtc)="" 1),="" b="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-102,="" p0366="" performance="" position="" range="" sensor="" to="" trouble=""></ref.>
P0390	Camshaft Position Sensor "B" Circuit (Bank 2)	<ref. camshaft="" dtc="" gd(h4do="" hev)-103,="" p0390="" position="" sensor<br="" to="">"B" CIRCUIT (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0391	Camshaft Position Sensor B Circuit Range/Performance (Bank 2)	<ref. (bank="" (dtc)="" 2),="" b="" camshaft="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-103,="" p0391="" performance="" position="" range="" sensor="" to="" trouble=""></ref.>
P0400	Exhaust Gas Recirculation Flow	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" exhaust="" flow,="" gas="" gd(h4do="" hev)-104,="" p0400="" recirculation="" to="" trouble=""></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. (bank="" (dtc)="" 1),="" below="" catalyst="" code="" criteria.="" detecting="" diagnostic="" dtc="" efficiency="" gd(h4do="" hev)-106,="" p0420="" system="" threshold="" to="" trouble=""></ref.>
P0441	Evaporative Emission Cont. Sys. Incorrect Purge Flow	<ref. (dtc)="" code="" cont.="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" flow,="" gd(h4do="" hev)-108,="" incorrect="" p0441="" purge="" sys.="" to="" trouble=""></ref.>
P0451	Evaporative Emission System Pressure Sensor/Switch Range/Performance	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-111,="" p0451="" performance,="" pressure="" range="" sensor="" switch="" system="" to="" trouble=""></ref.>
P0452	Evaporative Emission System Pressure Sensor/Switch Low	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-113,="" low,="" p0452="" pressure="" sensor="" switch="" system="" to="" trouble=""></ref.>
P0453	Evaporative Emission System Pressure Sensor/Switch High	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-114,="" high,="" p0453="" pressure="" sensor="" switch="" system="" to="" trouble=""></ref.>
P0455	Evaporative Emission System Leak Detected (Large Leak)	<ref. dtc="" emission="" evaporative="" gd(h4do="" hev)-115,="" p0455="" sys-<br="" to="">TEM LEAK DETECTED (LARGE LEAK), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0456	Evaporative Emission Control System Leak Detected (Very Small Leak)	<ref. (dtc)="" (very="" code="" control="" criteria.="" detected="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-120,="" leak="" leak),="" p0456="" small="" system="" to="" trouble=""></ref.>
P0458	Evaporative Emission System Purge Control Valve Circuit Low	<ref. dtc="" emission="" evaporative="" gd(h4do="" hev)-121,="" p0458="" sys-<br="" to="">TEM PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0459	Evaporative Emission System Purge Control Valve Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-122,="" high,="" p0459="" purge="" system="" to="" trouble="" valve=""></ref.>
P0461	Fuel Level Sensor "A" Circuit Range/ Performance	<ref. "a"="" (dtc)="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4do="" hev)-123,="" level="" p0461="" performance,="" range="" sensor="" to="" trouble=""></ref.>
P0462	Fuel Level Sensor "A" Circuit Low	<ref. "a"="" cir-<br="" dtc="" fuel="" gd(h4do="" hev)-124,="" level="" p0462="" sensor="" to="">CUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0463	Fuel Level Sensor "A" Circuit High	<ref. "a"="" (dtc)="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4do="" hev)-125,="" high,="" level="" p0463="" sensor="" to="" trouble=""></ref.>
P0500	Vehicle Speed Sensor "A"	<ref. "a",="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-126,="" p0500="" sensor="" speed="" to="" trouble="" vehicle=""></ref.>
P0506	Idle Air Control System RPM Lower Than Expected	<ref. (dtc)="" air="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" expected,="" gd(h4do="" hev)-127,="" idle="" lower="" p0506="" rpm="" system="" than="" to="" trouble=""></ref.>
P0507	Idle Air Control System RPM Higher Than Expected	<ref. (dtc)="" air="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" expected,="" gd(h4do="" hev)-128,="" higher="" idle="" p0507="" rpm="" system="" than="" to="" trouble=""></ref.>

DTC	Item	Note
P050A	Cold Start Idle Air Control System Performance	<ref. (dtc)="" air="" code="" cold="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-129,="" idle="" p050a="" performance,="" start="" system="" to="" trouble=""></ref.>
P050B	Cold Start Ignition Timing Performance	<ref. cold="" dtc="" gd(h4do="" hev)-131,="" ignition="" p050b="" start="" timing<br="" to="">PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0512	Starter Request Circuit	<ref. (dtc)="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-132,="" p0512="" request="" starter="" to="" trouble=""></ref.>
P0560	System Voltage	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-133,="" p0560="" system="" to="" trouble="" voltage,=""></ref.>
P059A	Active Grille Shutter "A" Position Sensor Circuit	<ref. "a"="" (dtc)="" active="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-134,="" p059a="" position="" sensor="" shutter="" to="" trouble=""></ref.>
P059F	Active Grille Shutter "A" Performance	<ref. "a"="" (dtc)="" active="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-135,="" p059f="" performance,="" shutter="" to="" trouble=""></ref.>
P05A0	Active Grille Shutter "A" Stuck	<ref. "a"="" (dtc)="" active="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-136,="" p05a0="" shutter="" stuck,="" to="" trouble=""></ref.>
P05A1	Active Grille Shutter "A" Range Over	<ref. "a"="" (dtc)="" active="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-137,="" over,="" p05a1="" range="" shutter="" to="" trouble=""></ref.>
P05A2	Active Grille Shutter "A" Control Circuit	<ref. "a"="" (dtc)="" active="" circuit,="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-138,="" p05a2="" shutter="" to="" trouble=""></ref.>
P05A6	Active Grille Shutter "A" Supply Voltage Circuit/Open	<ref. "a"="" (dtc)="" active="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-140,="" open,="" p05a6="" shutter="" supply="" to="" trouble="" voltage=""></ref.>
P05C0	Active Grille Shutter "A" Over Temperature	<ref. "a"="" (dtc)="" active="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-141,="" over="" p05c0="" shutter="" temperature,="" to="" trouble=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" gd(h4do="" hev)-142,="" internal="" module<br="" p0604="" to="">RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. control="" dtc="" gd(h4do="" hev)-143,="" internal="" module<br="" p0605="" to="">READ ONLY MEMORY (ROM) ERROR, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0606	Control Module Processor	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-144,="" module="" p0606="" processor,="" to="" trouble=""></ref.>
P060A	Internal Control Module Monitoring Processor Performance	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-146,="" internal="" module="" monitoring="" p060a="" performance,="" processor="" to="" trouble=""></ref.>
P060B	Internal Control Module A/D Processing Performance	<ref. (dtc)="" a="" code="" control="" criteria.="" d="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-148,="" internal="" module="" p060b="" performance,="" processing="" to="" trouble=""></ref.>
P0616	Starter Relay Circuit Low	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-150,="" low,="" p0616="" relay="" starter="" to="" trouble=""></ref.>
P0617	Starter Relay Circuit High	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-151,="" high,="" p0617="" relay="" starter="" to="" trouble=""></ref.>
P062F	Internal Control Module EEPROM Error	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" eeprom="" error,="" gd(h4do="" hev)-152,="" internal="" module="" p062f="" to="" trouble=""></ref.>
P0700	Transmission Control System (MIL Request)	<ref. (dtc)="" (mil="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-154,="" p0700="" request),="" system="" to="" transmission="" trouble=""></ref.>
P081A	Starter Disable Circuit Low	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" disable="" dtc="" gd(h4do="" hev)-155,="" low,="" p081a="" starter="" to="" trouble=""></ref.>
P0851	Park/Neutral Switch Input Circuit Low (AT Model)	<ref. (at="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-156,="" input="" low="" model),="" neutral="" p0851="" park="" switch="" to="" trouble=""></ref.>
P0852	Park/Neutral Switch Input Circuit High (AT Model)	<ref. (at="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-157,="" high="" input="" model),="" neutral="" p0852="" park="" switch="" to="" trouble=""></ref.>

DTC	Item	Note
P0A7B	Battery Energy Control Module Request MIL Illumination	<ref. (dtc)="" battery="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" energy="" gd(h4do="" hev)-158,="" illumination,="" mil="" module="" p0a7b="" request="" to="" trouble=""></ref.>
P0AC4	Hybrid Powertrain Control Module Request MIL Illumination	<ref. control<br="" dtc="" gd(h4do="" hev)-159,="" hybrid="" p0ac4="" powertrain="" to="">MODULE REQUEST MIL ILLUMINATION, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0CA1	Drive Motor Control Module Request MIL Illumination	<ref. control="" drive="" dtc="" gd(h4do="" hev)-160,="" mod-<br="" motor="" p0ca1="" to="">ULE REQUEST MIL ILLUMINATION, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1160	Return Spring Failure	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" failure,="" gd(h4do="" hev)-161,="" p1160="" return="" spring="" to="" trouble=""></ref.>
P1449	Evaporative Emission Cont. Sys. Air Filter Clog	<ref. (dtc)="" air="" clog,="" code="" cont.="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" filter="" gd(h4do="" hev)-162,="" p1449="" sys.="" to="" trouble=""></ref.>
P1451	Evaporative Emission Cont. Sys.	<ref. (dtc)="" code="" cont.="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-163,="" p1451="" sys.,="" to="" trouble=""></ref.>
P1492	EGR Solenoid Valve Signal #1 Circuit Malfunction (Low Input)	<ref. dtc="" egr="" gd(h4do="" hev)-164,="" p1492="" signal<br="" solenoid="" to="" valve="">#1 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1493	EGR Solenoid Valve Signal #1 Circuit Malfunction (High Input)	<ref. dtc="" egr="" gd(h4do="" hev)-165,="" p1493="" signal<br="" solenoid="" to="" valve="">#1 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1494	EGR Solenoid Valve Signal #2 Circuit Malfunction (Low Input)	<ref. dtc="" egr="" gd(h4do="" hev)-166,="" p1494="" signal<br="" solenoid="" to="" valve="">#2 CIRCUIT MALFUNCTION (LOW INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1495	EGR Solenoid Valve Signal #2 Circuit Malfunction (High Input)	<ref. dtc="" egr="" gd(h4do="" hev)-166,="" p1495="" signal<br="" solenoid="" to="" valve="">#2 CIRCUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1496	EGR Solenoid Valve Signal #3 Circuit Malfunction (Low Input)	<ref. #3="" (dtc)="" (low="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(h4do="" hev)-166,="" input),="" malfunction="" p1496="" signal="" solenoid="" to="" trouble="" valve=""></ref.>
P1497	EGR Solenoid Valve Signal #3 Circuit Malfunction (High Input)	<ref. #3="" (dtc)="" (high="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(h4do="" hev)-166,="" input),="" malfunction="" p1497="" signal="" solenoid="" to="" trouble="" valve=""></ref.>
P1498	EGR Solenoid Valve Signal #4 Circuit Malfunction (Low Input)	<ref. #4="" (dtc)="" (low="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(h4do="" hev)-166,="" input),="" malfunction="" p1498="" signal="" solenoid="" to="" trouble="" valve=""></ref.>
P1499	EGR Solenoid Valve Signal #4 Circuit Malfunction (High Input)	<ref. #4="" (dtc)="" (high="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(h4do="" hev)-166,="" input),="" malfunction="" p1499="" signal="" solenoid="" to="" trouble="" valve=""></ref.>
P2004	Intake Manifold Runner Control Stuck Open (Bank 1)	<ref. (bank="" (dtc)="" 1),="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-167,="" intake="" manifold="" open="" p2004="" runner="" stuck="" to="" trouble=""></ref.>
P2005	Intake Manifold Runner Control Stuck Open (Bank 2)	<ref. (bank="" (dtc)="" 2),="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-168,="" intake="" manifold="" open="" p2005="" runner="" stuck="" to="" trouble=""></ref.>
P2006	Intake Manifold Runner Control Stuck Closed (Bank 1)	<ref. (bank="" (dtc)="" 1),="" closed="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-169,="" intake="" manifold="" p2006="" runner="" stuck="" to="" trouble=""></ref.>
P2007	Intake Manifold Runner Control Stuck Closed (Bank 2)	<ref. (bank="" (dtc)="" 2),="" closed="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-170,="" intake="" manifold="" p2007="" runner="" stuck="" to="" trouble=""></ref.>
P2009	Intake Manifold Runner Control Circuit Low (Bank 1)	<ref. (bank="" (dtc)="" 1),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-171,="" intake="" low="" manifold="" p2009="" runner="" to="" trouble=""></ref.>
P2012	Intake Manifold Runner Control Circuit Low (Bank 2)	<ref. (bank="" (dtc)="" 2),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-171,="" intake="" low="" manifold="" p2012="" runner="" to="" trouble=""></ref.>

DTC	Item	Note
P2096	Post Catalyst Fuel Trim System Too Lean (Bank 1)	<ref. (bank="" (dtc)="" 1),="" catalyst="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4do="" hev)-172,="" lean="" p2096="" post="" system="" to="" too="" trim="" trouble=""></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich (Bank 1)	<ref. (bank="" (dtc)="" 1),="" catalyst="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(h4do="" hev)-173,="" p2097="" post="" rich="" system="" to="" too="" trim="" trouble=""></ref.>
P2101	Throttle Actuator Control Motor Circuit Range/Performance	<ref. (dtc)="" actuator="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-174,="" motor="" p2101="" performance,="" range="" throttle="" to="" trouble=""></ref.>
P2102	Throttle Actuator Control Motor Circuit Low	<ref. (dtc)="" actuator="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-175,="" low,="" motor="" p2102="" throttle="" to="" trouble=""></ref.>
P2103	Throttle Actuator Control Motor Circuit High	<ref. actuator="" control<br="" dtc="" gd(h4do="" hev)-176,="" p2103="" throttle="" to="">MOTOR CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	<ref. "a"="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-177,="" minimum="" p2109="" pedal="" performance,="" position="" sensor="" stop="" throttle="" to="" trouble=""></ref.>
P2119	Throttle Actuator Control Throttle Body Range/Performance	<ref. (dtc)="" actuator="" body="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-178,="" p2119="" performance,="" range="" throttle="" to="" trouble=""></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. "d"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-180,="" input,="" low="" p2122="" pedal="" position="" sensor="" switch="" throttle="" to="" trouble=""></ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. dtc="" gd(h4do="" hev)-181,="" p2123="" pedal="" position<br="" throttle="" to="">SENSOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. "e"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-182,="" input,="" low="" p2127="" pedal="" position="" sensor="" switch="" throttle="" to="" trouble=""></ref.>
P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. "e"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-183,="" high="" input,="" p2128="" pedal="" position="" sensor="" switch="" throttle="" to="" trouble=""></ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation	<ref. "a"="" "b"="" (dtc)="" code="" correlation,="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-184,="" p2135="" pedal="" position="" sensor="" switch="" throttle="" to="" trouble="" voltage=""></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation	<ref. "d"="" "e"="" (dtc)="" code="" correlation,="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-186,="" p2138="" pedal="" position="" sensor="" switch="" throttle="" to="" trouble="" voltage=""></ref.>
P2195	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 1)	<ref. <br="" biased="" dtc="" gd(h4do="" hev)-188,="" o2="" p2195="" sensor="" signal="" to="">STUCK LEAN (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2196	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 1)	<ref. <br="" biased="" dtc="" gd(h4do="" hev)-190,="" o2="" p2196="" sensor="" signal="" to="">STUCK RICH (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2270	Bank 1 Air-Fuel Ratio Imbalance	<ref. <br="" biased="" dtc="" gd(h4do="" hev)-197,="" o2="" p2270="" sensor="" signal="" to="">STUCK LEAN (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2271	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 2)	<ref. <br="" biased="" dtc="" gd(h4do="" hev)-199,="" o2="" p2271="" sensor="" signal="" to="">STUCK RICH (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P219A	Bank 1 Air-Fuel Ratio Imbalance	<ref. (dtc)="" 1="" air-fuel="" bank="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-192,="" imbal-ance,="" p219a="" ratio="" to="" trouble=""></ref.>
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" detection="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-200,="" leak="" low,="" p2401="" pump="" system="" to="" trouble=""></ref.>
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" detection="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-201,="" high,="" leak="" p2402="" pump="" system="" to="" trouble=""></ref.>

DTC	Item	Note
P2404	Evaporative Emission System Leak Detection Pump Sense Circuit Range/Performance	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" detection="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-202,="" leak="" p2404="" performance,="" pump="" range="" sense="" system="" to="" trouble=""></ref.>
P2419	Evaporative Emission System Switching Valve Control Circuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-203,="" low,="" p2419="" switching="" system="" to="" trouble="" valve=""></ref.>
P2420	Evaporative Emission System Switching Valve Control Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(h4do="" hev)-204,="" high,="" p2420="" switching="" system="" to="" trouble="" valve=""></ref.>
P2530	Ignition Switch Run Position Circuit	<ref. (dtc)="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-205,="" ignition="" p2530="" position="" run="" switch="" to="" trouble=""></ref.>
P2610	ECM/PCM Internal Engine Off Timer Performance	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" ecm="" engine="" gd(h4do="" hev)-206,="" internal="" off="" p2610="" pcm="" performance,="" timer="" to="" trouble=""></ref.>
U0073	Control Module Communication Bus Off	<ref. communi-<br="" control="" dtc="" gd(h4do="" hev)-214,="" module="" to="" u0073="">CATION BUS OFF, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
U0075	Control Module Communication Bus "PU-CAN" Off	<ref. communi-<br="" control="" dtc="" gd(h4do="" hev)-215,="" module="" to="" u0075="">CATION BUS "PU-CAN" OFF, Diagnostic Trouble Code (DTC) Detecting Crite- ria.></ref.>
U0101	Lost Communication With TCM	<ref. (dtc)="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-216,="" lost="" tcm,="" to="" trouble="" u0101="" with=""></ref.>
U0122	Lost Communication With Vehicle Dynamics Control Module	<ref. (dtc)="" code="" communication="" control="" criteria.="" detecting="" diagnostic="" dtc="" dynamics="" gd(h4do="" hev)-217,="" lost="" module,="" to="" trouble="" u0122="" vehicle="" with=""></ref.>
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module	<ref. (dtc)="" (ipc)="" cluster="" code="" communication="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-217,="" instrument="" lost="" module,="" panel="" to="" trouble="" u0155="" with=""></ref.>
U0284	Lost Communication With Active Grille Shutter Module "A"	<ref. "a",="" (dtc)="" active="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" grille="" hev)-218,="" lost="" module="" shutter="" to="" trouble="" u0284="" with=""></ref.>
U0293	Lost Communication With Hybrid Powertrain Control Module	<ref. (dtc)="" code="" communication="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-219,="" hybrid="" lost="" module,="" powertrain="" to="" trouble="" u0293="" with=""></ref.>
U0402	Invalid Data Received From TCM	<ref. (dtc)="" code="" criteria.="" data="" detecting="" diagnostic="" dtc="" from="" gd(h4do="" hev)-220,="" invalid="" received="" tcm,="" to="" trouble="" u0402=""></ref.>
U0416	Invalid Data Received From Vehicle Dynamics Control Module	<ref. (dtc)="" code="" control="" criteria.="" data="" detecting="" diagnostic="" dtc="" dynamics="" from="" gd(h4do="" hev)-220,="" invalid="" module,="" received="" to="" trouble="" u0416="" vehicle=""></ref.>
U0423	Invalid Data Received From Instrument Panel Cluster Control Module	<ref. (dtc)="" cluster="" code="" control="" criteria.="" data="" detecting="" diagnostic="" dtc="" from="" gd(h4do="" hev)-220,="" instrument="" invalid="" module,="" panel="" received="" to="" trouble="" u0423=""></ref.>
U0594	Invalid Data Received From Hybrid Powertrain Control Module	<ref. (dtc)="" code="" control="" criteria.="" data="" detecting="" diagnostic="" dtc="" from="" gd(h4do="" hev)-221,="" hybrid="" invalid="" module,="" powertrain="" received="" to="" trouble="" u0594=""></ref.>
U1101	Lost Communication With TCM PU- CAN	<ref. (dtc)="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(h4do="" hev)-222,="" lost="" pu-can,="" tcm="" to="" trouble="" u1101="" with=""></ref.>
U1293	Lost Communication With Hybrid Powertrain Control Module PU-CAN	<ref. communication="" dtc="" gd(h4do="" hev)-223,="" lost="" to="" u1293="" with<br="">HYBRID POWERTRAIN CONTROL MODULE PU-CAN, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
U1402	Invalid Data Received From TCM PU-CAN	<ref. (dtc)="" code="" criteria.="" data="" detecting="" diagnostic="" dtc="" from="" gd(h4do="" hev)-224,="" invalid="" pu-can,="" received="" tcm="" to="" trouble="" u1402=""></ref.>
U1594	Invalid Data Received From Hybrid Powertrain Control Module PU-CAN	<ref. (dtc)="" code="" control="" criteria.="" data="" detecting="" diagnostic="" dtc="" from="" gd(h4do="" hev)-225,="" hybrid="" invalid="" module="" powertrain="" pu-can,="" received="" to="" trouble="" u1594=""></ref.>