18.List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Note
B1570	Antenna	<ref. (dtc).="" antenna,="" b1570="" code="" diagnostic="" dtc="" im(diag)-16,="" procedure="" to="" trouble="" with=""></ref.>
B1571	Reference Code Incompatibility	<ref. (dtc).="" b1571="" code="" diagnostic="" dtc="" im(diag)-18,="" incompatibility,="" procedure="" reference="" to="" trouble="" with=""> <ref. (dtc).="" b1571="" code="" diagnostic="" dtc="" incompatibility,="" kps(diag)-104,="" procedure="" reference="" to="" trouble="" with=""></ref.></ref.>
B1572	IMM Circuit Failure (Except Antenna Circuit)	<ref. (dtc).="" (except="" antenna="" b1572="" circuit="" circuit),="" code="" diagnostic="" dtc="" failure="" im(diag)-19,="" imm="" procedure="" to="" trouble="" with=""> <ref. (dtc).="" (except="" antenna="" b1572="" circuit="" circuit),="" code="" diagnostic="" dtc="" failure="" imm="" kps(diag)-105,="" procedure="" to="" trouble="" with=""></ref.></ref.>
B1574	Key Communication Failure	<ref. (dtc).="" b1574="" code="" communication="" diagnostic="" dtc="" failure,="" im(diag)-21,="" key="" procedure="" to="" trouble="" with=""></ref.>
B1575	Incorrect Immobilizer Key	<ref. (dtc).="" b1575="" code="" diagnostic="" dtc="" im(diag)-22,="" immobilizer="" incorrect="" key,="" procedure="" to="" trouble="" with=""></ref.>
B1576	EGI Control Module EEPROM	<ref. (dtc).="" b1576="" code="" control="" diagnostic="" dtc="" eeprom,="" egi="" im(diag)-22,="" module="" procedure="" to="" trouble="" with=""> <ref. (dtc).="" b1576="" code="" control="" diagnostic="" dtc="" eeprom,="" egi="" kps(diag)-109,="" module="" procedure="" to="" trouble="" with=""></ref.></ref.>
B1577	IMM Control Module EEPROM	<ref. (dtc).="" b1577="" code="" control="" diagnostic="" dtc="" eeprom,="" im(diag)-23,="" imm="" module="" procedure="" to="" trouble="" with=""> <ref. (dtc).="" b1577="" code="" control="" diagnostic="" dtc="" eeprom,="" imm="" kps(diag)-109,="" module="" procedure="" to="" trouble="" with=""></ref.></ref.>
B1578	Meter Failure	<ref. (dtc).="" b1578="" code="" diagnostic="" dtc="" failure,="" im(diag)-23,="" meter="" procedure="" to="" trouble="" with=""></ref.>
P000A	A Camshaft Position Slow Response (Bank 1)	<ref. (bank="" (dtc).="" 1),="" a="" camshaft="" code="" diagnostic="" dtc="" en(sti)(diag)-96,="" p000a="" position="" procedure="" response="" slow="" to="" trouble="" with=""></ref.>
P000B	B Camshaft Position Slow Response (Bank 1)	<ref. (bank="" (dtc).="" 1),="" b="" camshaft="" code="" diagnostic="" dtc="" en(sti)(diag)-96,="" p000b="" position="" procedure="" response="" slow="" to="" trouble="" with=""></ref.>
P000C	A Camshaft Position Slow Response (Bank 2)	<ref. (bank="" (dtc).="" 2),="" a="" camshaft="" code="" diagnostic="" dtc="" en(sti)(diag)-96,="" p000c="" position="" procedure="" response="" slow="" to="" trouble="" with=""></ref.>
P000D	B Camshaft Position Slow Response (Bank 2)	<ref. (bank="" (dtc).="" 2),="" b="" camshaft="" code="" diagnostic="" dtc="" en(sti)(diag)-96,="" p000d="" position="" procedure="" response="" slow="" to="" trouble="" with=""></ref.>
P0011	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 1)	<ref. (bank="" (dtc).="" -="" 1),="" camshaft="" code="" diagnostic="" dtc="" en(sti)(diag)-97,="" intake="" or="" over-advanced="" p0011="" performance="" position="" procedure="" system="" tim-ing="" to="" trouble="" with=""></ref.>
P0014	Exhaust AVCS System 1 (Range/ Performance)	<ref. (dtc).="" (range="" 1="" avcs="" code="" diagnostic="" dtc="" en(sti)(diag)-98,="" exhaust="" p0014="" performance),="" procedure="" system="" to="" trouble="" with=""></ref.>
P0016	Crankshaft Position - Camshaft Position Correlation (Bank1)	<ref. (bank1),="" (dtc).="" -="" camshaft="" code="" correlation="" crankshaft="" diagnostic="" dtc="" en(sti)(diag)-99,="" p0016="" position="" procedure="" to="" trouble="" with=""></ref.>
P0017	Crank and Cam Timing B System Failure (Bank 1)	<ref. (bank="" (dtc).="" 1),="" and="" b="" cam="" code="" crank="" diagnostic="" dtc="" en(sti)(diag)-100,="" failure="" p0017="" procedure="" system="" timing="" to="" trouble="" with=""></ref.>
P0018	Crankshaft Position - Camshaft Position Correlation (Bank2)	<ref. -="" cam-<br="" crankshaft="" dtc="" en(sti)(diag)-101,="" p0018="" position="" to="">SHAFT POSITION CORRELATION (BANK2), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0019	Crank and Cam Timing B System Failure (Bank 2)	<ref. (bank="" (dtc).="" 2),="" and="" b="" cam="" code="" crank="" diagnostic="" dtc="" en(sti)(diag)-102,="" failure="" p0019="" procedure="" system="" timing="" to="" trouble="" with=""></ref.>

DTC	Item	Note
P0021	Intake Camshaft Position - Timing	<ref. -="" camshaft="" dtc="" en(sti)(diag)-103,="" intake="" p="" p0021="" position="" tim-<="" to=""></ref.>
	Over-Advanced or System Perfor-	ING OVER-ADVANCED OR SYSTEM PERFORMANCE (BANK 2), Diagnostic
	mance (Bank 2)	Procedure with Diagnostic Trouble Code (DTC).>
P0024	Exhaust AVCS System 2 (Range/ Performance)	<ref. (range="" 2="" <br="" avcs="" dtc="" en(sti)(diag)-104,="" exhaust="" p0024="" system="" to="">PERFORMANCE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-105,="" heater="" ho2s="" p0030="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-107,="" heater="" ho2s="" low="" p0031="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" en(sti)(diag)-109,="" heater="" ho2s="" p0032="" to="">HIGH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-111,="" heater="" ho2s="" low="" p0037="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-113,="" heater="" high="" ho2s="" p0038="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0068	MAP/MAF - Throttle Position Correlation	<ref. (dtc).="" -="" code="" correlation,="" diagnostic="" dtc="" en(sti)(diag)-115,="" maf="" map="" p0068="" position="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P0071	Ambient Temperature Sensor Circuit "A" Range/Performance	<ref. "a"="" (dtc).="" ambient="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-116,="" p0071="" performance,="" procedure="" range="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0072	Ambient Temperature Sensor Circuit "A" Low	<ref. "a"="" (dtc).="" ambient="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-117,="" low,="" p0072="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0073	Ambient Temperature Sensor Circuit "A" High	<ref. "a"="" (dtc).="" ambient="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-117,="" high,="" p0073="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. air="" cir-<br="" dtc="" en(sti)(diag)-118,="" flow="" mass="" or="" p0101="" to="" volume="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. air="" cir-<br="" dtc="" en(sti)(diag)-119,="" flow="" mass="" or="" p0102="" to="" volume="">CUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. air="" cir-<br="" dtc="" en(sti)(diag)-121,="" flow="" mass="" or="" p0103="" to="" volume="">CUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input	<ref. <br="" absolute="" dtc="" en(sti)(diag)-123,="" manifold="" p0107="" pressure="" to="">BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High Input	<ref. <br="" absolute="" dtc="" en(sti)(diag)-125,="" manifold="" p0108="" pressure="" to="">BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0111	Intake Air Temperature Sensor Range/Performance Problem	<ref. (dtc).="" air="" code="" diagnostic="" dtc="" en(sti)(diag)-127,="" intake="" p0111="" performance="" problem,="" procedure="" range="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0112	Intake Air Temperature Sensor 1 Circuit Low	<ref. air="" dtc="" en(sti)(diag)-128,="" intake="" p0112="" sensor<br="" temperature="" to="">1 CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0113	Intake Air Temperature Sensor 1 Circuit High	<ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-130,="" high,="" intake="" p0113="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Performance	<ref. (dtc).="" 1="" circuit="" code="" coolant="" diagnostic="" dtc="" en(sti)(diag)-132,="" engine="" p0116="" performance,="" procedure="" range="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0117	Engine Coolant Temperature Circuit Low	<ref. (dtc).="" circuit="" code="" coolant="" diagnostic="" dtc="" en(sti)(diag)-133,="" engine="" low,="" p0117="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P0118	Engine Coolant Temperature Circuit High	<ref. coolant="" dtc="" en(sti)(diag)-135,="" engine="" p0118="" temperature<br="" to="">CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Note
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-137,="" low,="" p0122="" pedal="" position="" procedure="" sen-sor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High	<ref. dtc="" en(sti)(diag)-140,="" p0123="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "A" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. (dtc).="" closed="" code="" control,="" coolant="" diagnostic="" dtc="" en(sti)(diag)-143,="" for="" fuel="" insufficient="" loop="" p0125="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P0128	Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature)	<ref. (dtc).="" (engine="" below="" code="" coolant="" diagnostic="" dtc="" en(sti)(diag)-144,="" p0128="" procedure="" regulating="" temperature="" temperature),="" thermostat="" to="" trouble="" with=""></ref.>
P0131	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-145,="" low="" o2="" p0131="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0132	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-147,="" high="" o2="" p0132="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(sti)(diag)-149,="" 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(sti)(diag)-151,="" 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(sti)(diag)-153,="" high="" o2="" p0138="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P013A	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" -="" 1="" 2),="" code="" diagnostic="" dtc="" en(sti)(diag)-155,="" lean="" o2="" p013a="" procedure="" response="" rich="" sensor="" slow="" to="" trouble="" with=""></ref.>
P013B	O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 2)	<ref. -<br="" dtc="" en(sti)(diag)-157,="" o2="" p013b="" response="" sensor="" slow="" to="">LEAN TO RICH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P013E	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" -="" 1="" 2),="" code="" delayed="" diagnostic="" dtc="" en(sti)(diag)-157,="" lean="" o2="" p013e="" procedure="" response="" rich="" sensor="" to="" trouble="" with=""></ref.>
P013F	O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" -="" 1="" 2),="" code="" delayed="" diagnostic="" dtc="" en(sti)(diag)-157,="" lean="" o2="" p013f="" procedure="" response="" rich="" sensor="" to="" trouble="" with=""></ref.>
P0141	O2 Sensor Heater Circuit (Bank1 Sensor2)	<ref. (bank1="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-157,="" heater="" o2="" p0141="" procedure="" sensor="" sensor2),="" to="" trouble="" with=""></ref.>
P014C	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" -="" 1="" 1),="" code="" diagnostic="" dtc="" en(sti)(diag)-158,="" lean="" o2="" p014c="" procedure="" response="" rich="" sensor="" slow="" to="" trouble="" with=""></ref.>
P014D	O2 Sensor Slow Response - Lean to Rich (Bank 1 Sensor 1)	<ref. -<br="" dtc="" en(sti)(diag)-158,="" o2="" p014d="" response="" sensor="" slow="" to="">LEAN TO RICH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P015A	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" -="" 1="" 1),="" code="" delayed="" diagnostic="" dtc="" en(sti)(diag)-158,="" lean="" o2="" p015a="" procedure="" response="" rich="" sensor="" to="" trouble="" with=""></ref.>
P015B	O2 Sensor Delayed Response - Lean to Rich (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" -="" 1="" 1),="" code="" delayed="" diagnostic="" dtc="" en(sti)(diag)-158,="" lean="" o2="" p015b="" procedure="" response="" rich="" sensor="" to="" trouble="" with=""></ref.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(sti)(diag)-158,="" lean="" p0171="" procedure="" system="" to="" too="" trouble="" with=""></ref.>

DTC	Item	Note
P0172	System Too Rich (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(sti)(diag)-159,="" p0172="" procedure="" rich="" system="" to="" too="" trouble="" with=""></ref.>
P0201	Injector #1	<ref. #1,="" (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-161,="" injector="" p0201="" procedure="" to="" trouble="" with=""></ref.>
P0202	Injector #2	<ref. #2,="" (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-163,="" injector="" p0202="" procedure="" to="" trouble="" with=""></ref.>
P0203	Injector #3	<ref. #3,="" (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-163,="" injector="" p0203="" procedure="" to="" trouble="" with=""></ref.>
P0204	Injector #4	<ref. #4,="" (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-163,="" injector="" p0204="" procedure="" to="" trouble="" with=""></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low	<ref. dtc="" en(sti)(diag)-164,="" p0222="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "B" CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High	<ref. dtc="" en(sti)(diag)-167,="" p0223="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "B" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0230	Fuel Pump Primary Circuit	<ref. (dtc).="" circuit,="" code="" diagnostic="" dtc="" en(sti)(diag)-170,="" fuel="" p0230="" primary="" procedure="" pump="" to="" trouble="" with=""></ref.>
P0244	Turbo/Super Charger Wastegate Solenoid "A" Range/Performance	<ref. "a"="" (dtc).="" charger="" code="" diagnostic="" dtc="" en(sti)(diag)-173,="" p0244="" performance,="" procedure="" range="" solenoid="" super="" to="" trouble="" turbo="" waste-gate="" with=""></ref.>
P0245	Turbo/Super Charger Wastegate Solenoid "A" Low	<ref. "a"="" (dtc).="" charger="" code="" diagnostic="" dtc="" en(sti)(diag)-174,="" low,="" p0245="" procedure="" solenoid="" super="" to="" trouble="" turbo="" waste-gate="" with=""></ref.>
P0246	Turbo/Super Charger Wastegate Solenoid "A" High	<ref. "a"="" (dtc).="" charger="" code="" diagnostic="" dtc="" en(sti)(diag)-176,="" high,="" p0246="" procedure="" solenoid="" super="" to="" trouble="" turbo="" waste-gate="" with=""></ref.>
P0300	Random/Multiple Cylinder Misfire Detected	<ref. cylinder="" dtc="" en(sti)(diag)-178,="" mis-<br="" multiple="" p0300="" random="" to="">FIRE DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. (dtc).="" 1="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(sti)(diag)-182,="" misfire="" p0301="" procedure="" to="" trouble="" with=""></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc).="" 2="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(sti)(diag)-182,="" misfire="" p0302="" procedure="" to="" trouble="" with=""></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. (dtc).="" 3="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(sti)(diag)-182,="" misfire="" p0303="" procedure="" to="" trouble="" with=""></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. (dtc).="" 4="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(sti)(diag)-183,="" misfire="" p0304="" procedure="" to="" trouble="" with=""></ref.>
P0327	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)	<ref. 1="" circuit="" dtc="" en(sti)(diag)-189,="" knock="" low<br="" p0327="" sensor="" to="">(BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0328	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-191,="" high="" knock="" or="" p0328="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. crankshaft="" dtc="" en(sti)(diag)-193,="" p0335="" position="" sensor<br="" to="">"A" CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc).="" circuit="" code="" crankshaft="" diagnostic="" dtc="" en(sti)(diag)-195,="" 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(sti)(diag)-196,="" 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(sti)(diag)-198,="" or="" p0341="" performance="" position="" procedure="" range="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0345	Camshaft Position Sensor "A" Circuit (Bank 2)	<ref. "a"="" (bank="" (dtc).="" 2),="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-199,="" p0345="" position="" procedure="" sensor="" to="" trouble="" with=""></ref.>

List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

DTC	Item	Note
P0346	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 2)	<ref. "a"="" (bank="" (dtc).="" 2),="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-201,="" p0346="" performance="" position="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0351	Ignition Coil A Primary/Secondary Circuit	<ref. (dtc).="" a="" circuit,="" code="" coil="" diagnostic="" dtc="" en(sti)(diag)-202,="" ignition="" p0351="" primary="" procedure="" second-ary="" to="" trouble="" with=""></ref.>
P0352	Ignition Coil B Primary/Secondary Circuit	<ref. (dtc).="" b="" circuit,="" code="" coil="" diagnostic="" dtc="" en(sti)(diag)-204,="" ignition="" p0352="" primary="" procedure="" second-ary="" to="" trouble="" with=""></ref.>
P0353	Ignition Coil C Primary/Secondary Circuit	<ref. (dtc).="" c="" circuit,="" code="" coil="" diagnostic="" dtc="" en(sti)(diag)-204,="" ignition="" p0353="" primary="" procedure="" second-ary="" to="" trouble="" with=""></ref.>
P0354	Ignition Coil D Primary/Secondary Circuit	<ref. (dtc).="" circuit,="" code="" coil="" d="" diagnostic="" dtc="" en(sti)(diag)-204,="" ignition="" p0354="" primary="" procedure="" second-ary="" to="" trouble="" with=""></ref.>
P0365	Camshaft Position Sensor "B" Circuit (Bank 1)	<ref. "b"="" (bank="" (dtc).="" 1),="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-205,="" p0365="" position="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0366	Camshaft Position Sensor B Circuit Range/Performance (Bank 1)	<ref. (bank="" (dtc).="" 1),="" b="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-207,="" p0366="" performance="" position="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0390	Camshaft Position Sensor "B" Circuit (Bank 2)	<ref. "b"="" (bank="" (dtc).="" 2),="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-208,="" p0390="" position="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0391	Camshaft Position Sensor B Circuit Range/Performance (Bank 2)	<ref. (bank="" (dtc).="" 2),="" b="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-210,="" p0391="" performance="" position="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0410	Secondary Air Injection System	<ref. (dtc).="" air="" code="" diagnostic="" dtc="" en(sti)(diag)-211,="" injection="" p0410="" procedure="" secondary="" system,="" to="" trouble="" with=""></ref.>
P0411	Secondary Air Injection System Incorrect Flow Detected	<ref. (dtc).="" air="" code="" detected,="" diagnostic="" dtc="" en(sti)(diag)-216,="" flow="" incorrect="" injection="" p0411="" procedure="" secondary="" system="" to="" trouble="" with=""></ref.>
P0413	Secondary Air Injection System Switching Valve "A" Circuit Open	<ref. "a"="" (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-217,="" injection="" open,="" p0413="" procedure="" secondary="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P0414	Secondary Air Injection System Switching Valve "A" Circuit Shorted	<ref. "a"="" (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-220,="" injection="" p0414="" procedure="" secondary="" shorted,="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P0416	Secondary Air Injection System Switching Valve "B" Circuit Open	<ref. "b"="" (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-222,="" injection="" open,="" p0416="" procedure="" secondary="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P0417	Secondary Air Injection System Switching Valve "B" Circuit Shorted	<ref. "b"="" (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-222,="" injection="" p0417="" procedure="" secondary="" shorted,="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. (bank="" (dtc).="" 1),="" below="" catalyst="" code="" diagnostic="" dtc="" efficiency="" en(sti)(diag)-223,="" p0420="" procedure="" system="" threshold="" to="" trouble="" with=""></ref.>
P0441	Evaporative Emission Cont. Sys. Incorrect Purge Flow	<ref. (dtc).="" code="" cont.="" diagnostic="" dtc="" emission="" en(sti)(diag)-228,="" evaporative="" flow,="" incorrect="" p0441="" procedure="" purge="" sys.="" to="" trouble="" with=""></ref.>
P0451	Evaporative Emission System Pressure Sensor/Switch Range/ Performance	<ref. (dtc).="" code="" diagnostic="" dtc="" emission="" en(sti)(diag)-229,="" evaporative="" p0451="" performance,="" pressure="" procedure="" range="" sensor="" switch="" system="" to="" trouble="" with=""></ref.>
P0452	Evaporative Emission System Pressure Sensor/Switch Low	<ref. (dtc).="" code="" diagnostic="" dtc="" emission="" en(sti)(diag)-230,="" evaporative="" low,="" p0452="" pressure="" procedure="" sensor="" switch="" system="" to="" trouble="" with=""></ref.>
P0453	Evaporative Emission System Pressure Sensor/Switch High	<ref. (dtc).="" code="" diagnostic="" dtc="" emission="" en(sti)(diag)-232,="" evaporative="" high,="" p0453="" pressure="" procedure="" sensor="" switch="" system="" to="" trouble="" with=""></ref.>
P0455	Evaporative Emission System Leak Detected (Large Leak)	<ref. (dtc).="" (large="" code="" detected="" diagnostic="" dtc="" emission="" en(sti)(diag)-234,="" evaporative="" leak="" leak),="" p0455="" procedure="" system="" to="" trouble="" with=""></ref.>

DTC	Item	Note
P0456	Evaporative Emission Control System Leak Detected (Very Small Leak)	<ref. control<br="" dtc="" emission="" en(sti)(diag)-235,="" evaporative="" p0456="" to="">SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0458	Evaporative Emission System Purge Control Valve Circuit Low	<ref. dtc="" emission="" en(sti)(diag)-236,="" evaporative="" p0458="" system<br="" to="">PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0459	Evaporative Emission System Purge Control Valve Circuit High	<ref. dtc="" emission="" en(sti)(diag)-238,="" evaporative="" p0459="" system<br="" to="">PURGE CONTROL VALVE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0461	Fuel Level Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-240,="" fuel="" level="" p0461="" performance,="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0462	Fuel Level Sensor "A" Circuit Low	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-240,="" fuel="" level="" low,="" p0462="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0463	Fuel Level Sensor "A" Circuit High	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-241,="" fuel="" high,="" level="" p0463="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P04AC	Evap System Purge Control Valve "B" Circuit Low	<ref. "b"="" (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-242,="" evap="" low,="" p04ac="" procedure="" purge="" system="" to="" trouble="" valve="" with=""></ref.>
P04AD	Evap System Purge Control Valve "B" Circuit High	<ref. "b"="" (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-244,="" evap="" high,="" p04ad="" procedure="" purge="" system="" to="" trouble="" valve="" with=""></ref.>
P04DB	Crankcase Ventilation System Disconnected	<ref. (dtc).="" code="" crankcase="" diagnostic="" disconnected,="" dtc="" en(sti)(diag)-246,="" p04db="" procedure="" system="" to="" trouble="" ventilation="" with=""></ref.>
P0500	Vehicle Speed Sensor "A"	<ref. "a",="" (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-248,="" 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(sti)(diag)-249,="" 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(sti)(diag)-250,="" expected,="" higher="" idle="" p0507="" procedure="" rpm="" system="" than="" to="" trouble="" with=""></ref.>
P050A	Cold Start Idle Air Control System Performance	<ref. (dtc).="" air="" code="" cold="" control="" diagnostic="" dtc="" en(sti)(diag)-251,="" idle="" p050a="" performance,="" procedure="" start="" system="" to="" trouble="" with=""></ref.>
P050B	Cold Start Ignition Timing Performance	<ref. (dtc).="" code="" cold="" diagnostic="" dtc="" en(sti)(diag)-261,="" ignition="" p050b="" per-formance,="" procedure="" start="" timing="" to="" trouble="" with=""></ref.>
P0512	Starter Request Circuit	<ref. (dtc).="" circuit,="" code="" diagnostic="" dtc="" en(sti)(diag)-262,="" p0512="" procedure="" request="" starter="" to="" trouble="" with=""></ref.>
P0560	System Voltage	<ref. (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-265,="" p0560="" procedure="" system="" to="" trouble="" voltage,="" with=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. (dtc).="" (ram)="" access="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-267,="" error,="" internal="" memory="" module="" p0604="" procedure="" random="" to="" trouble="" with=""></ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. (dtc).="" (rom)="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-267,="" error,="" internal="" memory="" module="" only="" p0605="" procedure="" read="" to="" trouble="" with=""></ref.>
P0606	Control Module Processor	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-268,="" module="" p0606="" procedure="" processor,="" to="" trouble="" with=""></ref.>
P060A	Internal Control Module Monitor- ing Processor Performance	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-269,="" internal="" module="" mon-itoring="" p060a="" performance,="" procedure="" processor="" to="" trouble="" with=""></ref.>
P060B	Internal Control Module A/D Processing Performance	<ref. (dtc).="" a="" code="" control="" d="" diagnostic="" dtc="" en(sti)(diag)-269,="" internal="" module="" p060b="" performance,="" procedure="" processing="" to="" trouble="" with=""></ref.>

List of Diagnostic Trouble Code (DTC)

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DTC	Item	Note
P0616	Starter Relay Circuit Low	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-270,="" low,="" p0616="" procedure="" relay="" starter="" to="" trouble="" with=""></ref.>
P0617	Starter Relay Circuit High	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-274,="" high,="" p0617="" procedure="" relay="" starter="" to="" trouble="" with=""></ref.>
P062F	Internal Control Module EEPROM Error	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" eeprom="" en(sti)(diag)-278,="" error,="" internal="" module="" p062f="" procedure="" to="" trouble="" with=""></ref.>
P0685	ECM/PCM Power Relay Control Circuit/Open	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" ecm="" en(sti)(diag)-279,="" open,="" p0685="" pcm="" power="" procedure="" relay="" to="" trouble="" with=""></ref.>
P081A	Starter Disable Circuit Low	<ref. (dtc).="" circuit="" code="" diagnostic="" disable="" dtc="" en(sti)(diag)-281,="" low,="" p081a="" procedure="" starter="" to="" trouble="" with=""></ref.>
P0851	Neutral Switch Input Circuit Low (MT Model)	<ref. (dtc).="" (mt="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-284,="" input="" low="" model),="" neutral="" p0851="" procedure="" switch="" to="" trouble="" with=""></ref.>
P0852	Neutral Switch Input Circuit High (MT Model)	<ref. (dtc).="" (mt="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-285,="" high="" input="" model),="" neutral="" p0852="" procedure="" switch="" to="" trouble="" with=""></ref.>
P1160	Return Spring Failure	<ref. (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-286,="" failure,="" p1160="" procedure="" return="" spring="" to="" trouble="" with=""></ref.>
P1410	Secondary Air Injection System Switching Valve Stuck Open	<ref. (dtc).="" air="" code="" diagnostic="" dtc="" en(sti)(diag)-287,="" injection="" open,="" p1410="" procedure="" secondary="" stuck="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P1449	Evaporative Emission Cont. Sys. Air Filter Clog	<ref. (dtc).="" air="" clog,="" code="" cont.="" diagnostic="" dtc="" emission="" en(sti)(diag)-288,="" evaporative="" filter="" p1449="" procedure="" sys.="" to="" trouble="" with=""></ref.>
P1451	Evaporative Emission Cont. Sys.	<ref. (dtc).="" code="" cont.="" diagnostic="" dtc="" emission="" en(sti)(diag)-289,="" evaporative="" p1451="" procedure="" sys.,="" to="" trouble="" with=""></ref.>
P2004	Intake Manifold Runner Control Stuck Open (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-290,="" intake="" manifold="" open="" p2004="" procedure="" runner="" stuck="" to="" trouble="" with=""></ref.>
P2005	Intake Manifold Runner Control Stuck Open (Bank 2)	<ref. (bank="" (dtc).="" 2),="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-291,="" intake="" manifold="" open="" p2005="" procedure="" runner="" stuck="" to="" trouble="" with=""></ref.>
P2006	Intake Manifold Runner Control Stuck Closed (Bank 1)	<ref. (bank="" (dtc).="" 1),="" closed="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-292,="" intake="" manifold="" p2006="" procedure="" runner="" stuck="" to="" trouble="" with=""></ref.>
P2007	Intake Manifold Runner Control Stuck Closed (Bank 2)	<ref. (bank="" (dtc).="" 2),="" closed="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-293,="" intake="" manifold="" p2007="" procedure="" runner="" stuck="" to="" trouble="" with=""></ref.>
P2008	Intake Manifold Runner Control Circuit / Open (Bank 1)	<ref. (bank="" (dtc).="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-294,="" intake="" manifold="" open="" p2008="" procedure="" runner="" to="" trouble="" with=""></ref.>
P2009	Intake Manifold Runner Control Circuit Low (Bank 1)	<ref. (bank="" (dtc).="" 1),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-296,="" intake="" low="" manifold="" p2009="" procedure="" runner="" to="" trouble="" with=""></ref.>
P2011	Intake Manifold Runner Control Circuit / Open (Bank 2)	<ref. (bank="" (dtc).="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-298,="" intake="" manifold="" open="" p2011="" procedure="" runner="" to="" trouble="" with=""></ref.>
P2012	Intake Manifold Runner Control Circuit Low (Bank 2)	<ref. (bank="" (dtc).="" 2),="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-300,="" intake="" low="" manifold="" p2012="" procedure="" runner="" to="" trouble="" with=""></ref.>
P2016	Tumble Generated Valve Position Sensor 1 Circuit Low	<ref. (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-302,="" generated="" low,="" p2016="" position="" procedure="" sensor="" to="" trouble="" tumble="" valve="" with=""></ref.>
P2017	Tumble Generated Valve Position Sensor 1 Circuit High	<ref. (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-305,="" generated="" high,="" p2017="" position="" procedure="" sensor="" to="" trouble="" tumble="" valve="" with=""></ref.>

DTC	Item	Note
P2021	Tumble Generated Valve Position Sensor 2 Circuit Low	<ref. (dtc).="" 2="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-308,="" generated="" low,="" p2021="" position="" procedure="" sensor="" to="" trouble="" tumble="" valve="" with=""></ref.>
P2022	Tumble Generated Valve Position Sensor 2 Circuit High	<ref. (dtc).="" 2="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-311,="" generated="" high,="" p2022="" position="" procedure="" sensor="" to="" trouble="" tumble="" valve="" with=""></ref.>
P2088	Intake Camshaft Position Actuator Control Circuit Low (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actu-ator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-314,="" intake="" low="" p2088="" position="" procedure="" to="" trouble="" with=""></ref.>
P2089	Intake Camshaft Position Actuator Control Circuit High (Bank 1)	<ref. actu-<br="" camshaft="" dtc="" en(sti)(diag)-316,="" intake="" p2089="" position="" to="">ATOR CONTROL CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P2090	Exhaust Camshaft Position Actuator Control Circuit Low (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-318,="" exhaust="" low="" p2090="" position="" procedure="" to="" trouble="" with=""></ref.>
P2091	Exhaust Camshaft Position Actuator Control Circuit High (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-320,="" exhaust="" high="" p2091="" position="" procedure="" to="" trouble="" with=""></ref.>
P2092	Intake Camshaft Position Actuator Control Circuit Low (Bank 2)	<ref. actu-<br="" camshaft="" dtc="" en(sti)(diag)-322,="" intake="" p2092="" position="" to="">ATOR CONTROL CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P2093	Intake Camshaft Position Actuator Control Circuit High (Bank 2)	<ref. actu-<br="" camshaft="" dtc="" en(sti)(diag)-324,="" intake="" p2093="" position="" to="">ATOR CONTROL CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2094	Exhaust Camshaft Position Actuator Control Circuit Low (Bank 2)	<ref. camshaft="" dtc="" en(sti)(diag)-326,="" exhaust="" p2094="" position<br="" to="">ACTUATOR CONTROL CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2095	Exhaust Camshaft Position Actuator Control Circuit High (Bank 2)	<ref. camshaft="" dtc="" en(sti)(diag)-328,="" exhaust="" p2095="" position<br="" to="">ACTUATOR CONTROL CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean (Bank 1)	<ref. (bank="" (dtc).="" 1),="" catalyst="" code="" diagnostic="" dtc="" en(sti)(diag)-330,="" fuel="" lean="" p2096="" post="" procedure="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich (Bank 1)	<ref. (bank="" (dtc).="" 1),="" catalyst="" code="" diagnostic="" dtc="" en(sti)(diag)-337,="" fuel="" p2097="" 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(sti)(diag)-344,="" 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(sti)(diag)-350,="" 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(sti)(diag)-352,="" high,="" motor="" p2103="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	<ref. dtc="" en(sti)(diag)-353,="" p2109="" pedal="" position="" sen-<br="" throttle="" to="">SOR "A" MINIMUM STOP PERFORMANCE, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P2119	Throttle Actuator Control Throttle Body Range/Performance	<ref. (dtc).="" actuator="" body="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-353,="" p2119="" performance,="" procedure="" range="" throttle="" to="" trouble="" with=""></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. dtc="" en(sti)(diag)-354,="" p2122="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. dtc="" en(sti)(diag)-356,="" p2123="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Note
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. dtc="" en(sti)(diag)-358,="" p2127="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "E" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. dtc="" en(sti)(diag)-360,="" p2128="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation	<ref. dtc="" en(sti)(diag)-362,="" p2135="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "A"/"B" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation	<ref. dtc="" en(sti)(diag)-365,="" p2138="" pedal="" position="" sen-<br="" throttle="" to="">SOR/SWITCH "D"/"E" VOLTAGE CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2158	Vehicle Speed Sensor "B"	<ref. "b",="" (dtc).="" code="" diagnostic="" dtc="" en(sti)(diag)-367,="" p2158="" procedure="" sensor="" speed="" to="" trouble="" vehicle="" with=""></ref.>
P2195	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" biased="" code="" diagnostic="" dtc="" en(sti)(diag)-368,="" lean="" o2="" p2195="" procedure="" sensor="" signal="" stuck="" to="" trouble="" with=""></ref.>
P2196	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" biased="" code="" diagnostic="" dtc="" en(sti)(diag)-370,="" o2="" p2196="" procedure="" rich="" sensor="" signal="" stuck="" to="" trouble="" with=""></ref.>
P219A	Bank 1 Air-Fuel Ratio Imbalance	<ref. (dtc).="" 1="" air-fuel="" bank="" code="" diagnostic="" dtc="" en(sti)(diag)-372,="" imbal-ance,="" p219a="" procedure="" ratio="" to="" trouble="" with=""></ref.>
P2257	Air System Control "A" Circuit Low	<ref. "a"="" (dtc).="" air="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-383,="" low,="" p2257="" procedure="" system="" to="" trouble="" with=""></ref.>
P2258	Air System Control "A" Circuit High	<ref. "a"="" (dtc).="" air="" circuit="" code="" control="" diagnostic="" dtc="" en(sti)(diag)-386,="" high,="" p2258="" procedure="" system="" to="" trouble="" with=""></ref.>
P2270	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" biased="" code="" diagnostic="" dtc="" en(sti)(diag)-389,="" lean="" o2="" p2270="" procedure="" sensor="" signal="" stuck="" to="" trouble="" with=""></ref.>
P2271	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" biased="" code="" diagnostic="" dtc="" en(sti)(diag)-391,="" o2="" p2271="" procedure="" rich="" sensor="" signal="" stuck="" to="" trouble="" with=""></ref.>
P2401	Evaporative Emission System Leak Detection Pump Control Circuit Low	<ref. (dtc).="" circuit="" code="" control="" detection="" diagnostic="" dtc="" emission="" en(sti)(diag)-393,="" evaporative="" leak="" low,="" p2401="" procedure="" pump="" system="" to="" trouble="" with=""></ref.>
P2402	Evaporative Emission System Leak Detection Pump Control Circuit High	<ref. (dtc).="" circuit="" code="" control="" detection="" diagnostic="" dtc="" emission="" en(sti)(diag)-396,="" evaporative="" high,="" leak="" p2402="" procedure="" pump="" system="" to="" trouble="" with=""></ref.>
P2404	Evaporative Emission System Leak Detection Pump Sense Cir- cuit Range/Performance	<ref. (dtc).="" circuit="" code="" detection="" diagnostic="" dtc="" emission="" en(sti)(diag)-398,="" evaporative="" leak="" p2404="" performance,="" procedure="" pump="" range="" sense="" system="" to="" trouble="" with=""></ref.>
P2419	Evaporative Emission System Switching Valve Control Circuit Low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(sti)(diag)-401,="" evaporative="" low,="" p2419="" procedure="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P2420	Evaporative Emission System Switching Valve Control Circuit High	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(sti)(diag)-404,="" evaporative="" high,="" p2420="" procedure="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P2431	Secondary Air Injection System Air Flow /Pressure Sensor Circuit Range/Performance	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-406,="" flow="" injection="" p2431="" performance,="" pressure="" procedure="" range="" secondary="" sensor="" system="" to="" trouble="" with=""></ref.>
P2432	Secondary Air Injection System Air Flow /Pressure Sensor Circuit Low	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-407,="" flow="" injection="" low,="" p2432="" pressure="" procedure="" secondary="" sensor="" system="" to="" trouble="" with=""></ref.>
P2433	Secondary Air Injection System Air Flow /Pressure Sensor Circuit High	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(sti)(diag)-410,="" flow="" high,="" injection="" p2433="" pressure="" procedure="" secondary="" sensor="" system="" to="" trouble="" with=""></ref.>

List of Diagnostic Trouble Code (DTC)

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DTC	Item	Note
P2440	Secondary Air Injection System Switching Valve Stuck Open (Bank1)	<ref. (bank1),="" (dtc).="" air="" code="" diagnostic="" dtc="" en(sti)(diag)-413,="" injection="" open="" p2440="" procedure="" secondary="" stuck="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P2441	Secondary Air Injection System Switching Valve Stuck Closed (Bank1)	<ref. air="" dtc="" en(sti)(diag)-419,="" injection="" p2441="" secondary="" sys-<br="" to="">TEM SWITCHING VALVE STUCK CLOSED (BANK1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2442	Secondary Air Injection System Switching Valve Stuck Open (Bank2)	<ref. (bank2),="" (dtc).="" air="" code="" diagnostic="" dtc="" en(sti)(diag)-419,="" injection="" open="" p2442="" procedure="" secondary="" stuck="" switching="" system="" to="" trouble="" valve="" with=""></ref.>
P2443	Secondary Air Injection System Switching Valve Stuck Closed (Bank2)	<ref. air="" dtc="" en(sti)(diag)-419,="" injection="" p2443="" secondary="" sys-<br="" to="">TEM SWITCHING VALVE STUCK CLOSED (BANK2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2444	Secondary Air Injection System Pump Stuck On	<ref. (dtc).="" air="" code="" diagnostic="" dtc="" en(sti)(diag)-420,="" injection="" on,="" p2444="" procedure="" pump="" secondary="" stuck="" system="" to="" trouble="" with=""></ref.>
P2530	Ignition Switch Run Position Circuit	<ref. (dtc).="" circuit,="" code="" diagnostic="" dtc="" en(sti)(diag)-423,="" ignition="" p2530="" position="" procedure="" run="" switch="" to="" trouble="" with=""></ref.>
P2610	ECM/PCM Internal Engine Off Timer Performance	<ref. (dtc).="" code="" diagnostic="" dtc="" ecm="" en(sti)(diag)-425,="" engine="" internal="" off="" p2610="" pcm="" performance,="" procedure="" timer="" to="" trouble="" with=""></ref.>
U0073	Control Module Communication Bus Off	<ref. communica-<br="" control="" dtc="" en(sti)(diag)-425,="" module="" to="" u0073="">TION BUS OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
U0122	CAN (VDC) Data Not Loaded	<ref. (dtc).="" (vdc)="" can="" code="" data="" diagnostic="" dtc="" en(sti)(diag)-425,="" loaded,="" not="" procedure="" to="" trouble="" u0122="" with=""></ref.>
U0155	Lost Communication With Instru- ment Panel Cluster (IPC) Control Module	<ref. (dtc).="" (ipc)="" cluster="" code="" communication="" control="" diagnostic="" dtc="" en(sti)(diag)-425,="" instrument="" lost="" module,="" panel="" procedure="" to="" trouble="" u0155="" with=""></ref.>
U0416	CAN (VDC) Data Abnormal	<ref. (dtc).="" (vdc)="" abnormal,="" can="" code="" data="" diagnostic="" dtc="" en(sti)(diag)-425,="" procedure="" to="" trouble="" u0416="" with=""></ref.>
U0423	Invalid Data Received From Instrument Panel Cluster Control Module	<ref. (dtc).="" cluster="" code="" control="" data="" diagnostic="" dtc="" en(sti)(diag)-425,="" from="" instrument="" invalid="" module,="" panel="" procedure="" received="" to="" trouble="" u0423="" with=""></ref.>