1. List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Note
B1570	Antenna	<ref. (dtc)="" antenna,="" b1570="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" sti)-11,="" to="" trouble=""></ref.>
B1571	Reference Code Incompatibility	<ref. (dtc)="" b1571="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" incompatibility,="" o="" reference="" sti)-12,="" to="" trouble=""></ref.>
B1572	IMM Circuit Failure (Except Antenna Circuit)	<ref. (dtc)="" (except="" antenna="" b1572="" circuit="" circuit),="" code="" criteria.="" detecting="" diagnostic="" dtc="" failure="" gd(w="" imm="" o="" sti)-12,="" to="" trouble=""></ref.>
B1574	Key Communication Failure	<ref. (dtc)="" b1574="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" failure,="" gd(w="" key="" o="" sti)-12,="" to="" trouble=""></ref.>
B1575	Incorrect Immobilizer Key	<ref. (dtc)="" b1575="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" immobilizer="" incorrect="" key,="" o="" sti)-12,="" to="" trouble=""></ref.>
B1576	EGI Control Module EEPROM	<ref. (dtc)="" b1576="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" eeprom,="" egi="" gd(w="" module="" o="" sti)-12,="" to="" trouble=""></ref.>
B1577	IMM Control Module EEPROM	<ref. (dtc)="" b1577="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" eeprom,="" gd(w="" imm="" module="" o="" sti)-12,="" to="" trouble=""></ref.>
B1578	Meter Failure	<ref. (dtc)="" b1578="" code="" criteria.="" detecting="" diagnostic="" dtc="" failure,="" gd(w="" meter="" o="" sti)-12,="" to="" trouble=""></ref.>
P000A	A Camshaft Position Slow Response (Bank 1)	<ref. a="" camshaft="" dtc="" gd(w="" o="" p000a="" position="" slow<br="" sti)-13,="" to="">RESPONSE (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P000B	B Camshaft Position Slow Response (Bank 1)	<ref. (bank="" (dtc)="" 1),="" b="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p000b="" position="" response="" slow="" sti)-13,="" to="" trouble=""></ref.>
P000C	A Camshaft Position Slow Response (Bank 2)	<ref. (bank="" (dtc)="" 2),="" a="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p000c="" position="" response="" slow="" sti)-14,="" to="" trouble=""></ref.>
P000D	B Camshaft Position Slow Response (Bank 2)	<ref. (bank="" (dtc)="" 2),="" b="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p000d="" position="" response="" slow="" sti)-14,="" 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(w="" o="" open="" p0010="" position="" sti)-15,="" to="" trouble=""></ref.>
P0011	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 1)	<ref. (bank="" (dtc)="" -="" 1),="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" o="" or="" over-advanced="" p0011="" performance="" position="" sti)-16,="" system="" timing="" to="" trouble=""></ref.>
P0013	B Camshaft Position Actuator Circuit/Open (Bank 1)	<ref. actuator="" b="" camshaft="" cir-<br="" dtc="" gd(w="" o="" p0013="" position="" sti)-18,="" to="">CUIT/OPEN (BANK 1), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0014	Exhaust AVCS System 1 (Range/ Performance)	<ref. (dtc)="" (range="" 1="" avcs="" code="" criteria.="" detecting="" diagnostic="" dtc="" exhaust="" gd(w="" o="" p0014="" per-formance),="" sti)-19,="" system="" to="" trouble=""></ref.>
P0016	Crankshaft Position - Camshaft Position Correlation (Bank1)	<ref. (bank1),="" (dtc)="" -="" camshaft="" code="" correlation="" crankshaft="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0016="" position="" sti)-20,="" to="" trouble=""></ref.>
P0017	Crank and Cam Timing B System Failure (Bank 1)	<ref. (bank="" (dtc)="" 1),="" and="" b="" cam="" code="" crank="" criteria.="" detecting="" diagnostic="" dtc="" fail-ure="" gd(w="" o="" p0017="" sti)-21,="" system="" timing="" to="" trouble=""></ref.>
P0018	Crankshaft Position - Camshaft Position Correlation (Bank2)	<ref. (bank2),="" (dtc)="" -="" camshaft="" code="" correlation="" crankshaft="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0018="" position="" sti)-22,="" to="" trouble=""></ref.>
P0019	Crank and Cam Timing B System Failure (Bank 2)	<ref. (bank="" (dtc)="" 2),="" and="" b="" cam="" code="" crank="" criteria.="" detecting="" diagnostic="" dtc="" fail-ure="" gd(w="" o="" p0019="" sti)-22,="" 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(w="" o="" open="" p0020="" position="" sti)-22,="" to="" trouble=""></ref.>
P0021	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 2)	<ref. (bank="" (dtc)="" -="" 2),="" camshaft="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" o="" or="" over-advanced="" p0021="" performance="" position="" sti)-22,="" system="" timing="" to="" trouble=""></ref.>
P0023	B Camshaft Position Actuator Circuit/Open (Bank 2)	<ref. actuator="" b="" camshaft="" cir-<br="" dtc="" gd(w="" o="" p0023="" position="" sti)-22,="" to="">CUIT/OPEN (BANK 2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0024	Exhaust AVCS System 2 (Range/ Performance)	<ref. (dtc)="" (range="" 2="" avcs="" code="" criteria.="" detecting="" diagnostic="" dtc="" exhaust="" gd(w="" o="" p0024="" performance),="" sti)-22,="" system="" to="" trouble=""></ref.>

DTC	Item	Note
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" heater="" ho2s="" o="" p0030="" sensor="" sti)-22,="" to="" trouble=""></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" heater="" ho2s="" low="" o="" p0031="" sensor="" sti)-24,="" to="" trouble=""></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" heater="" high="" ho2s="" o="" p0032="" sensor="" sti)-25,="" to="" trouble=""></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" 1="" 2),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" heater="" ho2s="" low="" o="" p0037="" sensor="" sti)-26,="" 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(w="" heater="" high="" ho2s="" o="" p0038="" sensor="" sti)-27,="" to="" trouble=""></ref.>
P0068	MAP/MAF - Throttle Position Correlation	<ref. -="" corre-<br="" dtc="" gd(w="" maf="" map="" o="" p0068="" position="" sti)-28,="" throttle="" to="">LATION, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0071	Ambient Temperature Sensor Circuit "A" Range/Performance	<ref. "a"="" (dtc)="" ambient="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0071="" performance,="" range="" sensor="" sti)-30,="" temperature="" to="" trouble=""></ref.>
P0072	Ambient Temperature Sensor Circuit "A" Low	<ref. "a"="" (dtc)="" ambient="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" low,="" o="" p0072="" sensor="" sti)-32,="" temperature="" to="" trouble=""></ref.>
P0073	Ambient Temperature Sensor Circuit "A" High	<ref. "a"="" (dtc)="" ambient="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high,="" o="" p0073="" sensor="" sti)-33,="" temperature="" to="" trouble=""></ref.>
P0087	Fuel Rail/System Pressure - Too Low	<ref. (dtc)="" -="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" low,="" o="" p0087="" pressure="" rail="" sti)-33,="" system="" to="" too="" trouble=""></ref.>
P0088	Fuel Rail/System Pressure - Too High	<ref. (dtc)="" -="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" high,="" o="" p0088="" pressure="" rail="" sti)-34,="" system="" to="" too="" trouble=""></ref.>
P0096	Intake Air Temperature Sensor #2 Range/Performance Problem	<ref. #2="" (dtc)="" air="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" o="" p0096="" performance="" problem,="" range="" sensor="" sti)-35,="" temperature="" to="" trouble=""></ref.>
P0097	Intake Air Temperature Sensor #2 Circuit (Low)	<ref. #2="" (dtc)="" (low),="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" o="" p0097="" sensor="" sti)-37,="" temperature="" to="" trouble=""></ref.>
P0098	Intake Air Temperature Sensor #2 Circuit (High)	<ref. #2="" (dtc)="" (high),="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" o="" p0098="" sensor="" sti)-38,="" temperature="" to="" trouble=""></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(w="" mass="" o="" or="" p0101="" performance,="" range="" sti)-39,="" to="" trouble="" volume=""></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(w="" input,="" low="" mass="" o="" or="" p0102="" sti)-41,="" to="" trouble="" volume=""></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. (dtc)="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" flow="" gd(w="" high="" input,="" mass="" o="" or="" p0103="" sti)-42,="" to="" trouble="" volume=""></ref.>
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input	<ref. (dtc)="" absolute="" baro-metric="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" input,="" low="" manifold="" o="" p0107="" pressure="" sti)-43,="" to="" trouble=""></ref.>
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High Input	<ref. (dtc)="" absolute="" baro-metric="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high="" input,="" manifold="" o="" p0108="" pressure="" sti)-44,="" to="" trouble=""></ref.>
P0111	Intake Air Temperature Sensor Range/Performance Problem	<ref. (dtc)="" air="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" o="" p0111="" performance="" problem,="" range="" sensor="" sti)-45,="" temperature="" to="" trouble=""></ref.>
P0112	Intake Air Temperature Sensor 1 Circuit Low	<ref. (dtc)="" 1="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" low,="" o="" p0112="" sensor="" sti)-48,="" temperature="" to="" trouble=""></ref.>
P0113	Intake Air Temperature Sensor 1 Circuit High	<ref. (dtc)="" 1="" air="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high,="" intake="" o="" p0113="" sensor="" sti)-49,="" temperature="" to="" trouble=""></ref.>
P0116	Engine Coolant Temperature Sensor 1 Circuit Range/Perfor- mance	<ref. coolant="" dtc="" engine="" gd(w="" o="" p0116="" sen-<br="" sti)-50,="" temperature="" to="">SOR 1 CIRCUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0117	Engine Coolant Temperature Circuit Low	<ref. (dtc)="" circuit="" code="" coolant="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(w="" low,="" o="" p0117="" sti)-52,="" temperature="" to="" trouble=""></ref.>

DTC	Item	Note
P0118	Engine Coolant Temperature Cir-	<ref. cir-<="" coolant="" dtc="" engine="" gd(w="" o="" p="" p0118="" sti)-53,="" temperature="" to=""></ref.>
	cuit High	CUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low	<ref. <br="" dtc="" gd(w="" o="" p0122="" pedal="" position="" sensor="" sti)-54,="" throttle="" to="">SWITCH "A" CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0123	Throttle/Pedal Position Sensor/	<ref. <="" dtc="" gd(w="" o="" p="" p0123="" pedal="" position="" sensor="" sti)-55,="" throttle="" to=""></ref.>
1 0120	Switch "A" Circuit High	SWITCH "A" CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0125	Insufficient Coolant Temperature	<ref. coolant="" dtc="" gd(w="" insufficient="" o="" p0125="" sti)-56,="" td="" temperature<="" to=""></ref.>
	for Closed Loop Fuel Control	FOR CLOSED LOOP FUEL CONTROL, Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0128	Coolant Thermostat (Engine	<ref. (engine="" cool-<="" coolant="" dtc="" gd(w="" o="" p="" p0128="" sti)-58,="" thermostat="" to=""></ref.>
	Coolant Temperature Below	ANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE),
	Thermostat Regulating Temperature)	Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0130	O2 Sensor Circuit (Bank 1 Sen-	<ref. (bank="" 1="" 1),<="" circuit="" dtc="" gd(w="" o="" o2="" p0130="" sensor="" sti)-61,="" td="" to=""></ref.>
	sor 1)	Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0131	O2 Sensor Circuit Low Voltage	<ref. circuit="" dtc="" gd(w="" low="" o="" o2="" p="" p0131="" sensor="" sti)-62,="" to="" voltage<=""> (RANK 1 SENSOR 1) Diagnostic Trouble Code (DTC) Potentian Criteria</ref.>
P0132	(Bank 1 Sensor 1) O2 Sensor Circuit High Voltage	(BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> <ref. circuit="" dtc="" gd(w="" high="" o="" o2="" p="" p0132="" sensor="" sti)-63,="" to="" voltage<=""></ref.>
F0132	(Bank 1 Sensor 1)	(BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0134	O2 Sensor Circuit No Activity	<ref. activity<="" circuit="" dtc="" gd(w="" no="" o="" o2="" p0134="" sensor="" sti)-64,="" td="" to=""></ref.>
	Detected (Bank 1 Sensor 1)	DETECTED (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Crite-
D0107	O2 Capaca Circuit Law Voltage	ria.> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre>/ ria.></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre>/ ria.></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre>/ ria.></pre> <pre></pre> <pr< td=""></pr<>
P0137	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)	(BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0138	O2 Sensor Circuit High Voltage	<ref. circuit="" dtc="" gd(w="" high="" o="" o2="" p0138="" sensor="" sti)-67,="" td="" to="" voltage<=""></ref.>
	(Bank 1 Sensor 2)	(BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P013A	O2 Sensor Slow Response - Rich to Lean (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" -="" 1="" 2),="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" lean="" o="" o2="" p013a="" response="" rich="" sensor="" slow="" sti)-68,="" to="" trouble=""></ref.>
P013B	O2 Sensor Slow Response -	<ref. dtc="" gd(w="" o="" o2="" p="" p013b="" sensor="" slow<="" sti)-70,="" sti)gd(w="" to=""></ref.>
	Lean to Rich (Bank 1 Sensor 2)	RESPONSE - LEAN TO RICH (BANK 1 SENSOR 2), Diagnostic Trouble Code
D010E	000 0 0	(DTC) Detecting Criteria.>
P013E	O2 Sensor Delayed Response - Rich to Lean (Bank 1 Sensor 2)	<ref. -="" delayed="" dtc="" gd(w="" o="" o2="" p013e="" response="" rich<br="" sensor="" sti)-72,="" to="">TO LEAN (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P013F	O2 Sensor Delayed Response -	<ref. -="" delayed="" dtc="" gd(w="" lean<="" o="" o2="" p="" p013f="" response="" sensor="" sti)-74,="" to=""></ref.>
	Lean to Rich (Bank 1 Sensor 2)	TO RICH (BANK 1 SENSOR 2), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0141	O2 Sensor Heater Circuit (Bank1 Sensor2)	<ref. (bank1="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" heater="" o="" o2="" p0141="" sensor="" sensor2),="" sti)-76,="" to="" trouble=""></ref.>
P014C	O2 Sensor Slow Response - Rich	<ref. -="" dtc="" gd(w="" o="" o2="" p="" p014c="" response="" rich="" sensor="" slow="" sti)-77,="" to="" to<=""></ref.>
	to Lean (Bank 1 Sensor 1)	LEAN (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P014D	O2 Sensor Slow Response -	<ref. -="" dtc="" gd(w="" lean="" o="" o2="" p="" p014d="" response="" sensor="" slow="" sti)-79,="" to="" to<=""> PICH (PANK 1 SENSOR 1) Diagnostic Trouble Code (DTC) Potentiary Criteria</ref.>
P015A	Lean to Rich (Bank 1 Sensor 1) O2 Sensor Delayed Response -	RICH (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.> <ref. -="" delayed="" dtc="" gd(w="" o="" o2="" p="" p015a="" response="" rich<="" sensor="" sti)-80,="" to=""></ref.>
ITOTSA	Rich to Lean (Bank 1 Sensor 1)	TO LEAN (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P015B	O2 Sensor Delayed Response -	<ref. -="" delayed="" dtc="" gd(w="" lean<="" o="" o2="" p015b="" response="" sensor="" sti)-84,="" td="" to=""></ref.>
D0474	Lean to Rich (Bank 1 Sensor 1)	TO RICH (BANK 1 SENSOR 1), Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" (dtc)="" 1),="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" lean="" o="" p0171="" sti)-85,="" system="" to="" too="" trouble=""></ref.>
P0172	System Too Rich (Bank 1)	Ref. to GD(w/o STI)-86, DTC P0172 SYSTEM TOO RICH (BANK 1), Diagnostic
		Trouble Code (DTC) Detecting Criteria.>
P0191	Fuel Rail Pressure Sensor "A"	<ref. "a"="" cir-<="" dtc="" fuel="" gd(w="" o="" p="" p0191="" pressure="" rail="" sensor="" sti)-87,="" to=""></ref.>
P0192	Circuit Range/Performance Fuel Rail Pressure Sensor Circuit	CUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.> <ref. circuit<="" dtc="" fuel="" gd(w="" o="" p="" p0192="" pressure="" rail="" sensor="" sti)-88,="" to=""></ref.>
1 0192	Low	LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.>
P0193	Fuel Rail Pressure Sensor Circuit	<ref. circuit<="" dtc="" fuel="" gd(w="" o="" p0193="" pressure="" rail="" sensor="" sti)-89,="" td="" to=""></ref.>
	High	HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.>

DTC	Item	Note
P0196	Engine Oil Temperature Sensor Circuit Range/Performance	<ref. cir-<br="" dtc="" engine="" gd(w="" o="" oil="" p0196="" sensor="" sti)-90,="" temperature="" to="">CUIT RANGE/PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0197	Engine Oil Temperature Sensor Low	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(w="" low,="" o="" oil="" p0197="" sensor="" sti)-92,="" temperature="" to="" trouble=""></ref.>
P0198	Engine Oil Temperature Sensor High	<ref. dtc="" engine="" gd(w="" o="" oil="" p0198="" sensor<br="" sti)-93,="" temperature="" to="">HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low	<ref. <br="" dtc="" gd(w="" o="" p0222="" pedal="" position="" sensor="" sti)-94,="" throttle="" to="">SWITCH "B" CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High	<ref. <br="" dtc="" gd(w="" o="" p0223="" pedal="" position="" sensor="" sti)-95,="" throttle="" to="">SWITCH "B" CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0230	Fuel Pump Primary Circuit	<ref. (dtc)="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" o="" p0230="" primary="" pump="" sti)-96,="" to="" trouble=""></ref.>
P023F	Fuel Pump Secondary Circuit/ Open	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" o="" open,="" p023f="" pump="" secondary="" sti)-97,="" to="" trouble=""></ref.>
P0244	Turbo/Super Charger Wastegate Solenoid "A" Range/Performance	<ref. "a"="" (dtc)="" charger="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0244="" performance,="" range="" solenoid="" sti)-98,="" super="" to="" trouble="" turbo="" wastegate=""></ref.>
P0245	Turbo/Super Charger Wastegate Solenoid "A" Low	<ref. "a"="" (dtc)="" charger="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" low,="" o="" p0245="" solenoid="" sti)-100,="" super="" to="" trouble="" turbo="" wastegate=""></ref.>
P0246	Turbo/Super Charger Wastegate Solenoid "A" High	<ref. "a"="" (dtc)="" charger="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high,="" o="" p0246="" solenoid="" sti)-101,="" super="" to="" trouble="" turbo="" wastegate=""></ref.>
P0300	Random/Multiple Cylinder Misfire Detected	<ref. (dtc)="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(w="" misfire="" multiple="" o="" p0300="" random="" sti)-101,="" to="" trouble=""></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. (dtc)="" 1="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(w="" misfire="" o="" p0301="" sti)-102,="" to="" trouble=""></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc)="" 2="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(w="" misfire="" o="" p0302="" sti)-106,="" to="" trouble=""></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. (dtc)="" 3="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(w="" misfire="" o="" p0303="" sti)-106,="" to="" trouble=""></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. (dtc)="" 4="" code="" criteria.="" cylinder="" detected,="" detecting="" diagnostic="" dtc="" gd(w="" misfire="" o="" p0304="" sti)-106,="" 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(w="" knock="" low="" o="" or="" p0327="" sensor="" sensor),="" single="" sti)-107,="" 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(w="" high="" knock="" o="" or="" p0328="" sensor="" sensor),="" single="" sti)-108,="" to="" trouble=""></ref.>
P0332	Knock Sensor 2 Circuit Low (Bank 2)	<ref. (bank="" (dtc)="" 2="" 2),="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" knock="" low="" o="" p0332="" sensor="" sti)-109,="" to="" trouble=""></ref.>
P0333	Knock Sensor 2 Circuit High (Bank 2)	<ref. (bank="" (dtc)="" 2="" 2),="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high="" knock="" o="" p0333="" sensor="" sti)-110,="" to="" trouble=""></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. "a"="" (dtc)="" circuit,="" code="" crankshaft="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0335="" position="" sensor="" sti)-111,="" to="" trouble=""></ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc)="" circuit="" code="" crankshaft="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0336="" performance,="" position="" range="" sensor="" sti)-113,="" to="" trouble=""></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc)="" 1="" camshaft="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" or="" p0340="" position="" sensor="" sensor),="" single="" sti)-115,="" to="" trouble=""></ref.>
P0341	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Single Sensor)	<ref. "a"="" (bank="" (dtc)="" 1="" camshaft="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" or="" p0341="" performance="" position="" range="" sensor="" sensor),="" single="" sti)-117,="" to="" trouble=""></ref.>
P0345	Camshaft Position Sensor "A" Circuit (Bank 2)	<ref. "a"="" (bank="" (dtc)="" 2),="" camshaft="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0345="" position="" sensor="" sti)-118,="" to="" trouble=""></ref.>
P0346	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 2)	<ref. "a"="" (bank="" (dtc)="" 2),="" camshaft="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0346="" performance="" position="" range="" sensor="" sti)-118,="" to="" trouble=""></ref.>

List of Diagnostic Trouble Code (DTC)

DTC	Item	Note
P0351	Ignition Coil A Primary/Secondary Circuit	<ref. (dtc)="" a="" circuit,="" code="" coil="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" ignition="" o="" p0351="" primary="" secondary="" sti)-119,="" to="" trouble=""></ref.>
P0352	Ignition Coil B Primary/Secondary Circuit	<ref. (dtc)="" b="" circuit,="" code="" coil="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" ignition="" o="" p0352="" primary="" secondary="" sti)-119,="" to="" trouble=""></ref.>
P0353	Ignition Coil C Primary/Secondary Circuit	<ref. (dtc)="" c="" circuit,="" code="" coil="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" ignition="" o="" p0353="" primary="" secondary="" sti)-119,="" to="" trouble=""></ref.>
P0354	Ignition Coil D Primary/Secondary Circuit	<ref. (dtc)="" circuit,="" code="" coil="" criteria.="" d="" detecting="" diagnostic="" dtc="" gd(w="" ignition="" o="" p0354="" primary="" secondary="" sti)-119,="" to="" trouble=""></ref.>
P0365	Camshaft Position Sensor "B" Circuit (Bank 1)	<ref. "b"="" (bank="" (dtc)="" 1),="" camshaft="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0365="" position="" sensor="" sti)-120,="" to="" trouble=""></ref.>
P0366	Camshaft Position Sensor B Circuit Range/Performance (Bank 1)	<ref. b="" camshaft="" cir-<br="" dtc="" gd(w="" o="" p0366="" position="" sensor="" sti)-121,="" to="">CUIT RANGE/PERFORMANCE (BANK 1), Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0390	Camshaft Position Sensor "B" Circuit (Bank 2)	<ref. "b"="" (bank="" (dtc)="" 2),="" camshaft="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0390="" position="" sensor="" sti)-122,="" to="" trouble=""></ref.>
P0391	Camshaft Position Sensor B Circuit Range/Performance (Bank 2)	<ref. b="" camshaft="" cir-<br="" dtc="" gd(w="" o="" p0391="" position="" sensor="" sti)-122,="" to="">CUIT RANGE/PERFORMANCE (BANK 2), Diagnostic Trouble Code (DTC) Detect- ing Criteria.></ref.>
P0400	Exhaust Gas Recirculation Flow	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" exhaust="" flow,="" gas="" gd(w="" o="" p0400="" recirculation="" sti)-123,="" to="" trouble=""></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. (bank="" (dtc)="" 1),="" below="" catalyst="" code="" criteria.="" detecting="" diagnostic="" dtc="" efficiency="" gd(w="" o="" p0420="" sti)-126,="" system="" threshold="" to="" trouble=""></ref.>
P0441	Evaporative Emission Cont. Sys. Incorrect Purge Flow	<ref. cont.="" dtc="" emission="" evaporative="" gd(w="" o="" p="" p0441="" sti)-128,="" sys.<="" to=""> INCORRECT PURGE FLOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0451	Evaporative Emission System Pressure Sensor/Switch Range/ Performance	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" o="" p0451="" performance,="" pressure="" range="" sensor="" sti)-130,="" switch="" system="" to="" trouble=""></ref.>
P0452	Evaporative Emission System Pressure Sensor/Switch Low	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" low,="" o="" p0452="" pressure="" sensor="" sti)-132,="" switch="" system="" to="" trouble=""></ref.>
P0453	Evaporative Emission System Pressure Sensor/Switch High	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" high,="" o="" p0453="" pressure="" sensor="" sti)-133,="" switch="" system="" to="" trouble=""></ref.>
P0455	Evaporative Emission System Leak Detected (Large Leak)	<ref. (dtc)="" (large="" code="" criteria.="" detected="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" leak="" leak),="" o="" p0455="" sti)-134,="" system="" to="" trouble=""></ref.>
P0456	Evaporative Emission Control System Leak Detected (Very Small Leak)	<ref. control<br="" dtc="" emission="" evaporative="" gd(w="" o="" p0456="" sti)-139,="" to="">SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P0458	Evaporative Emission System Purge Control Valve Circuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" low,="" o="" p0458="" purge="" sti)-140,="" system="" to="" trouble="" valve=""></ref.>
P0459	Evaporative Emission System Purge Control Valve Circuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" high,="" o="" p0459="" purge="" sti)-141,="" system="" to="" trouble="" valve=""></ref.>
P0461	Fuel Level Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" level="" o="" p0461="" performance,="" range="" sensor="" sti)-142,="" to="" trouble=""></ref.>
P0462	Fuel Level Sensor "A" Circuit Low	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" level="" low,="" o="" p0462="" sensor="" sti)-143,="" to="" trouble=""></ref.>
P0463	Fuel Level Sensor "A" Circuit High	<ref. "a"="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" high,="" level="" o="" p0463="" sensor="" sti)-144,="" to="" trouble=""></ref.>
P0500	Vehicle Speed Sensor "A"	<ref. "a",="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0500="" sensor="" speed="" sti)-145,="" to="" trouble="" vehicle=""></ref.>
P0506	Idle Air Control System RPM Lower Than Expected	<ref. (dtc)="" air="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" expected,="" gd(w="" idle="" lower="" o="" p0506="" rpm="" sti)-146,="" 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(w="" higher="" idle="" o="" p0507="" rpm="" sti)-147,="" 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(w="" idle="" o="" p050a="" performance,="" start="" sti)-148,="" system="" to="" trouble=""></ref.>
P050B	Cold Start Ignition Timing Performance	<ref. (dtc)="" code="" cold="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" ignition="" o="" p050b="" performance,="" start="" sti)-149,="" timing="" to="" trouble=""></ref.>
P0512	Starter Request Circuit	<ref. (dtc)="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0512="" request="" starter="" sti)-150,="" to="" trouble=""></ref.>
P0560	System Voltage	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0560="" sti)-151,="" system="" to="" trouble="" voltage,=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. (dtc)="" (ram)="" access="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" error,="" gd(w="" internal="" memory="" module="" o="" p0604="" random="" sti)-152,="" to="" trouble=""></ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. (dtc)="" (rom)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" error,="" gd(w="" internal="" memory="" module="" o="" only="" p0605="" read="" sti)-153,="" to="" trouble=""></ref.>
P0606	Control Module Processor	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" module="" o="" p0606="" processor,="" sti)-154,="" to="" trouble=""></ref.>
P060A	Internal Control Module Monitor- ing Processor Performance	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" internal="" module="" monitoring="" o="" p060a="" performance,="" processor="" sti)-155,="" to="" trouble=""></ref.>
P060B	Internal Control Module A/D Processing Performance	<ref. (dtc)="" a="" code="" control="" criteria.="" d="" detecting="" diagnostic="" dtc="" gd(w="" internal="" module="" o="" p060b="" performance,="" processing="" sti)-156,="" to="" trouble=""></ref.>
P0616	Starter Relay Circuit Low	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" low,="" o="" p0616="" relay="" starter="" sti)-157,="" to="" trouble=""></ref.>
P0617	Starter Relay Circuit High	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high,="" o="" p0617="" relay="" starter="" sti)-158,="" to="" trouble=""></ref.>
P062D	Fuel Injector Driver Circuit Performance (Bank 1)	<ref. (bank="" (dtc)="" 1),="" circuit="" code="" criteria.="" detecting="" diagnostic="" driver="" dtc="" fuel="" gd(w="" injector="" o="" p062d="" per-formance="" sti)-159,="" to="" trouble=""></ref.>
P062F	Internal Control Module EEPROM Error	<ref. (dtc)="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" eeprom="" error,="" gd(w="" internal="" module="" o="" p062f="" sti)-160,="" to="" trouble=""></ref.>
P0685	ECM/PCM Power Relay Control Circuit/Open	<ref. (dtc)="" cir-cuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" ecm="" gd(w="" o="" open,="" p0685="" pcm="" power="" relay="" sti)-161,="" to="" trouble=""></ref.>
P0700	Transmission Control System (MIL Request)	<ref. (dtc)="" (mil="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p0700="" request),="" sti)-162,="" system="" to="" transmission="" trouble=""></ref.>
P081A	Starter Disable Circuit Low	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" disable="" dtc="" gd(w="" low,="" o="" p081a="" starter="" sti)-163,="" to="" trouble=""></ref.>
P0851	Park/Neutral Switch Input Circuit Low (AT Model)	<ref. (at="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" input="" low="" model),="" neutral="" o="" p0851="" park="" sti)-164,="" switch="" to="" trouble=""></ref.>
P0851	Neutral Switch Input Circuit Low (MT Model)	<ref. (dtc)="" (mt="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" input="" low="" model),="" neutral="" o="" p0851="" sti)-165,="" switch="" to="" trouble=""></ref.>
P0852	Park/Neutral Switch Input Circuit High (AT Model)	<ref. (at="" (dtc)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high="" input="" model),="" neutral="" o="" p0852="" park="" sti)-166,="" switch="" to="" trouble=""></ref.>
P0852	Neutral Switch Input Circuit High (MT Model)	<ref. (dtc)="" (mt="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high="" input="" model),="" neutral="" o="" p0852="" sti)-167,="" switch="" to="" trouble=""></ref.>
P1134	A/F Sensor Micro-Computer Problem	<ref. (dtc)="" a="" code="" criteria.="" detecting="" diagnostic="" dtc="" f="" gd(w="" micro-computer="" o="" p1134="" problem,="" sensor="" sti)-168,="" to="" trouble=""></ref.>
P113A	O2 Sensor Circuit (Open) (Bank1 Sensor2)	<ref. (bank1="" (dtc)="" (open)="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" o2="" p113a="" sensor="" sensor2),="" sti)-169,="" to="" trouble=""></ref.>
P1160	Return Spring Failure	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" failure,="" gd(w="" o="" p1160="" return="" spring="" sti)-170,="" to="" trouble=""></ref.>
P1261	DI Injector Circuit / Open - (Cylinder 1)	<ref. (cylin-der="" (dtc)="" -="" 1),="" circuit="" code="" criteria.="" detecting="" di="" diagnostic="" dtc="" gd(w="" injector="" o="" open="" p1261="" sti)-171,="" to="" trouble=""></ref.>
P1262	DI Injector Circuit / Open - (Cylinder 2)	<ref. (cylin-der="" (dtc)="" -="" 2),="" circuit="" code="" criteria.="" detecting="" di="" diagnostic="" dtc="" gd(w="" injector="" o="" open="" p1262="" sti)-172,="" to="" trouble=""></ref.>
P1263	DI Injector Circuit / Open - (Cylinder 3)	<ref. (cylin-der="" (dtc)="" -="" 3),="" circuit="" code="" criteria.="" detecting="" di="" diagnostic="" dtc="" gd(w="" injector="" o="" open="" p1263="" sti)-172,="" to="" trouble=""></ref.>

List of Diagnostic Trouble Code (DTC)

DTC	Item	Note
P1264	DI Injector Circuit / Open - (Cylinder 4)	<ref. (cylin-der="" (dtc)="" -="" 4),="" circuit="" code="" criteria.="" detecting="" di="" diagnostic="" dtc="" gd(w="" injector="" o="" open="" p1264="" sti)-172,="" 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(w="" o="" p1449="" sti)-173,="" sys.="" to="" trouble=""></ref.>
P1451	Evaporative Emission Cont. Sys.	<ref. cont.="" dtc="" emission="" evaporative="" gd(w="" o="" p1451="" sti)-174,="" sys.,<br="" to="">Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1458	CPC2 Solenoid Valve (Circuit Low)	<ref. (circuit="" (dtc)="" code="" cpc2="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" low),="" o="" p1458="" solenoid="" sti)-175,="" to="" trouble="" valve=""></ref.>
P1459	CPC2 Solenoid Valve (Circuit High)	<ref. (circuit="" (dtc)="" code="" cpc2="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high),="" o="" p1459="" solenoid="" sti)-176,="" to="" trouble="" valve=""></ref.>
P1492	EGR Solenoid Valve Signal #1 Circuit Malfunction (Low Input)	<ref. #1="" (dtc)="" (low="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(w="" input),="" malfunction="" o="" p1492="" signal="" solenoid="" sti)-177,="" to="" trouble="" valve=""></ref.>
P1493	EGR Solenoid Valve Signal #1 Circuit Malfunction (High Input)	<ref. #1="" cir-<br="" dtc="" egr="" gd(w="" o="" p1493="" signal="" solenoid="" sti)-177,="" to="" valve="">CUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1494	EGR Solenoid Valve Signal #2 Circuit Malfunction (Low Input)	<ref. #2="" (dtc)="" (low="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(w="" input),="" malfunction="" o="" p1494="" signal="" solenoid="" sti)-177,="" to="" trouble="" valve=""></ref.>
P1495	EGR Solenoid Valve Signal #2 Circuit Malfunction (High Input)	<ref. #2="" cir-<br="" dtc="" egr="" gd(w="" o="" p1495="" signal="" solenoid="" sti)-177,="" to="" valve="">CUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1496	EGR Solenoid Valve Signal #3 Circuit Malfunction (Low Input)	<ref. #3="" (dtc)="" (low="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(w="" input),="" malfunction="" o="" p1496="" signal="" solenoid="" sti)-177,="" to="" trouble="" valve=""></ref.>
P1497	EGR Solenoid Valve Signal #3 Circuit Malfunction (High Input)	<ref. #3="" cir-<br="" dtc="" egr="" gd(w="" o="" p1497="" signal="" solenoid="" sti)-177,="" to="" valve="">CUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1498	EGR Solenoid Valve Signal #4 Circuit Malfunction (Low Input)	<ref. #4="" (dtc)="" (low="" cir-cuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" egr="" gd(w="" input),="" malfunction="" o="" p1498="" signal="" solenoid="" sti)-178,="" to="" trouble="" valve=""></ref.>
P1499	EGR Solenoid Valve Signal #4 Circuit Malfunction (High Input)	<ref. #4="" cir-<br="" dtc="" egr="" gd(w="" o="" p1499="" signal="" solenoid="" sti)-179,="" to="" valve="">CUIT MALFUNCTION (HIGH INPUT), Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P1603	Engine Stall History	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" engine="" gd(w="" history,="" o="" p1603="" stall="" sti)-180,="" to="" trouble=""></ref.>
P1604	Startability Malfunction	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" malfunction,="" o="" p1604="" startability="" sti)-181,="" to="" trouble=""></ref.>
P1C00	Battery Monitor Module "A"	<ref. "a",="" (dtc)="" battery="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" module="" monitor="" o="" p1c00="" sti)-182,="" to="" trouble=""></ref.>
P2004	Intake Manifold Runner Control Stuck Open (Bank 1)	<ref. (bank="" (dtc)="" 1),="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" manifold="" o="" open="" p2004="" runner="" sti)-183,="" stuck="" to="" trouble=""></ref.>
P2005	Intake Manifold Runner Control Stuck Open (Bank 2)	<ref. (bank="" (dtc)="" 2),="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" manifold="" o="" open="" p2005="" runner="" sti)-184,="" 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(w="" intake="" manifold="" o="" p2006="" runner="" sti)-185,="" 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(w="" intake="" manifold="" o="" p2007="" runner="" sti)-186,="" 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(w="" intake="" low="" manifold="" o="" p2009="" runner="" sti)-187,="" to="" trouble=""></ref.>
P2012	Intake Manifold Runner Control Circuit Low (Bank 2)	<ref. (bank="" (dtc)="" 2),="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" intake="" low="" manifold="" o="" p2012="" runner="" sti)-188,="" to="" trouble=""></ref.>
P2016	Tumble Generated Valve Position Sensor 1 Circuit Low	<ref. (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" generated="" low,="" o="" p2016="" position="" sensor="" sti)-189,="" to="" trouble="" tumble="" valve=""></ref.>
P2017	Tumble Generated Valve Position Sensor 1 Circuit High	<ref. (dtc)="" 1="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" generated="" high,="" o="" p2017="" position="" sensor="" sti)-190,="" to="" trouble="" tumble="" valve=""></ref.>

DTC	Item	Note
P2021	Tumble Generated Valve Position Sensor 2 Circuit Low	<ref. dtc="" gd(w="" generated="" o="" p2021="" position<br="" sti)-191,="" to="" tumble="" valve="">SENSOR 2 CIRCUIT LOW, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2022	Tumble Generated Valve Position Sensor 2 Circuit High	<ref. dtc="" gd(w="" generated="" o="" p2022="" position<br="" sti)-192,="" to="" tumble="" valve="">SENSOR 2 CIRCUIT HIGH, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean (Bank 1)	<ref. (bank="" (dtc)="" 1),="" catalyst="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" lean="" o="" p2096="" post="" sti)-193,="" 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(w="" o="" p2097="" post="" rich="" sti)-194,="" 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(w="" motor="" o="" p2101="" performance,="" range="" sti)-195,="" throttle="" to="" trouble=""></ref.>
P2102	Throttle Actuator Control Motor Circuit Low	<ref. (dtc)="" actuator="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" low,="" motor="" o="" p2102="" sti)-196,="" throttle="" to="" trouble=""></ref.>
P2103	Throttle Actuator Control Motor Circuit High	<ref. (dtc)="" actuator="" circuit="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high,="" motor="" o="" p2103="" sti)-198,="" throttle="" to="" trouble=""></ref.>
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	<ref. dtc="" gd(w="" o="" p2109="" pedal="" position="" sensor<br="" sti)-199,="" throttle="" to="">"A" MINIMUM STOP PERFORMANCE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2119	Throttle Actuator Control Throttle Body Range/Performance	<ref. (dtc)="" actuator="" body="" code="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p2119="" performance,="" range="" sti)-200,="" throttle="" to="" trouble=""></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. <br="" dtc="" gd(w="" o="" p2122="" pedal="" position="" sensor="" sti)-202,="" throttle="" to="">SWITCH "D" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. <br="" dtc="" gd(w="" o="" p2123="" pedal="" position="" sensor="" sti)-203,="" throttle="" to="">SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. <br="" dtc="" gd(w="" o="" p2127="" pedal="" position="" sensor="" sti)-204,="" throttle="" to="">SWITCH "E" CIRCUIT LOW INPUT, Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. <br="" dtc="" gd(w="" o="" p2128="" pedal="" position="" sensor="" sti)-205,="" throttle="" to="">SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Trouble Code (DTC) Detecting Cri- teria.></ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation	<ref. <br="" dtc="" gd(w="" o="" p2135="" pedal="" position="" sensor="" sti)-206,="" throttle="" to="">SWITCH "A"/"B" VOLTAGE CORRELATION, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correla- tion	<ref. <br="" dtc="" gd(w="" o="" p2138="" pedal="" position="" sensor="" sti)-207,="" throttle="" to="">SWITCH "D"/"E" VOLTAGE CORRELATION, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
P2146	Fuel Injector Power Supply A Open Circuit	<ref. (dtc)="" a="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" fuel="" gd(w="" injector="" o="" open="" p2146="" power="" sti)-209,="" supply="" to="" trouble=""></ref.>
P2158	Vehicle Speed Sensor "B"	<ref. "b",="" (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p2158="" sensor="" speed="" sti)-210,="" to="" trouble="" vehicle=""></ref.>
P2195	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" biased="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" lean="" o="" o2="" p2195="" sensor="" signal="" sti)-211,="" stuck="" to="" trouble=""></ref.>
P2196	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 1)	<ref. (bank="" (dtc)="" 1="" 1),="" biased="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" o2="" p2196="" rich="" sensor="" signal="" sti)-213,="" stuck="" to="" trouble=""></ref.>
P219A	Bank 1 Air-Fuel Ratio Imbalance	<ref. (dtc)="" 1="" air-fuel="" bank="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" imbalance,="" o="" p219a="" ratio="" sti)-215,="" to="" trouble=""></ref.>
P2227	Barometric Pressure Circuit Range/Performance	<ref. (dtc)="" barometric="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" p2227="" performance,="" pressure="" range="" sti)-220,="" to="" trouble=""></ref.>
P2228	Barometric Pressure Circuit Low	<ref. (dtc)="" barometric="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" low,="" o="" p2228="" pressure="" sti)-221,="" to="" trouble=""></ref.>
P2229	Barometric Pressure Circuit High	<ref. (dtc)="" barometric="" circuit="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" high,="" o="" p2229="" pressure="" sti)-222,="" to="" trouble=""></ref.>

List of Diagnostic Trouble Code (DTC)

DTC	Item	Note
P2270	O2 Sensor Signal Biased/Stuck Lean (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" 1="" 2),="" biased="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" lean="" o="" o2="" p2270="" sensor="" signal="" sti)-223,="" stuck="" to="" trouble=""></ref.>
P2271	O2 Sensor Signal Biased/Stuck Rich (Bank 1 Sensor 2)	<ref. (bank="" (dtc)="" 1="" 2),="" biased="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" o="" o2="" p2271="" rich="" sensor="" signal="" sti)-225,="" stuck="" to="" trouble=""></ref.>
P2401	Evaporative Emission System Leak Detection Pump Control Cir- cuit Low	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" detection="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" leak="" low,="" o="" p2401="" pump="" sti)-226,="" system="" to="" trouble=""></ref.>
P2402	Evaporative Emission System Leak Detection Pump Control Cir- cuit High	<ref. (dtc)="" circuit="" code="" control="" criteria.="" detecting="" detection="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" high,="" leak="" o="" p2402="" pump="" sti)-227,="" system="" to="" trouble=""></ref.>
P2404	Evaporative Emission System Leak Detection Pump Sense Cir- cuit Range/Performance	<ref. (dtc)="" circuit="" code="" criteria.="" detecting="" detection="" diagnostic="" dtc="" emission="" evaporative="" gd(w="" leak="" o="" p2404="" performance,="" pump="" range="" sense="" sti)-228,="" 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(w="" low,="" o="" p2419="" sti)-229,="" 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(w="" high,="" o="" p2420="" sti)-230,="" switching="" system="" to="" trouble="" valve=""></ref.>
P2530	Ignition Switch Run Position Circuit	<ref. (dtc)="" circuit,="" code="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" ignition="" o="" p2530="" position="" run="" sti)-231,="" switch="" to="" trouble=""></ref.>
P2610	ECM/PCM Internal Engine Off Timer Performance	<ref. (dtc)="" code="" criteria.="" detecting="" diagnostic="" dtc="" ecm="" engine="" gd(w="" internal="" o="" off="" p2610="" pcm="" performance,="" sti)-232,="" timer="" to="" trouble=""></ref.>
U0073	Control Module Communication Bus Off	<ref. (dtc)="" bus="" code="" communication="" control="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" module="" o="" off,="" sti)-240,="" to="" trouble="" u0073=""></ref.>
U0077	LIN Communication Bus "ECM/PCM" Off	<ref. "ecm="" (dtc)="" bus="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" lin="" o="" off,="" pcm"="" sti)-241,="" to="" trouble="" u0077=""></ref.>
U0101	Lost Communication With TCM	<ref. (dtc)="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" lost="" o="" sti)-242,="" 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(w="" lost="" module,="" o="" sti)-242,="" to="" trouble="" u0122="" vehicle="" with=""></ref.>
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module	<ref. communication="" dtc="" gd(w="" instru-<br="" lost="" o="" sti)-242,="" to="" u0155="" with="">MENT PANEL CLUSTER (IPC) CONTROL MODULE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
U0402	Invalid Data Received From TCM	<ref. (dtc)="" code="" criteria.="" data="" detecting="" diagnostic="" dtc="" from="" gd(w="" invalid="" o="" received="" sti)-243,="" tcm,="" to="" trouble="" u0402=""></ref.>
U0416	Invalid Data Received From Vehi- cle Dynamics Control Module	<ref. (dtc)="" code="" control="" criteria.="" data="" detecting="" diagnostic="" dtc="" dynamics="" from="" gd(w="" invalid="" module,="" o="" received="" sti)-243,="" to="" trouble="" u0416="" vehicle=""></ref.>
U0423	Invalid Data Received From Instrument Panel Cluster Control Module	<ref. data="" dtc="" from="" gd(w="" instru-<br="" invalid="" o="" received="" sti)-243,="" to="" u0423="">MENT PANEL CLUSTER CONTROL MODULE, Diagnostic Trouble Code (DTC) Detecting Criteria.></ref.>
U1712	Lost LIN Communication With Battery "1" Monitor Module	<ref. "1"="" (dtc)="" battery="" code="" communication="" criteria.="" detecting="" diagnostic="" dtc="" gd(w="" lin="" lost="" module,="" monitor="" o="" sti)-244,="" to="" trouble="" u1712="" with=""></ref.>