17.List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Index
P0011	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 1)	<ref. (bank="" (dtc).="" -="" 1),="" camshaft="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-75,="" intake="" or="" over-advanced="" p0011="" performance="" position="" procedure="" system="" timing="" to="" trouble="" with=""></ref.>
P0021	Intake Camshaft Position - Timing Over-Advanced or System Perfor- mance (Bank 2)	<ref. (bank="" (dtc).="" -="" 2),="" camshaft="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-76,="" intake="" or="" over-advanced="" p0021="" performance="" position="" procedure="" system="" timing="" to="" trouble="" with=""></ref.>
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. control<br="" dtc="" en(h4dotc)(diag)-77,="" heater="" ho2s="" p0030="" to="">CIRCUIT (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. control<br="" dtc="" en(h4dotc)(diag)-79,="" heater="" ho2s="" p0031="" to="">CIRCUIT LOW (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. control<br="" dtc="" en(h4dotc)(diag)-81,="" heater="" ho2s="" p0032="" to="">CIRCUIT 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(h4dotc)(diag)-83,="" 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(h4dotc)(diag)-86,="" heater="" high="" ho2s="" p0038="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0068	MAP/MAF - Throttle Position Correlation	<ref. (dtc).="" -="" code="" correlation,="" diagnostic="" dtc="" en(h4dotc)(diag)-88,="" maf="" map="" p0068="" position="" procedure="" throttle="" to="" trouble="" with=""></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-90,="" flow="" mass="" or="" p0101="" performance,="" procedure="" range="" to="" trouble="" volume="" with=""></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-92,="" flow="" input,="" low="" mass="" or="" p0102="" procedure="" to="" trouble="" volume="" with=""></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. (dtc).="" air="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-95,="" flow="" high="" input,="" mass="" or="" p0103="" procedure="" to="" trouble="" volume="" with=""></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. (dtc).="" absolute="" barometric="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-97,="" input,="" low="" manifold="" p0107="" pressure="" procedure="" to="" trouble="" with=""></ref.>
P0108	Manifold Absolute Pressure/Baro- metric Pressure Circuit High Input	<ref. (dtc).="" absolute="" barometric="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-99,="" high="" input,="" manifold="" p0108="" pressure="" procedure="" to="" trouble="" with=""></ref.>
P0111	Intake Air Temperature Sensor 1 Circuit Range/Performance	<ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-101,="" intake="" p0111="" performance,="" procedure="" range="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0112	Intake Air Temperature Sensor 1 Circuit Low	<ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-103,="" intake="" low,="" p0112="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0113	Intake Air Temperature Sensor 1 Circuit High	<ref. (dtc).="" 1="" air="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-105,="" high,="" intake="" p0113="" procedure="" sensor="" temperature="" to="" trouble="" with=""></ref.>
P0117	Engine Coolant Temperature Circuit Low	<ref. coolant="" dtc="" en(h4dotc)(diag)-108,="" engine="" p0117="" tem-<br="" to="">PERATURE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0118	Engine Coolant Temperature Circuit High	<ref. coolant="" dtc="" en(h4dotc)(diag)-110,="" engine="" p0118="" tem-<br="" to="">PERATURE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Index
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low	<ref. dtc="" en(h4dotc)(diag)-113,="" p0122="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "A" CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-115,="" high,="" p0123="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. coolant<br="" dtc="" en(h4dotc)(diag)-117,="" insufficient="" p0125="" to="">TEMPERATURE FOR CLOSED LOOP FUEL CONTROL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0126	Insufficient Engine Coolant Temperature for Stable Operation	<ref. dtc="" en(h4dotc)(diag)-119,="" engine<br="" insufficient="" p0126="" to="">COOLANT TEMPERATURE FOR STABLE OPERATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0128	Coolant Thermostat (Engine Coolant Temperature Below Thermostat Regulating Temperature)	<ref. coolant="" dtc="" en(h4dotc)(diag)-121,="" p0128="" thermostat<br="" to="">(ENGINE COOLANT TEMPERATURE BELOW THERMOSTAT REGULAT- ING TEMPERATURE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0131	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-122,="" 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(h4dotc)(diag)-124,="" high="" o2="" p0132="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0133	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-126,="" o2="" p0133="" procedure="" response="" sensor="" slow="" to="" trouble="" with=""></ref.>
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. (bank="" (dtc).="" 1="" 1),="" activity="" circuit="" code="" detected="" diagnostic="" dtc="" en(h4dotc)(diag)-128,="" 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(h4dotc)(diag)-130,="" low="" o2="" p0137="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0138	O2 Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ref. circuit="" dtc="" en(h4dotc)(diag)-133,="" high<br="" o2="" p0138="" sensor="" to="">VOLTAGE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0139	O2 Sensor Circuit Slow Response (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-136,="" o2="" p0139="" procedure="" response="" sensor="" slow="" to="" trouble="" with=""></ref.>
P0171	System Too Lean (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-137,="" lean="" p0171="" procedure="" system="" to="" too="" trouble="" with=""></ref.>
P0172	System Too Rich (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-138,="" p0172="" procedure="" rich="" system="" to="" too="" trouble="" with=""></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. dtc="" en(h4dotc)(diag)-140,="" fuel="" p0181="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0182	Fuel Temperature Sensor "A" Circuit Low Input	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-142,="" fuel="" input,="" low="" p0182="" procedure="" sen-sor="" temperature="" to="" trouble="" with=""></ref.>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. "a"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-144,="" fuel="" high="" input,="" p0183="" procedure="" sen-sor="" temperature="" to="" trouble="" with=""></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low	<ref. "b"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-147,="" low,="" p0222="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High	<ref. "b"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-149,="" high,="" p0223="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P0230	Fuel Pump Primary Circuit	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-151,="" fuel="" p0230="" primary="" pump="" to="">CUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

List of Diagnostic Trouble Code (DTC)

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DTC	Item	Index
P0244	Turbo/Super Charger Wastegate Solenoid "A" Range/Performance	<ref. "a"="" (dtc).="" charger="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-154,="" p0244="" performance,="" procedure="" range="" solenoid="" super="" to="" trouble="" turbo="" wastegate="" with=""></ref.>
P0245	Turbo/Super Charger Wastegate Solenoid "A" Low	<ref. "a"="" (dtc).="" charger="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-156,="" low,="" p0245="" procedure="" solenoid="" super="" to="" trouble="" turbo="" wastegate="" with=""></ref.>
P0246	Turbo/Super Charger Wastegate Solenoid "A" High	<ref. "a"="" (dtc).="" charger="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-158,="" high,="" p0246="" procedure="" solenoid="" super="" to="" trouble="" turbo="" wastegate="" with=""></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. 1="" cylinder="" dtc="" en(h4dotc)(diag)-159,="" misfire<br="" p0301="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. (dtc).="" 2="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4dotc)(diag)-159,="" misfire="" p0302="" procedure="" to="" trouble="" with=""></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. (dtc).="" 3="" code="" cylinder="" detected,="" diagnostic="" dtc="" en(h4dotc)(diag)-159,="" misfire="" p0303="" procedure="" to="" trouble="" with=""></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. 4="" cylinder="" dtc="" en(h4dotc)(diag)-160,="" misfire<br="" p0304="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0327	Knock Sensor 1 Circuit Low (Bank 1 or Single Sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-164,="" knock="" low="" or="" p0327="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0328	Knock Sensor 1 Circuit High (Bank 1 or Single Sensor)	<ref. (bank="" (dtc).="" 1="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-166,="" high="" knock="" or="" p0328="" procedure="" sensor="" sensor),="" single="" to="" trouble="" with=""></ref.>
P0335	Crankshaft Position Sensor "A" Circuit	<ref. "a"="" (dtc).="" circuit,="" code="" crankshaft="" diagnostic="" dtc="" en(h4dotc)(diag)-168,="" p0335="" position="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0336	Crankshaft Position Sensor "A" Circuit Range/Performance	<ref. "a"="" (dtc).="" circuit="" code="" crankshaft="" diagnostic="" dtc="" en(h4dotc)(diag)-170,="" p0336="" performance,="" position="" procedure="" range="" sensor="" to="" trouble="" with=""></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. camshaft="" dtc="" en(h4dotc)(diag)-172,="" p0340="" position="" sen-<br="" to="">SOR "A" CIRCUIT (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0345	Camshaft Position Sensor "A" Circuit (Bank 2)	<ref. camshaft="" dtc="" en(h4dotc)(diag)-174,="" p0345="" position="" sen-<br="" to="">SOR "A" CIRCUIT (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. catalyst="" dtc="" effi-<br="" en(h4dotc)(diag)-176,="" p0420="" system="" to="">CIENCY BELOW THRESHOLD (BANK 1), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0442	Evaporative Emission Control System Leak Detected (Small Leak)	<ref. (dtc).="" (small="" code="" control="" detected="" diagnostic="" dtc="" emission="" en(h4dotc)(diag)-180,="" evaporative="" leak="" leak),="" p0442="" procedure="" system="" to="" trouble="" with=""></ref.>
P0447	Evaporative Emission Control System Vent Control Circuit Open	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4dotc)(diag)-183,="" evaporative="" open,="" p0447="" procedure="" system="" to="" trouble="" vent="" with=""></ref.>
P0448	Evaporative Emission Control System Vent Control Circuit Shorted	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" emission="" en(h4dotc)(diag)-186,="" evaporative="" p0448="" procedure="" shorted,="" system="" to="" trouble="" vent="" with=""></ref.>
P0451	Evaporative Emission Control System Pressure Sensor	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4dotc)(diag)-188,="" evaporative="" p0451="" pressure="" procedure="" sensor,="" system="" to="" trouble="" with=""></ref.>
P0452	Evaporative Emission Control System Pressure Sensor Low Input	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4dotc)(diag)-190,="" evaporative="" input,="" low="" p0452="" pressure="" procedure="" sensor="" system="" to="" trouble="" with=""></ref.>
P0453	Evaporative Emission Control System Pressure Sensor High Input	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" emission="" en(h4dotc)(diag)-193,="" evaporative="" high="" input,="" p0453="" pressure="" procedure="" sensor="" system="" to="" trouble="" with=""></ref.>

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P0456	Evaporative Emission Control System Leak Detected (Very Small Leak)	<ref. dtc="" emission<br="" en(h4dotc)(diag)-196,="" evaporative="" p0456="" to="">CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0457	Evaporative Emission Control System Leak Detected (Fuel Cap Loose/Off)	<ref. dtc="" emission<br="" en(h4dotc)(diag)-199,="" evaporative="" p0457="" to="">CONTROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF), Diag- nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0458	Evaporative Emission System Purge Control Valve Circuit Low	<ref. dtc="" emission<br="" en(h4dotc)(diag)-202,="" evaporative="" p0458="" to="">SYSTEM PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0459	Evaporative Emission System Purge Control Valve Circuit High	<ref. dtc="" emission<br="" en(h4dotc)(diag)-204,="" evaporative="" p0459="" to="">SYSTEM 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(h4dotc)(diag)-206,="" 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(h4dotc)(diag)-206,="" 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(h4dotc)(diag)-207,="" fuel="" high,="" level="" p0463="" procedure="" sensor="" to="" trouble="" with=""></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-207,="" fuel="" level="" p0464="" sensor="" to="">CUIT INTERMITTENT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0483	Fan Rationality Check	<ref. (dtc).="" check,="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-208,="" fan="" p0483="" procedure="" rationality="" to="" trouble="" with=""></ref.>
P0500	Vehicle Speed Sensor "A"	<ref. "a",="" (dtc).="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-208,="" 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(h4dotc)(diag)-209,="" 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(h4dotc)(diag)-211,="" expected,="" higher="" idle="" p0507="" procedure="" rpm="" system="" than="" to="" trouble="" with=""></ref.>
P0512	Starter Request Circuit	<ref. (dtc).="" circuit,="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-213,="" p0512="" procedure="" request="" starter="" to="" trouble="" with=""></ref.>
P0513	Incorrect Immobilizer Key	<ref. (dtc).="" code="" diagnostic="" dtc="" im(diag)-16,="" immobilizer="" incorrect="" key,="" p0513="" procedure="" to="" trouble="" with=""></ref.>
P0519	Idle Air Control System Performance	<ref. (dtc).="" air="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-214,="" idle="" p0519="" performance,="" procedure="" system="" to="" trouble="" with=""></ref.>
P0545	Exhaust Gas Temperature Sensor Circuit Low (Bank 1 Sensor 1)	<ref. dtc="" en(h4dotc)(diag)-215,="" exhaust="" gas="" p0545="" tempera-<br="" to="">TURE SENSOR CIRCUIT LOW (BANK 1 SENSOR 1), Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0546	Exhaust Gas Temperature Sensor Circuit High (Bank 1 Sensor 1)	<ref. dtc="" en(h4dotc)(diag)-217,="" exhaust="" gas="" p0546="" tempera-<br="" to="">TURE SENSOR CIRCUIT HIGH (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0600	Serial Communication Link	<ref. (dtc).="" code="" communication="" diagnostic="" dtc="" en(h4dotc)(diag)-219,="" link,="" p0600="" procedure="" serial="" to="" trouble="" with=""></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" en(h4dotc)(diag)-219,="" internal="" mod-<br="" p0604="" to="">ULE RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. control="" dtc="" en(h4dotc)(diag)-219,="" internal="" mod-<br="" p0605="" to="">ULE READ ONLY MEMORY (ROM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0607	Control Module Performance	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-220,="" module="" p0607="" per-formance,="" procedure="" to="" trouble="" with=""></ref.>

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P0638	Throttle Actuator Control Range/ Performance (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-221,="" p0638="" performance="" procedure="" range="" throttle="" to="" trouble="" with=""></ref.>
P0691	Fan 1 Control Circuit Low	<ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-221,="" fan="" low,="" p0691="" procedure="" to="" trouble="" with=""></ref.>
P0692	Fan 1 Control Circuit High	<ref. (dtc).="" 1="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-222,="" fan="" high,="" p0692="" procedure="" to="" trouble="" with=""></ref.>
P0700	Transmission Control System (MIL Request)	<ref. (dtc).="" (mil="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-222,="" p0700="" procedure="" request),="" system="" to="" transmission="" trouble="" with=""></ref.>
P0851	Park/Neutral Switch Input Circuit Low	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-222,="" input="" low,="" neutral="" p0851="" park="" procedure="" switch="" to="" trouble="" with=""></ref.>
P0852	Park/Neutral Switch Input Circuit High	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-222,="" high,="" input="" neutral="" p0852="" park="" procedure="" switch="" to="" trouble="" with=""></ref.>
P1152	O2 Sensor Circuit Range/Performance (Low) (Bank1 Sensor1)	<ref. circuit<br="" dtc="" en(h4dotc)(diag)-223,="" o2="" p1152="" sensor="" to="">RANGE/PERFORMANCE (LOW) (BANK1 SENSOR1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1153	O2 Sensor Circuit Range/Performance (High) (Bank1 Sensor1)	<ref. (bank1="" (dtc).="" (high)="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-225,="" o2="" p1153="" performance="" procedure="" range="" sensor="" sensor1),="" to="" trouble="" with=""></ref.>
P1160	Return Spring Failure	<ref. (dtc).="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-227,="" failure,="" p1160="" procedure="" return="" spring="" to="" trouble="" with=""></ref.>
P1301	Misfire Detected (High Temperature Exhaust Gas)	<ref. (dtc).="" (high="" code="" detected="" diagnostic="" dtc="" en(h4dotc)(diag)-228,="" exhaust="" gas),="" misfire="" p1301="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P1312	Exhaust Gas Temperature Sensor Malfunction	<ref. dtc="" en(h4dotc)(diag)-230,="" exhaust="" gas="" p1312="" tempera-<br="" to="">TURE SENSOR MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1400	Fuel Tank Pressure Control Sole- noid Valve Circuit Low	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-232,="" fuel="" low,="" p1400="" pressure="" procedure="" solenoid="" tank="" to="" trouble="" valve="" with=""></ref.>
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. (dtc).="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-234,="" fuel="" high,="" p1420="" pressure="" procedure="" sol.="" tank="" to="" trouble="" valve="" with=""></ref.>
P1443	Vent Control Solenoid Valve Function Problem	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-236,="" function="" p1443="" problem,="" procedure="" solenoid="" to="" trouble="" valve="" vent="" with=""></ref.>
P1491	Positive Crankcase Ventilation (Blow-by) Function Problem	<ref. (blow-by)="" (dtc).="" code="" crankcase="" diagnostic="" dtc="" en(h4dotc)(diag)-238,="" function="" p1491="" positive="" problem,="" procedure="" to="" trouble="" ventilation="" with=""></ref.>
P1518	Starter Switch Circuit Low Input	<ref. (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-240,="" input,="" low="" p1518="" procedure="" starter="" switch="" to="" trouble="" with=""></ref.>
P1544	Exhaust Gas Temperature Too High	<ref. dtc="" en(h4dotc)(diag)-242,="" exhaust="" gas="" p1544="" tempera-<br="" to="">TURE TOO HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1560	Back-up Voltage Circuit Malfunction	<ref. back-up="" cir-<br="" dtc="" en(h4dotc)(diag)-244,="" p1560="" to="" voltage="">CUIT MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1570	Antenna	<ref. (dtc).="" antenna,="" code="" diagnostic="" dtc="" im(diag)-17,="" p1570="" procedure="" to="" trouble="" with=""></ref.>
P1571	Reference Code Incompatibility	<ref. (dtc).="" code="" diagnostic="" dtc="" im(diag)-19,="" incompatibility,="" p1571="" procedure="" reference="" to="" trouble="" with=""></ref.>
P1572	IMM Circuit Failure (Except Antenna Circuit)	<ref. (dtc).="" (except="" antenna="" circuit="" circuit),="" code="" diagnostic="" dtc="" failure="" im(diag)-20,="" imm="" p1572="" procedure="" to="" trouble="" with=""></ref.>

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P1574	Key Communication Failure	<ref. (dtc).="" code="" communication="" diagnostic="" dtc="" failure,="" im(diag)-22,="" key="" p1574="" procedure="" to="" trouble="" with=""></ref.>
P1576	EGI Control Module EEPROM	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" eeprom,="" egi="" im(diag)-23,="" module="" p1576="" procedure="" to="" trouble="" with=""></ref.>
P1577	IMM Control Module EEPROM	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" eeprom,="" im(diag)-24,="" imm="" module="" p1577="" procedure="" to="" trouble="" with=""></ref.>
P1578	Meter Failure	<ref. (dtc).="" code="" diagnostic="" dtc="" failure,="" im(diag)-24,="" meter="" p1578="" procedure="" to="" trouble="" with=""></ref.>
P2004	Intake Manifold Runner Control Stuck Open (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-246,="" 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(h4dotc)(diag)-247,="" 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(h4dotc)(diag)-248,="" 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(h4dotc)(diag)-249,="" 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(h4dotc)(diag)-250,="" 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(h4dotc)(diag)-252,="" 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(h4dotc)(diag)-254,="" 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(h4dotc)(diag)-256,="" intake="" low="" manifold="" p2012="" procedure="" runner="" to="" trouble="" with=""></ref.>
P2016	Intake Manifold Runner Position Sensor / Switch Circuit Low (Bank 1)	<ref. (bank="" (dtc).="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-258,="" intake="" low="" manifold="" p2016="" position="" procedure="" runner="" sensor="" switch="" to="" trouble="" with=""></ref.>
P2017	Intake Manifold Runner Position Sensor / Switch Circuit High (Bank 1)	<ref. (bank="" (dtc).="" 1),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-261,="" high="" intake="" manifold="" p2017="" position="" procedure="" runner="" sensor="" switch="" to="" trouble="" with=""></ref.>
P2021	Intake Manifold Runner Position Sensor / Switch Circuit Low (Bank 2)	<ref. (bank="" (dtc).="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-263,="" intake="" low="" manifold="" p2021="" position="" procedure="" runner="" sensor="" switch="" to="" trouble="" with=""></ref.>
P2022	Intake Manifold Runner Position Sensor / Switch Circuit High (Bank 2)	<ref. (bank="" (dtc).="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-266,="" high="" intake="" manifold="" p2022="" position="" procedure="" runner="" sensor="" switch="" to="" trouble="" with=""></ref.>
P2088	Intake Camshaft Position Actuator Control Circuit Low (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-268,="" intake="" low="" p2088="" position="" procedure="" to="" trouble="" with=""></ref.>
P2089	Intake Camshaft Position Actuator Control Circuit High (Bank 1)	<ref. (bank="" (dtc).="" 1),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-270,="" high="" intake="" p2089="" position="" procedure="" to="" trouble="" with=""></ref.>
P2092	Intake Camshaft Position Actuator Control Circuit Low (Bank 2)	<ref. (bank="" (dtc).="" 2),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-272,="" intake="" low="" p2092="" position="" procedure="" to="" trouble="" with=""></ref.>
P2093	Intake Camshaft Position Actuator Control Circuit High (Bank 2)	<ref. (bank="" (dtc).="" 2),="" actuator="" camshaft="" circuit="" code="" control="" diagnostic="" dtc="" en(h4dotc)(diag)-274,="" high="" intake="" p2093="" position="" procedure="" to="" trouble="" with=""></ref.>

List of Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

DTC	Item	Index
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-276,="" fuel="" lean="" p2096="" post="" procedure="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	<ref. (dtc).="" 1,="" bank="" catalyst="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-283,="" fuel="" p2097="" post="" procedure="" rich="" system="" to="" too="" trim="" trouble="" with=""></ref.>
P2101	Throttle Actuator Control Motor Circuit Range/Performance	<ref. actuator<br="" dtc="" en(h4dotc)(diag)-290,="" p2101="" throttle="" to="">CONTROL MOTOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2102	Throttle Actuator Control Motor Circuit Low	<ref. actuator<br="" dtc="" en(h4dotc)(diag)-296,="" p2102="" throttle="" to="">CONTROL MOTOR CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2103	Throttle Actuator Control Motor Circuit High	<ref. actuator<br="" dtc="" en(h4dotc)(diag)-298,="" p2103="" throttle="" to="">CONTROL MOTOR CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2109	Throttle/Pedal Position Sensor "A" Minimum Stop Performance	<ref. "a"="" (dtc).="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-299,="" minimum="" p2109="" pedal="" performance,="" position="" procedure="" sensor="" stop="" throttle="" to="" trouble="" with=""></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. "d"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-300,="" input,="" low="" p2122="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P2123	Throttle/Pedal Position Sensor/ Switch "D" Circuit High Input	<ref. "d"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-303,="" high="" input,="" p2123="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. "e"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-305,="" input,="" low="" p2127="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P2128	Throttle/Pedal Position Sensor/ Switch "E" Circuit High Input	<ref. "e"="" (dtc).="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-308,="" high="" input,="" p2128="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" with=""></ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Correlation	<ref. "a"="" "b"="" (dtc).="" code="" correlation,="" diagnostic="" dtc="" en(h4dotc)(diag)-310,="" p2135="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" voltage="" with=""></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Correlation	<ref. "d"="" "e"="" (dtc).="" code="" correlation,="" diagnostic="" dtc="" en(h4dotc)(diag)-314,="" p2138="" pedal="" position="" procedure="" sensor="" switch="" throttle="" to="" trouble="" voltage="" with=""></ref.>
P2227	Barometric Pressure Circuit Range/Performance	<ref. barometric="" dtc="" en(h4dotc)(diag)-318,="" p2227="" pressure<br="" to="">CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2228	Barometric Pressure Circuit Low	<ref. (dtc).="" barometric="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-318,="" low,="" p2228="" pressure="" procedure="" to="" trouble="" with=""></ref.>
P2229	Barometric Pressure Circuit High	<ref. (dtc).="" barometric="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-319,="" high,="" p2229="" pressure="" procedure="" to="" trouble="" with=""></ref.>