17.List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Index
P0011	Intake Camshaft Position Timing - Over-Advanced (Bank 1)	<ref. camshaft="" dtc="" en(h4dotc)(diag)-76,="" intake="" p0011="" posi-<br="" to="">TION TIMING - OVER-ADVANCED (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0021	Intake Camshaft Position Timing - Over-Advanced (Bank 2)	<ref. camshaft="" dtc="" en(h4dotc)(diag)-77,="" intake="" p0021="" posi-<br="" to="">TION TIMING - OVER-ADVANCED (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. control<br="" dtc="" en(h4dotc)(diag)-78,="" 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)-80,="" 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)-82,="" 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. control<br="" dtc="" en(h4dotc)(diag)-84,="" heater="" ho2s="" p0037="" to="">CIRCUIT LOW (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. control<br="" dtc="" en(h4dotc)(diag)-87,="" heater="" ho2s="" p0038="" to="">CIRCUIT HIGH (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0068	MAP/MAF - Throttle Position Correla- tion	<ref. -="" dtc="" en(h4dotc)(diag)-89,="" maf="" map="" p0068="" posi-<br="" throttle="" to="">TION CORRELATION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0101	Mass or Volume Air Flow Circuit Range/Performance	<ref. air<br="" dtc="" en(h4dotc)(diag)-91,="" mass="" or="" p0101="" to="" volume="">FLOW CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0102	Mass or Volume Air Flow Circuit Low Input	<ref. air<br="" dtc="" en(h4dotc)(diag)-93,="" mass="" or="" p0102="" to="" volume="">FLOW CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0103	Mass or Volume Air Flow Circuit High Input	<ref. air<br="" dtc="" en(h4dotc)(diag)-96,="" mass="" or="" p0103="" to="" volume="">FLOW CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. absolute<br="" dtc="" en(h4dotc)(diag)-98,="" manifold="" p0107="" to="">PRESSURE/BAROMETRIC PRESSURE CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0108	Manifold Absolute Pressure/Baro- metric Pressure Circuit High Input	<ref. absolute<br="" dtc="" en(h4dotc)(diag)-100,="" manifold="" p0108="" to="">PRESSURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0111	Intake Air Temperature Circuit Range/Performance	<ref. air="" dtc="" en(h4dotc)(diag)-102,="" intake="" p0111="" temperature<br="" to="">CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0112	Intake Air Temperature Circuit Low Input	<ref. air="" dtc="" en(h4dotc)(diag)-104,="" intake="" p0112="" temperature<br="" to="">CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0113	Intake Air Temperature Circuit High Input	<ref. air="" dtc="" en(h4dotc)(diag)-106,="" intake="" p0113="" temperature<br="" to="">CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0117	Engine Coolant Temperature Circuit Low Input	<ref. coolant="" dtc="" en(h4dotc)(diag)-109,="" engine="" p0117="" tem-<br="" to="">PERATURE CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0118	Engine Coolant Temperature Circuit High Input	<ref. coolant="" dtc="" en(h4dotc)(diag)-111,="" engine="" p0118="" tem-<br="" to="">PERATURE CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

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P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low Input	<ref. dtc="" en(h4dotc)(diag)-113,="" p0122="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "A" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High Input	<ref. dtc="" en(h4dotc)(diag)-116,="" p0123="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "A" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. dtc="" en(h4dotc)(diag)-119,="" engine<br="" insufficient="" p0125="" to="">COOLANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL, Diag- nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0126	Insufficient Coolant Temperature for Stable Operation	<ref. dtc="" en(h4dotc)(diag)-121,="" engine<br="" insufficient="" p0126="" to="">COOLANT TEMPERATURE FOR STABLE OPERATION, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0128	Coolant Thermostat (Coolant Tem- perature Below Thermostat Regulat- ing Temperature)	<ref. coolant="" dtc="" en(h4dotc)(diag)-123,="" 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)-124,="" low="" o2="" p0131="" procedure="" sensor="" to="" trouble="" voltage="" with=""></ref.>
P0132	O2 Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h4dotc)(diag)-126,="" high<br="" o2="" p0132="" sensor="" to="">VOLTAGE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0133	O2 Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h4dotc)(diag)-128,="" o2="" p0133="" sensor="" slow<br="" to="">RESPONSE (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0134	O2 Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. circuit="" dtc="" en(h4dotc)(diag)-130,="" no<br="" o2="" p0134="" sensor="" to="">ACTIVITY DETECTED (BANK 1 SENSOR 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0137	O2 Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. (bank="" (dtc).="" 1="" 2),="" circuit="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-132,="" 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)-135,="" 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. circuit="" dtc="" en(h4dotc)(diag)-138,="" o2="" p0139="" sensor="" slow<br="" to="">RESPONSE (BANK 1 SENSOR 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0171	System too Lean (Bank 1)	<ref. (bank="" (dtc).="" 1),="" code="" diagnostic="" dtc="" en(h4dotc)(diag)-139,="" 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)-140,="" p0172="" procedure="" rich="" system="" to="" too="" trouble="" with=""></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. dtc="" en(h4dotc)(diag)-143,="" 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. dtc="" en(h4dotc)(diag)-145,="" fuel="" p0182="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. dtc="" en(h4dotc)(diag)-147,="" fuel="" p0183="" sen-<br="" temperature="" to="">SOR "A" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0222	Throttle/Pedal Position Sensor/ Switch "B" Circuit Low Input	<ref. dtc="" en(h4dotc)(diag)-149,="" p0222="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "B" CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0223	Throttle/Pedal Position Sensor/ Switch "B" Circuit High Input	<ref. dtc="" en(h4dotc)(diag)-152,="" p0223="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "B" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

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P0230	Fuel Pump Primary Circuit	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-155,="" fuel="" p0230="" primary="" pump="" to="">CUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0244	Turbo/Super Charger Wastegate Solenoid "A" Range/Performance	<ref. charger<br="" dtc="" en(h4dotc)(diag)-158,="" p0244="" super="" to="" turbo="">WASTEGATE SOLENOID "A" RANGE/PERFORMANCE, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0245	Turbo/Super Charger Wastegate Solenoid "A" Low	<ref. charger<br="" dtc="" en(h4dotc)(diag)-160,="" p0245="" super="" to="" turbo="">WASTEGATE SOLENOID "A" LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0246	Turbo/Super Charger Wastegate Solenoid "A" High	<ref. charger<br="" dtc="" en(h4dotc)(diag)-162,="" p0246="" super="" to="" turbo="">WASTEGATE SOLENOID "A" HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. 1="" cylinder="" dtc="" en(h4dotc)(diag)-164,="" misfire<br="" p0301="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. 2="" cylinder="" dtc="" en(h4dotc)(diag)-164,="" misfire<br="" p0302="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. 3="" cylinder="" dtc="" en(h4dotc)(diag)-164,="" misfire<br="" p0303="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. 4="" cylinder="" dtc="" en(h4dotc)(diag)-164,="" misfire<br="" p0304="" to="">DETECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0327	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)	<ref. 1="" circuit<br="" dtc="" en(h4dotc)(diag)-169,="" knock="" p0327="" sensor="" to="">LOW INPUT (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)	<ref. 1="" circuit<br="" dtc="" en(h4dotc)(diag)-171,="" knock="" p0328="" sensor="" to="">HIGH INPUT (BANK 1 OR SINGLE SENSOR), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0335	Crankshaft Position Sensor "A" Cir- cuit	<ref. crankshaft="" dtc="" en(h4dotc)(diag)-173,="" p0335="" position<br="" to="">SENSOR "A" CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0336	Crankshaft Position Sensor "A" Cir- cuit Range/Performance	<ref. crankshaft="" dtc="" en(h4dotc)(diag)-175,="" p0336="" position<br="" to="">SENSOR "A" CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0340	Camshaft Position Sensor "A" Circuit (Bank 1 or Single Sensor)	<ref. camshaft="" dtc="" en(h4dotc)(diag)-177,="" 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)-179,="" 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)-181,="" p0420="" system="" to="">CIENCY BELOW THRESHOLD (BANK 1), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0442	Evaporative Emission Control Sys- tem Leak Detected (small Leak)	<ref. dtc="" emission<br="" en(h4dotc)(diag)-183,="" evaporative="" p0442="" to="">CONTROL SYSTEM LEAK DETECTED (SMALL LEAK), Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0447	Evaporative Emission Control Sys- tem Vent Control Circuit Open	<ref. dtc="" emission<br="" en(h4dotc)(diag)-187,="" evaporative="" p0447="" to="">CONTROL SYSTEM VENT CONTROL CIRCUIT OPEN, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0448	Evaporative Emission Control Sys- tem Vent Control Circuit Shorted	<ref. dtc="" emission<br="" en(h4dotc)(diag)-190,="" evaporative="" p0448="" to="">CONTROL SYSTEM VENT CONTROL CIRCUIT SHORTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0451	Evaporative Emission Control Sys- tem Pressure Sensor Range/Perfor- mance	<ref. dtc="" emission<br="" en(h4dotc)(diag)-192,="" evaporative="" p0451="" to="">CONTROL SYSTEM PRESSURE SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0452	Evaporative Emission Control Sys- tem Pressure Sensor Low Input	<ref. dtc="" emission<br="" en(h4dotc)(diag)-194,="" evaporative="" p0452="" to="">CONTROL SYSTEM PRESSURE SENSOR LOW INPUT, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>

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P0453	Evaporative Emission Control Sys- tem Pressure Sensor High Input	<ref. dtc="" emission<br="" en(h4dotc)(diag)-197,="" evaporative="" p0453="" to="">CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0456	Evaporative Emission Control Sys- tem Leak Detected (Very Small Leak)	<ref. dtc="" emission<br="" en(h4dotc)(diag)-199,="" evaporative="" p0456="" to="">CONTROL SYSTEM LEAK DETECTED (VERY SMALL LEAK), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0457	Evaporative Emission Control Sys- tem Leak Detected (Fuel Cap Loose/ Off)	<ref. dtc="" emission<br="" en(h4dotc)(diag)-202,="" evaporative="" p0457="" to="">CONTROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF), Diag- nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0458	Evaporative Emission Control Sys- tem Purge Control Valve Circuit Low	<ref. dtc="" emission<br="" en(h4dotc)(diag)-206,="" evaporative="" p0458="" to="">CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0459	Evaporative Emission Control Sys- tem Purge Control Valve Circuit High	<ref. dtc="" emission<br="" en(h4dotc)(diag)-208,="" evaporative="" p0459="" to="">CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0461	Fuel Level Sensor Circuit Range/Per- formance	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-210,="" fuel="" level="" p0461="" sensor="" to="">CUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0462	Fuel Level Sensor Circuit Low Input	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-210,="" fuel="" level="" p0462="" sensor="" to="">CUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0463	Fuel Level Sensor Circuit High Input	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-211,="" fuel="" level="" p0463="" sensor="" to="">CUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-211,="" fuel="" level="" p0464="" sensor="" to="">CUIT INTERMITTENT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0483	Cooling Fan Rationality Check	<ref. cooling="" dtc="" en(h4dotc)(diag)-212,="" fan="" p0483="" rational-<br="" to="">ITY CHECK, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0500	Vehicle Speed Sensor	<ref. dtc="" en(h4dotc)(diag)-212,="" p0500="" sensor,<br="" speed="" to="" vehicle="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0506	Idle Control System RPM Lower Than Expected	<ref. control="" dtc="" en(h4dotc)(diag)-213,="" idle="" p0506="" system<br="" to="">RPM LOWER THAN EXPECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0507	Idle Control System RPM Higher Than Expected	<ref. control="" dtc="" en(h4dotc)(diag)-215,="" idle="" p0507="" system<br="" to="">RPM HIGHER THAN EXPECTED, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0512	Starter Request Circuit	<ref. cir-<br="" dtc="" en(h4dotc)(diag)-218,="" p0512="" request="" starter="" to="">CUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0513	Incorrect Immobilizer Key	<ref. diag-<br="" dtc="" im(diag)-17,="" immobilizer="" incorrect="" key,="" p0513="" to="">nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0519	Idle Control System Malfunction (Fail-Safe)	<ref. control="" dtc="" en(h4dotc)(diag)-219,="" idle="" p0519="" system<br="" to="">MALFUNCTION (FAIL-SAFE), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0545	Exhaust Gas Temperature Sensor Circuit Low-Bank 1	<ref. dtc="" en(h4dotc)(diag)-220,="" exhaust="" gas="" p0545="" tempera-<br="" to="">TURE SENSOR CIRCUIT LOW-BANK 1, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0546	Exhaust Gas Temperature Sensor Circuit High-Bank 1	<ref. dtc="" en(h4dotc)(diag)-222,="" exhaust="" gas="" p0546="" tempera-<br="" to="">TURE SENSOR CIRCUIT HIGH-BANK 1, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0600	Serial Communication Link	<ref. communication<br="" dtc="" en(h4dotc)(diag)-224,="" p0600="" serial="" to="">LINK, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" en(h4dotc)(diag)-224,="" internal="" mod-<br="" p0604="" to="">ULE RANDOM ACCESS MEMORY (RAM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

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P0605	Internal Control Module Read Only Memory (ROM) Error	<ref. control="" dtc="" en(h4dotc)(diag)-224,="" internal="" mod-<br="" p0605="" to="">ULE READ ONLY MEMORY (ROM) ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0607	Control Module Performance	<ref. control="" dtc="" en(h4dotc)(diag)-224,="" module="" p0607="" per-<br="" to="">FORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0638	Throttle Actuator Control Range/Per- formance (Bank 1)	<ref. actuator<br="" dtc="" en(h4dotc)(diag)-226,="" p0638="" throttle="" to="">CONTROL RANGE/PERFORMANCE (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0691	Cooling Fan 1 Control Circuit Low	<ref. 1="" control<br="" cooling="" dtc="" en(h4dotc)(diag)-226,="" fan="" p0691="" to="">CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0692	Cooling Fan 1 Control Circuit High	<ref. 1="" control<br="" cooling="" dtc="" en(h4dotc)(diag)-227,="" fan="" p0692="" to="">CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0700	Transmission Control System (MIL Request)	<ref. control<br="" dtc="" en(h4dotc)(diag)-227,="" p0700="" to="" transmission="">SYSTEM (MIL REQUEST), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0851	Neutral Switch Input Circuit Low	<ref. dtc="" en(h4dotc)(diag)-227,="" input<br="" neutral="" p0851="" switch="" to="">CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0852	Neutral Switch Input Circuit High	<ref. dtc="" en(h4dotc)(diag)-227,="" input<br="" neutral="" p0852="" switch="" to="">CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1152	O2 Sensor Circuit Range/Perfor- mance (Low) (Bank1 Sensor1)	<ref. circuit<br="" dtc="" en(h4dotc)(diag)-227,="" o2="" p1152="" sensor="" to="">RANGE/PERFORMANCE (LOW) (BANK1 SENSOR1), Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P1153	O2 Sensor Circuit Range/Perfor- mance (High) (Bank1 Sensor1)	<ref. circuit<br="" dtc="" en(h4dotc)(diag)-228,="" o2="" p1153="" sensor="" to="">RANGE/PERFORMANCE (HIGH) (BANK1 SENSOR1), Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P1160	Return Spring Failure	<ref. dtc="" en(h4dotc)(diag)-230,="" failure,<br="" p1160="" return="" spring="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1301	Misfire Detected (High Temperature Exhaust Gas)	<ref. (dtc).="" (high="" code="" detected="" diagnostic="" dtc="" en(h4dotc)(diag)-231,="" exhaust="" gas),="" misfire="" p1301="" procedure="" temperature="" to="" trouble="" with=""></ref.>
P1312	Exhaust Gas Temperature Sensor Malfunction	<ref. dtc="" en(h4dotc)(diag)-232,="" exhaust="" gas="" p1312="" tempera-<br="" to="">TURE SENSOR MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1400	Fuel Tank Pressure Control Solenoid Valve Circuit Low	<ref. dtc="" en(h4dotc)(diag)-234,="" fuel="" p1400="" pressure<br="" tank="" to="">CONTROL SOLENOID VALVE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1420	Fuel Tank Pressure Control Sol. Valve Circuit High	<ref. dtc="" en(h4dotc)(diag)-236,="" fuel="" p1420="" pressure<br="" tank="" to="">CONTROL SOL. VALVE CIRCUIT HIGH, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P1443	Vent Control Solenoid Valve Function Problem	<ref. control="" dtc="" en(h4dotc)(diag)-238,="" p1443="" solenoid<br="" to="" vent="">VALVE FUNCTION PROBLEM, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P1446	Fuel Tank Sensor Control Valve Cir- cuit Low	<ref. con-<br="" dtc="" en(h4dotc)(diag)-240,="" fuel="" p1446="" sensor="" tank="" to="">TROL VALVE CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1447	Fuel Tank Sensor Control Valve Cir- cuit High	<ref. con-<br="" dtc="" en(h4dotc)(diag)-243,="" fuel="" p1447="" sensor="" tank="" to="">TROL VALVE CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1491	Positive Crankcase Ventilation (Blow- by) Function Problem	<ref. crankcase<br="" dtc="" en(h4dotc)(diag)-245,="" p1491="" positive="" to="">VENTILATION (BLOW-BY) FUNCTION PROBLEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1518	Starter Switch Circuit Low Input	<ref. circuit<br="" dtc="" en(h4dotc)(diag)-247,="" p1518="" starter="" switch="" to="">LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

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P1544	Exhaust Gas Temperature Too High	<ref. dtc="" en(h4dotc)(diag)-249,="" 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)-250,="" p1560="" to="" voltage="">CUIT MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1570	Antenna	<ref. antenna,="" diagnostic="" dtc="" im(diag)-18,="" p1570="" procedure="" to="" with<br="">Diagnostic Trouble Code (DTC).></ref.>
P1571	Reference Code Incompatibility	<ref. code="" dtc="" im(diag)-20,="" incompatibility,<br="" p1571="" reference="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1572	IMM Circuit Failure (Except Antenna Circuit)	<ref. (except<br="" circuit="" dtc="" failure="" im(diag)-21,="" imm="" p1572="" to="">ANTENNA CIRCUIT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1574	Key Communication Failure	<ref. communication="" diag-<br="" dtc="" failure,="" im(diag)-24,="" key="" p1574="" to="">nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1576	EGI Control Module EEPROM	<ref. (dtc).="" code="" control="" diagnostic="" dtc="" eeprom,="" egi="" im(diag)-24,="" module="" p1576="" procedure="" to="" trouble="" with=""></ref.>
P1577	IMM Control Module EEPROM	<ref. control="" dtc="" eeprom,<br="" im(diag)-24,="" imm="" module="" p1577="" to="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1578	Meter Failure	<ref. (dtc).="" code="" diagnostic="" dtc="" failure,="" im(diag)-25,="" meter="" p1578="" procedure="" to="" trouble="" with=""></ref.>
P2004	Intake Manifold Runner Control Stuck Open (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-252,="" intake="" manifold="" p2004="" run-<br="" to="">NER CONTROL STUCK OPEN (BANK 1), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P2005	Intake Manifold Runner Control Stuck Open (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-253,="" intake="" manifold="" p2005="" run-<br="" to="">NER CONTROL STUCK OPEN (BANK 2), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P2006	Intake Manifold Runner Control Stuck Closed (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-253,="" intake="" manifold="" p2006="" run-<br="" to="">NER CONTROL STUCK CLOSED (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2007	Intake Manifold Runner Control Stuck Closed (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-254,="" intake="" manifold="" p2007="" run-<br="" to="">NER CONTROL STUCK CLOSED (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2008	Intake Manifold Runner Control Cir- cuit / Open (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-255,="" intake="" manifold="" p2008="" run-<br="" to="">NER CONTROL CIRCUIT / OPEN (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2009	Intake Manifold Runner Control Cir- cuit Low (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-257,="" intake="" manifold="" p2009="" run-<br="" to="">NER CONTROL CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P2011	Intake Manifold Runner Control Cir- cuit / Open (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-259,="" intake="" manifold="" p2011="" run-<br="" to="">NER CONTROL CIRCUIT / OPEN (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2012	Intake Manifold Runner Control Cir- cuit Low (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-261,="" intake="" manifold="" p2012="" run-<br="" to="">NER CONTROL CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P2016	Intake Manifold Runner Position Sen- sor/Switch Circuit Low (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-263,="" intake="" manifold="" p2016="" run-<br="" to="">NER POSITION SENSOR / SWITCH CIRCUIT LOW (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2017	Intake Manifold Runner Position Sen- sor/Switch Circuit High (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-266,="" intake="" manifold="" p2017="" run-<br="" to="">NER POSITION SENSOR / SWITCH CIRCUIT HIGH (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2021	Intake Manifold Runner Position Sen- sor/Switch Circuit Low (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-268,="" intake="" manifold="" p2021="" run-<br="" to="">NER POSITION SENSOR / SWITCH CIRCUIT LOW (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2022	Intake Manifold Runner Position Sen- sor/Switch Circuit High (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-271,="" intake="" manifold="" p2022="" run-<br="" to="">NER POSITION SENSOR / SWITCH CIRCUIT HIGH (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

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P2088	OCV Solenoid Valve Signal A Circuit Open (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-273,="" ocv="" p2088="" sig-<br="" solenoid="" to="" valve="">NAL A CIRCUIT OPEN (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2089	OCV Solenoid Valve Signal A Circuit Short (Bank 1)	<ref. dtc="" en(h4dotc)(diag)-275,="" ocv="" p2089="" sig-<br="" solenoid="" to="" valve="">NAL A CIRCUIT SHORT (BANK 1), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2092	OCV Solenoid Valve Signal A Circuit Open (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-277,="" ocv="" p2092="" sig-<br="" solenoid="" to="" valve="">NAL A CIRCUIT OPEN (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2093	OCV Solenoid Valve Signal A Circuit Short (Bank 2)	<ref. dtc="" en(h4dotc)(diag)-279,="" ocv="" p2093="" sig-<br="" solenoid="" to="" valve="">NAL A CIRCUIT SHORT (BANK 2), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. catalyst="" dtc="" en(h4dotc)(diag)-281,="" fuel="" p2096="" post="" to="" trim<br="">SYSTEM TOO LEAN BANK 1, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2097	Post Catalyst Fuel Trim System Too Rich Bank 1	<ref. catalyst="" dtc="" en(h4dotc)(diag)-286,="" fuel="" p2097="" post="" to="" trim<br="">SYSTEM TOO RICH BANK 1, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2101	Throttle Actuator Control Motor Cir- cuit Range/Performance	<ref. actuator<br="" dtc="" en(h4dotc)(diag)-290,="" p2101="" throttle="" to="">CONTROL MOTOR CIRCUIT RANGE/PERFORMANCE, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P2102	Throttle Actuator Control Motor Cir- cuit 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 Cir- cuit High	<ref. actuator<br="" dtc="" en(h4dotc)(diag)-299,="" 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. dtc="" en(h4dotc)(diag)-300,="" p2109="" pedal="" posi-<br="" throttle="" to="">TION SENSOR A MINIMUM STOP PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2122	Throttle/Pedal Position Sensor/ Switch "D" Circuit Low Input	<ref. dtc="" en(h4dotc)(diag)-301,="" p2122="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/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(h4dotc)(diag)-304,="" p2123="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "D" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2127	Throttle/Pedal Position Sensor/ Switch "E" Circuit Low Input	<ref. dtc="" en(h4dotc)(diag)-306,="" p2127="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/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(h4dotc)(diag)-309,="" p2128="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "E" CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2135	Throttle/Pedal Position Sensor/ Switch "A"/"B" Voltage Rationality	<ref. dtc="" en(h4dotc)(diag)-311,="" p2135="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "A"/"B" VOLTAGE RATIONALITY, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC).></ref.>
P2138	Throttle/Pedal Position Sensor/ Switch "D"/"E" Voltage Rationality	<ref. dtc="" en(h4dotc)(diag)-316,="" p2138="" pedal="" posi-<br="" throttle="" to="">TION SENSOR/SWITCH "D"/"E" VOLTAGE RATIONALITY, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC).></ref.>
P2227	Barometric Pressure Circuit Range/ Performance	<ref. barometric="" dtc="" en(h4dotc)(diag)-319,="" p2227="" pressure<br="" to="">CIRCUIT RANGE/PERFORMANCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2228	Barometric Pressure Circuit Low Input	<ref. barometric="" dtc="" en(h4dotc)(diag)-320,="" p2228="" pressure<br="" to="">CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2229	Barometric Pressure Circuit High Input	<ref. barometric="" dtc="" en(h4dotc)(diag)-320,="" p2229="" pressure<br="" to="">CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>