18.List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Index
P0030	HO2S Heater Control Circuit (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" en(h4so)-84,="" heater="" ho2s="" p0030="" to="" —="">(BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0031	HO2S Heater Control Circuit Low (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" en(h4so)-86,="" heater="" ho2s="" p0031="" to="" —="">LOW (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0032	HO2S Heater Control Circuit High (Bank 1 Sensor 1)	<ref. circuit<br="" control="" dtc="" en(h4so)-89,="" heater="" ho2s="" p0032="" to="" —="">HIGH (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0037	HO2S Heater Control Circuit Low (Bank 1 Sensor 2)	<ref. circuit<br="" control="" dtc="" en(h4so)-91,="" heater="" ho2s="" p0037="" to="" —="">LOW (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0038	HO2S Heater Control Circuit High (Bank 1 Sensor 2)	<ref. circuit<br="" control="" dtc="" en(h4so)-94,="" heater="" ho2s="" p0038="" to="" —="">HIGH (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0065	Air Assisted Injector Control Range/ Performance	<ref. air="" assisted="" con-<br="" dtc="" en(h4so)-96,="" injector="" p0065="" to="" —="">TROL RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0066	Air Assisted Injector Control Circuit or Circuit Low	<ref. air="" assisted="" con-<br="" dtc="" en(h4so)-98,="" injector="" p0066="" to="" —="">TROL CIRCUIT OR CIRCUIT LOW —, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).></ref.>
P0067	Air Assisted Injector Control Circuit High	<ref. air="" assisted="" con-<br="" dtc="" en(h4so)-100,="" injector="" p0067="" to="" —="">TROL CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0068	Manifold Absolute Pressure/Baro- metric Pressure Circuit Range/Per- formance Problem	<ref. absolute="" dtc="" en(h4so)-102,="" manifold="" p0068="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0107	Manifold Absolute Pressure/Baro- metric Pressure Circuit Low Input	<ref. absolute="" dtc="" en(h4so)-104,="" manifold="" p0107="" pres-<br="" to="" —="">SURE/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="" dtc="" en(h4so)-107,="" manifold="" p0108="" pres-<br="" to="" —="">SURE/BAROMETRIC PRESSURE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0111	Intake Air Temperature Circuit Range/Performance	<ref. air="" cir-<br="" dtc="" en(h4so)-110,="" intake="" p0111="" temperature="" to="" —="">CUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0112	Intake Air Temperature Circuit Low Input	<ref. air="" cir-<br="" dtc="" en(h4so)-112,="" intake="" p0112="" temperature="" to="">CUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0113	Intake Air Temperature Circuit High Input	<ref. air="" cir-<br="" dtc="" en(h4so)-114,="" intake="" p0113="" temperature="" to="" —="">CUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0117	Engine Coolant Temperature Circuit Low Input	<ref. coolant="" dtc="" en(h4so)-117,="" engine="" p0117="" tempera-<br="" to="" —="">TURE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0118	Engine Coolant Temperature Circuit High Input	<ref. coolant="" dtc="" en(h4so)-119,="" engine="" p0118="" tempera-<br="" to="" —="">TURE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0121	Throttle/Pedal Position Sensor/ Switch "A" Circuit Range/Perfor- mance	<ref. dtc="" en(h4so)-122,="" p0121="" pedal="" position<br="" throttle="" to="" —="">SENSOR/SWITCH "A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0122	Throttle/Pedal Position Sensor/ Switch "A" Circuit Low Input	<ref. dtc="" en(h4so)-124,="" p0122="" pedal="" position<br="" throttle="" to="" —="">SENSOR/SWITCH "A" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Index
P0123	Throttle/Pedal Position Sensor/ Switch "A" Circuit High Input	<ref. dtc="" en(h4so)-127,="" p0123="" pedal="" position<br="" throttle="" to="" —="">SENSOR/SWITCH "A" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0125	Insufficient Coolant Temperature for Closed Loop Fuel Control	<ref. coolant="" dtc="" en(h4so)-129,="" insufficient="" p0125="" tem-<br="" to="" —="">PERATURE FOR CLOSED LOOP FUEL CONTROL —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0128	Coolant Thermostat (Coolant Tem- perature Below Thermostat Regulat- ing Temperature)	<ref. (cool-<br="" coolant="" dtc="" en(h4so)-131,="" p0128="" thermostat="" to="" —="">ANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERA- TURE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0129	Atmospheric Pressure Sensor Circuit Range/Performance	<ref. atmospheric="" dtc="" en(h4so)-132,="" p0129="" pressure="" sen-<br="" to="" —="">SOR CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0130	O ₂ Sensor Circuit (Bank 1 Sensor 1)	<ref. dtc="" en(h4so)-133,="" o<sub="" p0130="" to="" —="">2 SENSOR CIRCUIT (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0131	O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 1)	<ref. dtc="" en(h4so)-136,="" o<sub="" p0131="" to="" —="">2 SENSOR CIRCUIT LOW VOLT- AGE (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0132	O ₂ Sensor Circuit High Voltage (Bank 1 Sensor 1)	<ref. dtc="" en(h4so)-138,="" o<sub="" p0132="" to="" —="">2 SENSOR CIRCUIT HIGH VOLT- AGE (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0133	O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 1)	<ref. dtc="" en(h4so)-140,="" o<sub="" p0133="" to="" —="">2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0134	O ₂ Sensor Circuit No Activity Detected (Bank 1 Sensor 1)	<ref. dtc="" en(h4so)-142,="" o<sub="" p0134="" to="" —="">2 SENSOR CIRCUIT NO ACTIV- ITY DETECTED (BANK 1 SENSOR 1) —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0137	O ₂ Sensor Circuit Low Voltage (Bank 1 Sensor 2)	<ref. dtc="" en(h4so)-144,="" o<sub="" p0137="" to="" —="">2 SENSOR CIRCUIT LOW VOLT- AGE (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0138	O ₂ Sensor Circuit High Voltage (Bank 1 Sensor 2)	<ref. dtc="" en(h4so)-147,="" o<sub="" p0138="" to="" —="">2 SENSOR CIRCUIT HIGH VOLT- AGE (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0139	O ₂ Sensor Circuit Slow Response (Bank 1 Sensor 2)	<ref. dtc="" en(h4so)-150,="" o<sub="" p0139="" to="" —="">2 SENSOR CIRCUIT SLOW RESPONSE (BANK 1 SENSOR 2) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0171	System too Lean (Bank 1)	<ref. (bank="" 1)="" dtc="" en(h4so)-152,="" lean="" p0171="" system="" to="" too="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0172	System too Rich (Bank 1)	<ref. (bank="" 1)="" dtc="" en(h4so)-153,="" p0172="" rich="" system="" to="" too="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0181	Fuel Temperature Sensor "A" Circuit Range/Performance	<ref. dtc="" en(h4so)-155,="" fuel="" p0181="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT RANGE/PERFORMANCE —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0182	Fuel Temperature Sensor "A" Circuit Low Input	<ref. dtc="" en(h4so)-157,="" fuel="" p0182="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0183	Fuel Temperature Sensor "A" Circuit High Input	<ref. dtc="" en(h4so)-159,="" fuel="" p0183="" sensor<br="" temperature="" to="" —="">"A" CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0301	Cylinder 1 Misfire Detected	<ref. 1="" cylinder="" detected<br="" dtc="" en(h4so)-162,="" misfire="" p0301="" to="" —="">—, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0302	Cylinder 2 Misfire Detected	<ref. 2="" cylinder="" detected<br="" dtc="" en(h4so)-162,="" misfire="" p0302="" to="" —="">—, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0303	Cylinder 3 Misfire Detected	<ref. 3="" cylinder="" detected<br="" dtc="" en(h4so)-162,="" misfire="" p0303="" to="" —="">—, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0304	Cylinder 4 Misfire Detected	<ref. 4="" cylinder="" detected<br="" dtc="" en(h4so)-163,="" misfire="" p0304="" to="" —="">—, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) ENGINE (DIAGNOSTICS)

DTC	Item	Index
P0327	Knock Sensor 1 Circuit Low Input (Bank 1 or Single Sensor)	<ref. 1="" circuit="" dtc="" en(h4so)-169,="" knock="" low<br="" p0327="" sensor="" to="" —="">INPUT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0328	Knock Sensor 1 Circuit High Input (Bank 1 or Single Sensor)	<ref. 1="" circuit="" dtc="" en(h4so)-171,="" high<br="" knock="" p0328="" sensor="" to="" —="">INPUT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC).></ref.>
P0335	Crankshaft Position Sensor "A" Cir- cuit	<ref. crankshaft="" dtc="" en(h4so)-173,="" p0335="" position="" sen-<br="" to="" —="">SOR "A" CIRCUIT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0336	Crankshaft Position Sensor "A" Cir- cuit Range/Performance	<ref. crankshaft="" dtc="" en(h4so)-175,="" p0336="" position="" sen-<br="" to="" —="">SOR "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(h4so)-177,="" p0340="" position="" sensor<br="" to="" —="">"A" CIRCUIT (BANK 1 OR SINGLE SENSOR) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0341	Camshaft Position Sensor "A" Circuit Range/Performance (Bank 1 or Sin- gle Sensor)	<ref. camshaft="" dtc="" en(h4so)-179,="" p0341="" position="" sensor<br="" to="" —="">"A" CIRCUIT RANGE/PERFORMANCE (BANK 1 OR SINGLE SENSOR) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0400	EGR System	<ref. diagnostic="" dtc="" egr="" en(h4so)-182,="" p0400="" pro-<br="" system="" to="" —="" —,="">cedure with Diagnostic Trouble Code (DTC).></ref.>
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	<ref. catalyst="" dtc="" efficiency<br="" en(h4so)-185,="" p0420="" system="" to="" —="">BELOW THRESHOLD (BANK 1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0442	Evaporative Emission Control Sys- tem Leak Detected (small leak)	<ref. con-<br="" dtc="" emission="" en(h4so)-187,="" evaporative="" p0442="" to="" —="">TROL 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. con-<br="" dtc="" emission="" en(h4so)-191,="" evaporative="" p0447="" to="" —="">TROL 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. con-<br="" dtc="" emission="" en(h4so)-194,="" evaporative="" p0448="" to="" —="">TROL SYSTEM VENT CONTROL CIRCUIT SHORTED —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC).></ref.>
P0451	Evaporative Emission Control Sys- tem Pressure Sensor Range/Perfor- mance	<ref. con-<br="" dtc="" emission="" en(h4so)-196,="" evaporative="" p0451="" to="" —="">TROL SYSTEM PRESSURE SENSOR RANGE/PERFORMANCE, Diagnos- tic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0452	Evaporative Emission Control Sys- tem Pressure Sensor Low Input	<ref. con-<br="" dtc="" emission="" en(h4so)-198,="" evaporative="" p0452="" to="" —="">TROL SYSTEM PRESSURE SENSOR LOW INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.>
P0453	Evaporative Emission Control Sys- tem Pressure Sensor High Input	<ref. con-<br="" dtc="" emission="" en(h4so)-201,="" evaporative="" p0453="" to="" —="">TROL 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. con-<br="" dtc="" emission="" en(h4so)-204,="" evaporative="" p0456="" to="" —="">TROL 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. con-<br="" dtc="" emission="" en(h4so)-208,="" evaporative="" p0457="" to="" —="">TROL SYSTEM LEAK DETECTED (FUEL CAP LOOSE/OFF) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0458	Evaporative Emission Control Sys- tem Purge Control Valve Circuit Low	<ref. con-<br="" dtc="" emission="" en(h4so)-212,="" evaporative="" p0458="" to="" —="">TROL 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. con-<br="" dtc="" emission="" en(h4so)-215,="" evaporative="" p0459="" to="" —="">TROL SYSTEM PURGE CONTROL VALVE CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0461	Fuel Level Sensor Circuit Range/Per- formance	<ref. circuit<br="" dtc="" en(h4so)-217,="" fuel="" level="" p0461="" sensor="" to="" —="">RANGE/PERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

ENGINE (DIAGNOSTICS)

P0733

Gear 3 Incorrect Ratio

LIST OF DIAGNOSTIC TROUBLE CODE (DTC)

DTC	Item	Index
P0462	Fuel Level Sensor Circuit Low Input	Ref. to EN(H4SO)-219, DTC P0462 — FUEL LEVEL SENSOR CIRCUIT
F 0402		LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
P0463	Fuel Level Sensor Circuit High Input	<ref. circuit<br="" dtc="" en(h4so)-222,="" fuel="" level="" p0463="" sensor="" to="" —="">HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0464	Fuel Level Sensor Circuit Intermittent	<ref. circuit<br="" dtc="" en(h4so)-225,="" fuel="" level="" p0464="" sensor="" to="" —="">INTERMITTENT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0483	Cooling Fan Rationality Check	<ref. cooling="" dtc="" en(h4so)-227,="" fan="" p0483="" rationality<br="" to="" —="">CHECK —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0502	Vehicle Speed Sensor Circuit Low Input	<ref. cir-<br="" dtc="" en(h4so)-230,="" p0502="" sensor="" speed="" to="" vehicle="" —="">CUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0503	Vehicle Speed Sensor Intermittent/ Erratic/High	<ref. dtc="" en(h4so)-231,="" inter-<br="" p0503="" sensor="" speed="" to="" vehicle="" —="">MITTENT/ERRATIC/HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0506	Idle Control System RPM Lower Than Expected	<ref. control="" dtc="" en(h4so)-233,="" idle="" p0506="" rpm<br="" system="" to="" —="">LOWER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0507	Idle Control System RPM Higher Than Expected	<ref. control="" dtc="" en(h4so)-235,="" idle="" p0507="" rpm<br="" system="" to="" —="">HIGHER THAN EXPECTED —, Diagnostic Procedure with Diagnostic Trou- ble Code (DTC).></ref.>
P0512	Starter Request Circuit	<ref. circuit="" dtc="" en(h4so)-237,="" p0512="" request="" starter="" to="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0519	Idle Control System Malfunction (Fail-Safe)	<ref. control="" dtc="" en(h4so)-240,="" idle="" mal-<br="" p0519="" system="" to="" —="">FUNCTION (FAIL-SAFE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0565	Cruise Control On Signal	<ref. control="" cruise="" dtc="" en(h4so)-242,="" on="" p0565="" signal="" to="" —="" —<br="">, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0604	Internal Control Module Random Access Memory (RAM) Error	<ref. control="" dtc="" en(h4so)-244,="" internal="" module<br="" p0604="" to="" —="">RANDOM ACCESS MEMORY (RAM) ERROR —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0691	Cooling Fan 1 Control Circuit Low	<ref. 1="" cir-<br="" control="" cooling="" dtc="" en(h4so)-246,="" fan="" p0691="" to="" —="">CUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0692	Cooling Fan 1 Control Circuit High	<ref. 1="" cir-<br="" control="" cooling="" dtc="" en(h4so)-249,="" fan="" p0692="" to="" —="">CUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0703	Torque Converter/Brake Switch "B" Circuit	<ref. brake<br="" converter="" dtc="" en(h4so)-252,="" p0703="" to="" torque="" —="">SWITCH "B" CIRCUIT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0705	Transmission Range Sensor Circuit (PRNDL Input)	<ref. 4at(h4so)-91,="" check="" diagnostic="" inhibitor="" proce-<br="" switch.,="" to="">dure for No-diagnostic Trouble Code (DTC).></ref.>
P0710	Transmission Fluid Temperature Sensor Circuit	<ref. 27="" 4at(h4so)-35,="" atf="" diagnos-<br="" dtc="" sensor,="" temperature="" to="">tic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0716	Torque Converter Turbine Speed Sensor	<ref. (dtc).="" 36="" 4at(h4so)-45,="" code="" converter="" diagnostic="" dtc="" procedure="" sensor,="" speed="" to="" torque="" trouble="" turbine="" with=""></ref.>
P0720	Output Speed Sensor Circuit	<ref. (dtc).="" 33="" 4at(h4so)-42,="" code="" diagnostic="" dtc="" front="" procedure="" sensor,="" speed="" to="" trouble="" vehicle="" with=""></ref.>
P0726	Engine Speed Input Circuit Range/ Performance	<ref. (dtc).="" 11="" 4at(h4so)-33,="" code="" diagnostic="" dtc="" engine="" procedure="" signal,="" speed="" to="" trouble="" with=""></ref.>
P0731	Gear 1 Incorrect Ratio	<ref. 1="" dtc="" en(h4so)-254,="" gear="" incorrect="" p0731="" ratio="" to="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0732	Gear 2 Incorrect Ratio	<ref. 2="" dtc="" en(h4so)-254,="" gear="" incorrect="" p0732="" ratio="" to="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
D0700		

EN(H4SO)-80

<Ref. to EN(H4SO)-254, DTC P0733 — GEAR 3 INCORRECT RATIO —,

Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) ENGINE (DIAGNOSTICS)

DTC	Item	Index
P0734	Gear 4 Incorrect Ratio	<ref. 4="" dtc="" en(h4so)-255,="" gear="" incorrect="" p0734="" ratio="" to="" —="" —,<br="">Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0741	Torque Converter Clutch Circuit Per- formance or Stuck Off	<ref. clutch<br="" converter="" dtc="" en(h4so)-256,="" p0741="" to="" torque="" —="">CIRCUIT PERFORMANCE OR STUCK OFF —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0743	Torque Converter Clutch Circuit Elec- trical	<ref. 4at(h4so)-75,="" 77="" diagnostic<br="" dtc="" duty="" lock-up="" solenoid,="" to="">Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0748	Pressure Control Solenoid "A" Elec- trical	<ref. (dtc).="" 4at(h4so)-66,="" 75="" code="" diagnostic="" dtc="" duty="" line="" pressure="" procedure="" solenoid,="" to="" trouble="" with=""></ref.>
P0753	Shift Solenoid "A" Electrical	<ref. 1,="" 4at(h4so)-53,="" 71="" diagnostic="" dtc="" procedure<br="" shift="" solenoid="" to="">with Diagnostic Trouble Code (DTC).></ref.>
P0758	Shift Solenoid "B" Electrical	<ref. (dtc).="" 2,="" 4at(h4so)-56,="" 72="" code="" diagnostic="" dtc="" procedure="" shift="" solenoid="" to="" trouble="" with=""></ref.>
P0771	Shift Solenoid "E" Performance or Stuck Off	<ref. 4at(h4so)-59,="" 73="" clutch="" diag-<br="" dtc="" low="" solenoid,="" timing="" to="">nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0778	Pressure Control Solenoid "B" Elec- trical	<ref. (dtc).="" 2-4="" 4at(h4so)-71,="" 76="" brake="" code="" diagnostic="" dtc="" duty="" procedure="" solenoid,="" to="" trouble="" with=""></ref.>
P0785	Shift/Timing Solenoid	<ref. 2-4="" 4at(h4so)-62,="" 74="" brake="" diagnos-<br="" dtc="" solenoid,="" timing="" to="">tic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0851	Neutral Position Switch Input Circuit Low	<ref. dtc="" en(h4so)-258,="" neutral="" p0851="" position="" switch<br="" to="" —="">INPUT CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <ref. dtc="" en(h4so)-260,="" neutral="" p0851="" posi-<br="" to="" —="">TION SWITCH INPUT CIRCUIT LOW (MT MODEL) —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC).></ref.></ref.>
P0852	Neutral Position Switch Input Circuit High	<ref. dtc="" en(h4so)-263,="" neutral="" p0852="" position="" switch<br="" to="" —="">INPUT CIRCUIT HIGH (AT MODEL) —, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC).> <ref. dtc="" en(h4so)-263,="" neutral<br="" p0852="" to="" —="">POSITION SWITCH INPUT CIRCUIT HIGH (AT MODEL) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.></ref.>
P0864	TCM Communication Circuit Range/ Performance	<ref. circuit<br="" communication="" dtc="" en(h4so)-266,="" p0864="" tcm="" to="" —="">RANGEPERFORMANCE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P0865	TCM Communication Circuit Low	<ref. (dtc).="" circuit="" code="" communication="" diagnostic="" dtc="" en(h4so)-268,="" low="" p0865="" procedure="" tcm="" to="" trouble="" with="" —="" —,=""></ref.>
P0866	TCM Communication Circuit High	<ref. circuit<br="" communication="" dtc="" en(h4so)-270,="" p0866="" tcm="" to="" —="">HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1110	Atmospheric Pressure Sensor Circuit Malfunction (Low Input)	<ref. atmospheric="" dtc="" en(h4so)-272,="" p1110="" pressure="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1111	Atmospheric Pressure Sensor Circuit Malfunction (High Input)	<ref. atmospheric="" dtc="" en(h4so)-272,="" p1111="" pressure="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1134	A/F Sensor Micro-computer Problem	<ref. a="" dtc="" en(h4so)-273,="" f="" micro-computer<br="" p1134="" sensor="" to="" —="">PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1137	O ₂ Sensor Circuit (Lamda=1) (Bank1 Sensor1)	<ref. dtc="" en(h4so)-275,="" o<sub="" p1137="" to="" —="">2 SENSOR CIRCUIT (LAMDA=1) (BANK1 SENSOR1) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1400	Fuel Tank Pressure Control Solenoid Valve Circuit Low	<ref. con-<br="" dtc="" en(h4so)-278,="" fuel="" p1400="" pressure="" tank="" to="" —="">TROL SOLENOID VALVE CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1420	Fuel Tank Pressure Control Solenoid Valve Circuit High	< Ref. to EN(H4SO)-281, DTC P1420 — FUEL TANK PRESSURE CON- TROL SOLENOID VALVE CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
P1443	Vent Control Solenoid Valve Function Problem	<ref. control="" dtc="" en(h4so)-283,="" p="" p1443="" solenoid<="" to="" vent="" —=""> VALVE FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

DTC	Item	Index
P1446	Fuel Tank Sensor Control Valve Cir- cuit Low	<ref. control<br="" dtc="" en(h4so)-285,="" fuel="" p1446="" sensor="" tank="" to="" —="">VALVE CIRCUIT LOW —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1447	Fuel Tank Sensor Control Valve Cir- cuit High	<ref. control<br="" dtc="" en(h4so)-288,="" fuel="" p1447="" sensor="" tank="" to="" —="">VALVE CIRCUIT HIGH —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1448	Fuel Tank Sensor Control Valve Range/Performance Problem	<ref. control<br="" dtc="" en(h4so)-290,="" fuel="" p1448="" sensor="" tank="" to="" —="">VALVE RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1492	EGR signal line 1 circuit (Low)	<ref. 1="" circuit<br="" dtc="" egr="" en(h4so)-292,="" line="" p1492="" signal="" to="" —="">(LOW) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1493	EGR signal line 1 circuit (High)	<ref. 1="" circuit<br="" dtc="" egr="" en(h4so)-292,="" line="" p1493="" signal="" to="" —="">(HIGH) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1494	EGR signal line 2 circuit (Low)	<ref. (dtc).="" (low)="" 2="" circuit="" code="" diagnostic="" dtc="" egr="" en(h4so)-292,="" line="" p1494="" procedure="" signal="" to="" trouble="" with="" —="" —,=""></ref.>
P1495	EGR signal line 2 circuit (High)	<ref. 2="" circuit<br="" dtc="" egr="" en(h4so)-292,="" line="" p1495="" signal="" to="" —="">(HIGH) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1496	EGR signal line 3 circuit (Low)	<ref. 3="" circuit<br="" dtc="" egr="" en(h4so)-292,="" line="" p1496="" signal="" to="" —="">(LOW) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1497	EGR signal line 3 circuit (High)	<ref. 3="" circuit<br="" dtc="" egr="" en(h4so)-292,="" line="" p1497="" signal="" to="" —="">(HIGH) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1498	EGR signal line 4 circuit (Low)	<ref. 4="" circuit<br="" dtc="" egr="" en(h4so)-293,="" line="" p1498="" signal="" to="" —="">(LOW) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1499	EGR signal line 4 circuit (High)	<ref. 4="" circuit<br="" dtc="" egr="" en(h4so)-295,="" line="" p1499="" signal="" to="" —="">(HIGH), Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1510	ISC Solenoid Valve Signal #1 Circuit Malfunction (Low Input)	<ref. #1<br="" dtc="" en(h4so)-297,="" isc="" p1510="" signal="" solenoid="" to="" valve="" —="">CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1511	ISC Solenoid Valve Signal #1 Circuit Malfunction (High Input)	Ref. to EN(H4SO)-297, DTC P1511 — ISC SOLENOID VALVE SIGNAL #1 CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
P1512	ISC Solenoid Valve Signal #2 Circuit Malfunction (Low Input)	<ref. #2<br="" dtc="" en(h4so)-297,="" isc="" p1512="" signal="" solenoid="" to="" valve="" —="">CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1513	ISC Solenoid Valve Signal #2 Circuit Malfunction (High Input)	<ref. #2<br="" dtc="" en(h4so)-297,="" isc="" p1513="" signal="" solenoid="" to="" valve="" —="">CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1514	ISC Solenoid Valve Signal #3 Circuit Malfunction (Low Input)	<ref. #3<br="" dtc="" en(h4so)-297,="" isc="" p1514="" signal="" solenoid="" to="" valve="" —="">CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1515	ISC Solenoid Valve Signal #3 Circuit Malfunction (High Input)	<ref. #3<br="" dtc="" en(h4so)-297,="" isc="" p1515="" signal="" solenoid="" to="" valve="" —="">CIRCUIT MALFUNCTION (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1516	ISC Solenoid Valve Signal #4 Circuit Malfunction (Low Input)	<ref. #4<br="" dtc="" en(h4so)-298,="" isc="" p1516="" signal="" solenoid="" to="" valve="" —="">CIRCUIT MALFUNCTION (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1517	ISC Solenoid Valve Signal #4 Circuit Malfunction (High Input)	Control Con
P1518	Starter Switch Circuit Low input	Ref. to EN(H4SO)-302, DTC P1518 — STARTER SWITCH CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
P1560	Back-up Voltage Circuit Malfunction	<ref. back-up="" circuit<br="" dtc="" en(h4so)-305,="" p1560="" to="" voltage="" —="">MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1698	Engine Torque Control Cut Signal Circuit Low Input	<ref. control="" cut<br="" dtc="" en(h4so)-307,="" engine="" p1698="" to="" torque="" —="">SIGNAL CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) ENGINE (DIAGNOSTICS)

DTC	Item	Index
P1699	Engine Torque Control Cut Signal Circuit High Input	<ref. control="" cut<br="" dtc="" en(h4so)-309,="" engine="" p1699="" to="" torque="" —="">SIGNAL CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1700	Throttle Position Sensor	<ref. 31="" 4at(h4so)-38,="" diag-<br="" dtc="" position="" sensor,="" throttle="" to="">nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1711	Engine Torque Control Signal 1 Cir- cuit Malfunction	<ref. control="" dtc="" en(h4so)-311,="" engine="" p1711="" sig-<br="" to="" torque="" —="">NAL 1 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P1712	Engine Torque Control Signal 2 Cir- cuit Malfunction	<ref. control="" dtc="" en(h4so)-313,="" engine="" p1712="" sig-<br="" to="" torque="" —="">NAL 2 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>
P2096	Post Catalyst Fuel Trim System Too Lean Bank 1	<ref. catalyst="" dtc="" en(h4so)-315,="" 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(h4so)-319,="" fuel="" p2097="" post="" to="" trim<br="" —="">SYSTEM TOO RICH BANK 1 —, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></ref.>