19. List of Diagnostic Trouble Code (DTC) for AT Vehicles 5008601

A: LIST S008601A12

DTC	Item	Index
No. P0031	Front oxygen (A/F) sensor heater circuit low input	<ref. (a="" dtc="" en(h4)-310="" f)<br="" front="" oxygen="" p0031="" to="" —="">SENSOR HEATER CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0032	Front oxygen (A/F) sensor heater circuit high input	<ref. (a="" (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-314="" f)="" for="" front="" heater="" high="" input="" oxygen="" p0032="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0037	Rear oxygen sensor heater circuit malfunction	<ref. dtc="" en(h4)-316="" oxygen="" p0037="" rear="" sen-<br="" to="" —="">SOR HEATER CIRCUIT MALFUNCTION —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0038	Rear oxygen sensor heater circuit high input	<ref. dtc="" en(h4)-320="" oxygen="" p0038="" rear="" sen-<br="" to="" —="">SOR HEATER CIRCUIT HIGH INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0065	Air assist injector solenoid valve malfunction	<ref. (dtc)="" air="" assist="" at="" code="" diagnostic="" dtc="" en(h4)-322="" for="" injector="" malfunction="" p0065="" procedure="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P0066	Air assist injector solenoid valve circuit low input	<ref. (dtc)="" air="" assist="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-324="" for="" injector="" input="" low="" p0066="" procedure="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P0067	Air assist injector solenoid valve circuit high input	<ref. (dtc)="" air="" assist="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-326="" for="" high="" injector="" input="" p0067="" procedure="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P0106	Pressure sensor circuit range/performance prob- lem (low input)	<ref. (dtc)="" (low="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-328="" for="" input)="" p0106="" performance="" pressure="" problem="" procedure="" range="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0107	Pressure sensor circuit low input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-332="" for="" input="" low="" p0107="" pressure="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0108	Pressure sensor circuit high input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-336="" for="" high="" input="" p0108="" pressure="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0111	Intake air temperature sensor circuit range/ performance problem	<ref. (dtc)="" air="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-340="" for="" intake="" p0111="" performance="" problem="" procedure="" range="" sensor="" temperature="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0112	Intake air temperature sensor circuit low input	<ref. air="" dtc="" en(h4)-342="" intake="" p0112="" tempera-<br="" to="" —="">TURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0113	Intake air temperature sensor circuit high input	<ref. air="" dtc="" en(h4)-344="" intake="" p0113="" tempera-<br="" to="" —="">TURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0117	Engine coolant temperature sensor circuit low input	<ref. (dtc)="" at="" circuit="" code="" coolant="" diagnostic="" dtc="" en(h4)-348="" engine="" for="" input="" low="" p0117="" procedure="" sensor="" temperature="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0118	Engine coolant temperature sensor circuit high input	<ref. (dtc)="" at="" circuit="" code="" coolant="" diagnostic="" dtc="" en(h4)-350="" engine="" for="" high="" input="" p0118="" procedure="" sensor="" temperature="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>

DTC No.	Item	Index
P0121	Throttle position sensor circuit range/ performance problem (high input)	<ref. dtc="" en(h4)-354="" p0121="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0122	Throttle position sensor circuit low input	<ref. dtc="" en(h4)-356="" p0122="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0123	Throttle position sensor circuit high input	<ref. dtc="" en(h4)-360="" p0123="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0125	Insufficient coolant temperature for closed loop fuel control	<ref. cool-<br="" dtc="" en(h4)-362="" insufficient="" p0125="" to="" —="">ANT TEMPERATURE FOR CLOSED LOOP FUEL CON- TROL -, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0128	Thermostat malfunction	<ref. (dtc)="" at="" code="" diagnostic="" dtc="" en(h4)-364="" for="" mal-function="" p0128="" procedure="" thermostat="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0130	Front oxygen (A/F) sensor circuit range/ performance problem (Lean)	<ref. (a="" (dtc)="" (lean)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-366="" f)="" for="" front="" oxygen="" p0130="" performance="" problem="" procedure="" range="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0131	Front oxygen (A/F) sensor circuit malfunction (open circuit)	<ref. (a="" (dtc)="" (open="" at="" circuit="" circuit)="" code="" diagnostic="" dtc="" en(h4)-370="" f)="" for="" front="" malfunction="" oxygen="" p0131="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0132	Front oxygen (A/F) sensor circuit malfunction (short circuit)	<ref. (a="" (dtc)="" (short="" at="" circuit="" circuit)="" code="" diagnostic="" dtc="" en(h4)-372="" f)="" for="" front="" malfunction="" oxygen="" p0132="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0133	Front oxygen (A/F) sensor circuit slow response	<ref. (a="" (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-374="" f)="" for="" front="" oxygen="" p0133="" procedure="" response="" sensor="" slow="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0136	Rear oxygen sensor circuit malfunction	<ref. dtc="" en(h4)-376="" oxygen="" p0136="" rear="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0139	Rear oxygen sensor circuit slow response	<ref. dtc="" en(h4)-380="" oxygen="" p0139="" rear="" sen-<br="" to="" —="">SOR CIRCUIT SLOW RESPONSE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0170	Fuel trim malfunction	<ref. (dtc)="" at="" code="" diagnostic="" dtc="" en(h4)-382="" for="" fuel="" malfunc-tion="" p0170="" procedure="" to="" trim="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0181	Fuel temperature sensor A circuit range/ performance problem	<ref. dtc="" en(h4)-384="" fuel="" p0181="" temperature<br="" to="" —="">SENSOR A CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0182	Fuel temperature sensor A circuit low input	<ref. dtc="" en(h4)-386="" fuel="" p0182="" temperature<br="" to="" —="">SENSOR A CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0183	Fuel temperature sensor A circuit high input	<ref. dtc="" en(h4)-388="" fuel="" p0183="" temperature<br="" to="" —="">SENSOR A CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0301	Cylinder 1 misfire detected	<ref. (dtc)="" 1="" at="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h4)-391="" for="" misfire="" p0301="" procedure="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0302	Cylinder 2 misfire detected	<ref. (dtc)="" 2="" at="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h4)-391="" for="" misfire="" p0302="" procedure="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>

DTC No.	Item	Index
P0303	Cylinder 3 misfire detected	<ref. (dtc)="" 3="" at="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h4)-391="" for="" misfire="" p0303="" procedure="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0304	Cylinder 4 misfire detected	<ref. (dtc)="" 4="" at="" code="" cylinder="" detected="" diagnostic="" dtc="" en(h4)-392="" for="" misfire="" p0304="" procedure="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0327	Knock sensor circuit low input	<ref. cir-<br="" dtc="" en(h4)-400="" knock="" p0327="" sensor="" to="" —="">CUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0328	Knock sensor circuit high input	<ref. cir-<br="" dtc="" en(h4)-402="" knock="" p0328="" sensor="" to="" —="">CUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0335	Crankshaft position sensor circuit malfunction	<ref. (dtc)="" at="" circuit="" code="" crankshaft="" diagnostic="" dtc="" en(h4)-404="" for="" malfunction="" p0335="" position="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0336	Crankshaft position sensor circuit range/ performance problem	<ref. (dtc)="" at="" circuit="" code="" crankshaft="" diagnostic="" dtc="" en(h4)-406="" for="" p0336="" performance="" position="" problem="" procedure="" range="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0340	Camshaft position sensor circuit malfunction	<ref. camshaft="" dtc="" en(h4)-408="" p0340="" position<br="" to="" —="">SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0341	Camshaft position sensor circuit range/ performance problem	<ref. (dtc)="" at="" camshaft="" circuit="" code="" diagnostic="" dtc="" en(h4)-410="" for="" p0341="" performance="" position="" problem="" procedure="" range="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0420	Catalyst system efficiency below threshold	<ref. (dtc)="" at="" below="" catalyst="" code="" diagnostic="" dtc="" efficiency="" en(h4)-414="" for="" p0420="" procedure="" system="" threshold="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0442	Evaporative emission control system malfunction	<ref. dtc="" emis-<br="" en(h4)-416="" evaporative="" p0442="" to="" —="">SION CONTROL SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0444	Evaporative emission control system purge control valve circuit low input	<ref. dtc="" emis-<br="" en(h4)-420="" evaporative="" p0444="" to="" —="">SION CONTROL SYSTEM PURGE CONTROL VALVE CIR- CUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0445	Evaporative emission control system purge control valve circuit high input	<ref. dtc="" emis-<br="" en(h4)-424="" evaporative="" p0445="" to="" —="">SION CONTROL SYSTEM PURGE CONTROL VALVE CIR- CUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0447	Evaporative emission control system vent control low input	<ref. dtc="" emis-<br="" en(h4)-426="" evaporative="" p0447="" to="" —="">SION CONTROL SYSTEM VENT CONTROL LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0448	Evaporative emission control system vent control high input	<ref. (dtc)="" at="" code="" control="" diagnostic="" dtc="" emis-sion="" en(h4)-430="" evaporative="" for="" high="" input="" p0448="" procedure="" system="" to="" trouble="" vehicles.="" vent="" with="" —="" —,=""></ref.>
P0451	Evaporative emission control system pressure sensor range/performance problem	<ref. dtc="" emis-<br="" en(h4)-432="" evaporative="" p0451="" to="" —="">SION CONTROL SYSTEM PRESSURE SENSOR RANGE/ PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0452	Evaporative emission control system pressure sensor low input	<ref. dtc="" emis-<br="" en(h4)-434="" evaporative="" p0452="" to="" —="">SION CONTROL SYSTEM PRESSURE SENSOR LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>

DTC No.	Item	Index
P0453	Evaporative emission control system pressure sensor high input	<ref. dtc="" emis-<br="" en(h4)-438="" evaporative="" p0453="" to="" —="">SION CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0456	Evaporative emission control system malfunction	<ref. dtc="" emis-<br="" en(h4)-442="" evaporative="" p0456="" to="" —="">SION CONTROL SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0461	Fuel level sensor circuit range/performance prob- lem	<ref. dtc="" en(h4)-446="" fuel="" level="" p0461="" sensor<br="" to="" —="">CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnos- tic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0462	Fuel level sensor circuit low input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-448="" for="" fuel="" input="" level="" low="" p0462="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0463	Fuel level sensor circuit high input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-452="" for="" fuel="" high="" input="" level="" p0463="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0464	Fuel level sensor intermittent input	<ref. (dtc)="" at="" code="" diagnostic="" dtc="" en(h4)-456="" for="" fuel="" input="" intermittent="" level="" p0464="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0480	Cooling fan relay 1 circuit low input	<ref. (dtc)="" 1="" at="" circuit="" code="" cooling="" diagnostic="" dtc="" en(h4)-458="" fan="" for="" input="" low="" p0480="" procedure="" relay="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0483	Cooling fan function problem	<ref. cooling="" dtc="" en(h4)-462="" fan="" func-<br="" p0483="" to="" —="">TION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0500	Vehicle speed sensor malfunction	<ref. dtc="" en(h4)-466="" p0500="" sen-<br="" speed="" to="" vehicle="" —="">SOR MALFUNCTION —, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC) for AT Vehicles.></ref.>
P0506	Idle control system RPM lower than expected	<ref. (dtc)="" at="" code="" control="" diagnostic="" dtc="" en(h4)-468="" expected="" for="" idle="" lower="" p0506="" procedure="" rpm="" system="" than="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0507	Idle control system RPM higher than expected	<ref. (dtc)="" at="" code="" control="" diagnostic="" dtc="" en(h4)-470="" expected="" for="" higher="" idle="" p0507="" procedure="" rpm="" system="" than="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0512	Starter switch circuit high input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-472="" for="" high="" input="" p0512="" procedure="" starter="" switch="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0604	Internal control module memory check sum error	<ref. (dtc)="" at="" check="" code="" control="" diagnostic="" dtc="" en(h4)-474="" error="" for="" internal="" memory="" module="" p0604="" procedure="" sum="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0703	Brake switch input malfunction	<ref. (dtc)="" at="" brake="" code="" diagnostic="" dtc="" en(h4)-476="" for="" input="" malfunction="" p0703="" procedure="" switch="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0705	Transmission range sensor circuit malfunction	<ref. dtc="" en(h4)-478="" p0705="" to="" transmission<br="" —="">RANGE SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0710	Transmission fluid temperature sensor circuit malfunction	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-478="" fluid="" for="" malfunction="" p0710="" procedure="" sensor="" temperature="" to="" transmission="" trouble="" vehicles.="" with="" —="" —,=""></ref.>

DTC No.	Item	Index
P0715	Torque converter turbine speed sensor circuit malfunction	<ref. (dtc)="" at="" circuit="" code="" converter="" diagnostic="" dtc="" en(h4)-478="" for="" malfunction="" p0715="" procedure="" sensor="" speed="" to="" torque="" trouble="" turbine="" vehicles.="" with="" —="" —,=""></ref.>
P0720	Output speed sensor (vehicle speed sensor 2) circuit malfunction	<ref. dtc="" en(h4)-479="" output="" p0720="" sen-<br="" speed="" to="" —="">SOR (VEHICLE SPEED SENSOR 2) CIRCUIT MALFUNC- TION -, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0725	Engine speed input circuit malfunction	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-479="" engine="" for="" input="" malfunction="" p0725="" procedure="" speed="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0731	Gear 1 incorrect ratio	<ref. (dtc)="" 1="" at="" code="" diagnostic="" dtc="" en(h4)-479="" for="" gear="" incorrect="" p0731="" procedure="" ratio="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0732	Gear 2 incorrect ratio	<ref. (dtc)="" 2="" at="" code="" diagnostic="" dtc="" en(h4)-479="" for="" gear="" incorrect="" p0732="" procedure="" ratio="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0733	Gear 3 incorrect ratio	<ref. (dtc)="" 3="" at="" code="" diagnostic="" dtc="" en(h4)-479="" for="" gear="" incorrect="" p0733="" procedure="" ratio="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0734	Gear 4 incorrect ratio	<ref. (dtc)="" 4="" at="" code="" diagnostic="" dtc="" en(h4)-480="" for="" gear="" incorrect="" p0734="" procedure="" ratio="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0741	Torque converter clutch system malfunction	<ref. (dtc)="" at="" clutch="" code="" converter="" diagnostic="" dtc="" en(h4)-482="" for="" malfunction="" p0741="" procedure="" system="" to="" torque="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0743	Torque converter clutch system (Lock-up duty solenoid) electrical	<ref. (dtc)="" (lock-up="" at="" clutch="" code="" converter="" diagnostic="" dtc="" duty="" electrical="" en(h4)-484="" for="" p0743="" procedure="" solenoid)="" system="" to="" torque="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0748	Pressure control solenoid (Line pressure duty solenoid) electrical	<ref. (dtc)="" (line="" at="" code="" control="" diagnostic="" dtc="" duty="" electrical="" en(h4)-484="" for="" p0748="" pressure="" procedure="" solenoid="" solenoid)="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0753	Shift solenoid A (Shift solenoid 1) electrical	<ref. a<br="" dtc="" en(h4)-484="" p0753="" shift="" solenoid="" to="" —="">(SHIFT SOLENOID 1) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P0758	Shift solenoid B (Shift solenoid 2) electrical	<ref. (dtc)="" (shift="" 2)="" at="" b="" code="" diagnostic="" dtc="" electrical="" en(h4)-485="" for="" p0758="" procedure="" shift="" solenoid="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P0778	2-4 brake pressure control solenoid valve circuit malfunction	<ref. (dtc)="" 2-4="" at="" brake="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-485="" for="" malfunction="" p0778="" pressure="" procedure="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P0785	2-4 brake timing control solenoid valve circuit malfunction	<ref. (dtc)="" 2-4="" at="" brake="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-485="" for="" malfunction="" p0785="" procedure="" solenoid="" timing="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P1110	Atmospheric pressure sensor low input	<ref. (dtc)="" at="" atmospheric="" circuit="" code="" diagnostic="" dtc="" en(h4)-486="" for="" input="" low="" p1110="" pressure="" procedure="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1111	Atmospheric pressure sensor high input	<ref. atmospheric="" dtc="" en(h4)-490="" p1111="" pres-<br="" to="" —="">SURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>

DTC No.	Item	Index
P1112	Atmospheric pressure sensor range/performance problem	<ref. (dtc)="" at="" atmospheric="" circuit="" code="" diagnostic="" dtc="" en(h4)-494="" for="" p1112="" performance="" pressure="" problem="" procedure="" range="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1137	Front oxygen (A/F) sensor circuit range/ perfomance problem	<ref. (a="" dtc="" en(h4)-496="" f)<br="" front="" oxygen="" p1137="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1142	Throttle position sensor circuit range/ performance problem (low input)	<ref. dtc="" en(h4)-500="" p1142="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1146	Pressure sensor circuit range/performance prob- lem (high input)	<ref. dtc="" en(h4)-502="" p1146="" pressure="" sensor<br="" to="" —="">CIRCUIT RANGE/PERFORMANCE PROBLEM (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1400	Fuel tank pressure control solenoid valve circuit low input	<ref. dtc="" en(h4)-506="" fuel="" p1400="" pres-<br="" tank="" to="" —="">SURE CONTROL SOLENOID VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1420	Fuel tank pressure control solenoid valve circuit high input	<ref. dtc="" en(h4)-510="" fuel="" p1420="" pres-<br="" tank="" to="" —="">SURE CONTROL SOLENOID VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1442	Fuel level sensor circuit range/performance prob- lem 2	<ref. (dtc)="" 2="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-512="" for="" fuel="" level="" p1442="" performance="" problem="" procedure="" range="" sensor="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1443	Evaporative emission control system vent control function problem	<ref. dtc="" emis-<br="" en(h4)-514="" evaporative="" p1443="" to="" —="">SION CONTROL SYSTEM VENT CONTROL FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1480	Cooling fan relay 1 circuit high input	<ref. (dtc)="" 1="" at="" circuit="" code="" cooling="" diagnostic="" dtc="" en(h4)-516="" fan="" for="" high="" input="" p1480="" procedure="" relay="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1507	Idle control system malfunction (fail-safe)	<ref. (dtc)="" (fail-safe)="" at="" code="" control="" diagnostic="" dtc="" en(h4)-520="" for="" idle="" malfunction="" p1507="" procedure="" system="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1510	Idle air control solenoid valve signal 1 circuit low input	<ref. (dtc)="" 1="" air="" at="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-522="" for="" idle="" input="" low="" p1510="" procedure="" signal="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P1511	Idle air control solenoid valve signal 1 circuit high input	<ref. (dtc)="" 1="" air="" at="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-522="" for="" high="" idle="" input="" p1511="" procedure="" signal="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P1512	Idle air control solenoid valve signal 2 circuit low input	<ref. (dtc)="" 2="" air="" at="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-522="" for="" idle="" input="" low="" p1512="" procedure="" signal="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P1513	Idle air control solenoid valve signal 2 circuit high input	<ref. (dtc)="" 2="" air="" at="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-522="" for="" high="" idle="" input="" p1513="" procedure="" signal="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>

DTC	Item	Index
No. P1514	Idle air control solenoid valve signal 3 circuit low input	<ref. air="" control<br="" dtc="" en(h4)-522="" idle="" p1514="" to="" —="">SOLENOID VALVE SIGNAL 3 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1515	Idle air control solenoid valve signal 3 circuit high input	<ref. air="" control<br="" dtc="" en(h4)-522="" idle="" p1515="" to="" —="">SOLENOID VALVE SIGNAL 3 CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1516	Idle air control solenoid valve signal 4 circuit low input	<ref. air="" control<br="" dtc="" en(h4)-524="" idle="" p1516="" to="" —="">SOLENOID VALVE SIGNAL 4 CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1517	Idle air control solenoid valve signal 4 circuit high input	<ref. (dtc)="" 4="" air="" at="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-528="" for="" high="" idle="" input="" p1517="" procedure="" signal="" solenoid="" to="" trouble="" valve="" vehicles.="" with="" —="" —,=""></ref.>
P1518	Starter switch circuit low input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-530="" for="" input="" low="" p1518="" procedure="" starter="" switch="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1540	Vehicle speed sensor malfunction 2	<ref. dtc="" en(h4)-532="" p1540="" sen-<br="" speed="" to="" vehicle="" —="">SOR MALFUNCTION 2 —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1560	Back-up voltage circuit malfunction	<ref. (dtc)="" at="" back-up="" circuit="" code="" diagnostic="" dtc="" en(h4)-534="" for="" malfunction="" p1560="" procedure="" to="" trouble="" vehicles.="" voltage="" with="" —="" —,=""></ref.>
P1590	Neutral position switch circuit high input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-536="" for="" high="" input="" neutral="" p1590="" position="" procedure="" switch="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1591	Neutral position switch circuit low input	<ref. (dtc)="" at="" circuit="" code="" diagnostic="" dtc="" en(h4)-540="" for="" input="" low="" neutral="" p1591="" position="" procedure="" switch="" to="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1594	Automatic transmission diagnosis input signal circuit malfunction	<ref. (dtc)="" at="" automatic="" circuit="" code="" diagnosis="" diagnostic="" dtc="" en(h4)-542="" for="" input="" malfunc-tion="" p1594="" procedure="" signal="" to="" trans-mission="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1595	Automatic transmission diagnosis input signal circuit low input	<ref. (dtc)="" at="" automatic="" circuit="" code="" diagnosis="" diagnostic="" dtc="" en(h4)-544="" for="" input="" low="" p1595="" procedure="" signal="" to="" trans-mission="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1596	Automatic transmission diagnosis input signal circuit high input	<ref. (dtc)="" at="" automatic="" circuit="" code="" diagnosis="" diagnostic="" dtc="" en(h4)-546="" for="" high="" input="" p1596="" procedure="" signal="" to="" trans-mission="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1698	Engine torque control cut signal circuit low input	<ref. (dtc)="" at="" circuit="" code="" control="" cut="" diagnostic="" dtc="" en(h4)-548="" engine="" for="" input="" low="" p1698="" procedure="" signal="" to="" torque="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1699	Engine torque control cut signal circuit high input	<ref. (dtc)="" at="" circuit="" code="" control="" cut="" diagnostic="" dtc="" en(h4)-550="" engine="" for="" high="" input="" p1699="" procedure="" signal="" to="" torque="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1700	Throttle position sensor circuit malfunction for automatic transmission	<ref. (dtc)="" at="" automatic="" circuit="" code="" diagnostic="" dtc="" en(h4)-552="" for="" malfunction="" p1700="" position="" procedure="" sensor="" throttle="" to="" transmission="" trouble="" vehicles.="" with="" —="" —,=""></ref.>

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P1701	Cruise control set signal circuit malfunction for automatic transmission	<ref. (dtc)="" at="" automatic="" circuit="" code="" control="" cruise="" diagnostic="" dtc="" en(h4)-554="" for="" malfunction="" p1701="" procedure="" set="" signal="" to="" transmission="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1703	Low clutch timing control solenoid valve circuit malfunction	<ref. clutch="" dtc="" en(h4)-556="" low="" p1703="" timing<br="" to="" —="">CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for AT Vehicles.></ref.>
P1711	Engine torque control signal 1 circuit malfunction	<ref. (dtc)="" 1="" at="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-558="" engine="" for="" malfunction="" p1711="" procedure="" signal="" to="" torque="" trouble="" vehicles.="" with="" —="" —,=""></ref.>
P1712	Engine torque control signal 2 circuit malfunction	<ref. (dtc)="" 2="" at="" circuit="" code="" control="" diagnostic="" dtc="" en(h4)-560="" engine="" for="" malfunction="" p1712="" procedure="" signal="" to="" torque="" trouble="" vehicles.="" with="" —="" —,=""></ref.>

MEMO: