17. List of Diagnostic Trouble Code (DTC) for MT Vehicles SOUTHER

A: LIST S008599A12

DTC	Item	Index
No. P0106	Intake manifold pressure sensor circuit range/ performance problem	<ref. dtc="" en(h4)-106="" intake="" manifold<br="" p0106="" to="" —="">PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0107	Intake manifold pressure sensor circuit low input	<ref. dtc="" en(h4)-108="" intake="" manifold<br="" p0107="" to="" —="">PRESSURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0108	Intake manifold pressure sensor circuit high input	<ref. dtc="" en(h4)-112="" intake="" manifold<br="" p0108="" to="" —="">PRESSURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0111	Intake air temperature sensor circuit range/ performance problem	<ref. air="" dtc="" en(h4)-116="" intake="" p0111="" tempera-<br="" to="" —="">TURE SENSOR CIRCUIT RANGE/PERFORMANCE PROB- LEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0112	Intake air temperature sensor circuit low input	<ref. air="" dtc="" en(h4)-116="" intake="" p0111="" tempera-<br="" to="" —="">TURE SENSOR CIRCUIT RANGE/PERFORMANCE PROB- LEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0113	Intake air temperature sensor circuit high input	<ref. air="" dtc="" en(h4)-120="" intake="" p0113="" tempera-<br="" to="" —="">TURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0116	Engine coolant temperature sensor circuit low input	<ref. coolant<br="" dtc="" en(h4)-124="" engine="" p0116="" to="" —="">TEMPERATURE SENSOR CIRCUIT LOW INPUT —, Diag- nostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0117	Engine coolant temperature sensor circuit high input	<ref. coolant<br="" dtc="" en(h4)-126="" engine="" p0117="" to="" —="">TEMPERATURE SENSOR CIRCUIT HIGH INPUT —, Diag- nostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0121	Throttle position sensor circuit range/ performance problem (high input)	<ref. dtc="" en(h4)-130="" p0121="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0122	Throttle position sensor circuit low input	<ref. dtc="" en(h4)-132="" p0122="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0123	Throttle position sensor circuit high input	<ref. dtc="" en(h4)-136="" p0123="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0125	Insufficient coolant temperature for closed loop fuel control	<ref. cool-<br="" dtc="" en(h4)-138="" insufficient="" p0125="" to="" —="">ANT TEMPERATURE FOR CLOSED LOOP FUEL CONTROL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0131	Front oxygen (A/F) sensor circuit range/ performance problem (low input)	<ref. (a="" dtc="" en(h4)-140="" f)<br="" front="" oxygen="" p0131="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0132	Front oxygen (A/F) sensor circuit range/ performance problem (high input)	<ref. (a="" dtc="" en(h4)-142="" f)<br="" front="" oxygen="" p0132="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (HIGH INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>

EN(H4)-99

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR MT VEHICLES

DTC	Item	Index
No.		
P0133	Front oxygen (A/F) sensor circuit slow response	<ref. (a="" dtc="" en(h4)-144="" f)<br="" front="" oxygen="" p0133="" to="" —="">SENSOR CIRCUIT SLOW RESPONSE —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0136	Rear oxygen sensor circuit malfunction	<ref. dtc="" en(h4)-146="" oxygen="" p0136="" rear="" sen-<br="" to="" —="">SOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0139	Rear oxygen sensor circuit slow response	<ref. dtc="" en(h4)-150="" oxygen="" p0139="" rear="" sen-<br="" to="" —="">SOR CIRCUIT SLOW RESPONSE —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0141	Rear oxygen sensor heater circuit low input	<ref. dtc="" en(h4)-152="" oxygen="" p0141="" rear="" sen-<br="" to="" —="">SOR HEATER CIRCUIT LOW INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0171	Fuel trim malfunction (A/F too lean)	<ref. dtc="" en(h4)-155="" fuel="" malfunc-<br="" p0171="" to="" trim="" —="">TION (A/F TOO LEAN) —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0172	Fuel trim malfunction (A/F too rich)	<ref. dtc="" en(h4)-156="" fuel="" malfunc-<br="" p0172="" to="" trim="" —="">TION (A/F TOO RICH) —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0181	Fuel temperature sensor A circuit range/ performance problem	<ref. dtc="" en(h4)-160="" fuel="" p0181="" temperature<br="" to="" —="">SENSOR A CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0182	Fuel temperature sensor A circuit low input	<ref. dtc="" en(h4)-162="" fuel="" p0182="" temperature<br="" to="" —="">SENSOR A CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0183	Fuel temperature sensor A circuit high input	<ref. dtc="" en(h4)-164="" fuel="" p0183="" temperature<br="" to="" —="">SENSOR A CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0301	Cylinder 1 misfire detected	<ref. 1="" cylinder="" dtc="" en(h4)-167="" misfire<br="" p0301="" to="" —="">DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0302	Cylinder 2 misfire detected	<ref. 2="" cylinder="" dtc="" en(h4)-167="" misfire<br="" p0302="" to="" —="">DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0303	Cylinder 3 misfire detected	<ref. 3="" cylinder="" dtc="" en(h4)-167="" misfire<br="" p0303="" to="" —="">DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0304	Cylinder 4 misfire detected	<ref. 4="" cylinder="" dtc="" en(h4)-168="" misfire<br="" p0304="" to="" —="">DETECTED —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0325	Knock sensor circuit malfunction	<ref. cir-<br="" dtc="" en(h4)-178="" knock="" p0325="" sensor="" to="" —="">CUIT MALFUNCTION —, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC) for MT Vehicles.></ref.>
P0335	Crankshaft position sensor circuit malfunction	<ref. crankshaft="" dtc="" en(h4)-182="" p0335="" posi-<br="" to="" —="">TION SENSOR CIRCUIT MALFUNCTION —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0336	Crankshaft position sensor circuit range/ performance problem	<ref. crankshaft="" dtc="" en(h4)-184="" p0336="" posi-<br="" to="" —="">TION SENSOR CIRCUIT RANGE/PERFORMANCE PROB- LEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0340	Camshaft position sensor circuit malfunction	<ref. camshaft="" dtc="" en(h4)-186="" p0340="" position<br="" to="" —="">SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0341	Camshaft position sensor circuit range/ performance problem	<ref. camshaft="" dtc="" en(h4)-188="" p0341="" position<br="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR MT VEHICLES Engine (DIAGNOSTICS)

DTC No.	Item	Index
P0420	Catalyst system efficiency below threshold	<ref. catalyst="" dtc="" en(h4)-192="" p0420="" system<br="" to="" —="">EFFICIENCY BELOW THRESHOLD —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0440	Evaporative emission control system malfunction	<ref. dtc="" emis-<br="" en(h4)-194="" evaporative="" p0440="" to="" —="">SION CONTROL SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0443	Evaporative emission control system purge con- trol valve circuit low input	<ref. dtc="" emis-<br="" en(h4)-198="" evaporative="" p0443="" to="" —="">SION CONTROL SYSTEM PURGE CONTROL VALVE CIR- CUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0446	Evaporative emission control system vent control low input	<ref. dtc="" emis-<br="" en(h4)-202="" evaporative="" p0446="" to="" —="">SION CONTROL SYSTEM VENT CONTROL LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0451	Evaporative emission control system pressure sensor range/performance problem	<ref. dtc="" emis-<br="" en(h4)-206="" evaporative="" p0451="" to="" —="">SION CONTROL SYSTEM PRESSURE SENSOR RANGE/ PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0452	Evaporative emission control system pressure sensor low input	<ref. dtc="" emis-<br="" en(h4)-208="" evaporative="" p0452="" to="" —="">SION CONTROL SYSTEM PRESSURE SENSOR LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0453	Evaporative emission control system pressure sensor high input	<pre><ref. dtc="" emis-<br="" en(h4)-212="" evaporative="" p0453="" to="" —="">SION CONTROL SYSTEM PRESSURE SENSOR HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.></pre>
P0461	Fuel level sensor circuit range/performance prob- lem	<ref. dtc="" en(h4)-216="" fuel="" level="" p0461="" sensor<br="" to="" —="">CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0462	Fuel level sensor circuit low input	<ref. dtc="" en(h4)-218="" fuel="" level="" p0462="" sensor<br="" to="" —="">CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC) for MT Vehicles.></ref.>
P0463	Fuel level sensor circuit high input	<ref. dtc="" en(h4)-222="" fuel="" level="" p0463="" sensor<br="" to="" —="">CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0480	Cooling fan relay 1 circuit low input	<ref. 1<br="" cooling="" dtc="" en(h4)-226="" fan="" p0480="" relay="" to="" —="">CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC) for MT Vehicles.></ref.>
P0483	Cooling fan function problem	<ref. cooling="" dtc="" en(h4)-230="" fan="" func-<br="" p0483="" to="" —="">TION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0500	Vehicle speed sensor malfunction	<ref. dtc="" en(h4)-234="" p0500="" sen-<br="" speed="" to="" vehicle="" —="">SOR MALFUNCTION —, Diagnostic Procedure with Diagnos- tic Trouble Code (DTC) for MT Vehicles.></ref.>
P0505	Idle control system circuit low input	<ref. control="" dtc="" en(h4)-236="" idle="" p0505="" sys-<br="" to="" —="">TEM LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0506	Idle control system RPM lower than expected	<ref. control="" dtc="" en(h4)-238="" idle="" p0506="" sys-<br="" to="" —="">TEM RPM LOWER THAN EXPECTED —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0507	Idle control system RPM higher than expected	<ref. control="" dtc="" en(h4)-240="" idle="" p0507="" sys-<br="" to="" —="">TEM RPM HIGHER THAN EXPECTED —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>

EN(H4)-101

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR MT VEHICLES

DTC	Item	Index
No.		
P0601	Internal control module memory check sum error	<ref. control<br="" dtc="" en(h4)-242="" internal="" p0601="" to="" —="">MODULE MEMORY CHECK SUM ERROR —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0703	Brake switch input malfunction	<ref. brake="" dtc="" en(h4)-244="" input<br="" p0703="" switch="" to="" —="">MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0705	Transmission range sensor circuit malfunction	<ref. dtc="" en(h4)-244="" p0705="" range<br="" to="" transmission="" —="">SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0710	Transmission fluid temperature sensor circuit malfunction	<ref. dtc="" en(h4)-244="" fluid<br="" p0710="" to="" transmission="" —="">TEMPERATURE SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0715	Torque converter turbine speed sensor circuit malfunction	<ref. converter<br="" dtc="" en(h4)-244="" p0715="" to="" torque="" —="">TURBINE SPEED SENSOR CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0720	Output speed sensor (vehicle speed sensor 2) circuit malfunction	<ref. dtc="" en(h4)-244="" output="" p0720="" sen-<br="" speed="" to="" —="">SOR (VEHICLE SPEED SENSOR 2) CIRCUIT MALFUNC- TION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0725	Engine speed input circuit malfunction	<ref. dtc="" en(h4)-244="" engine="" input<br="" p0725="" speed="" to="" —="">CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0731	Gear 1 incorrect ratio	<ref. 1="" dtc="" en(h4)-244="" gear="" incorrect<br="" p0731="" to="" —="">RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0732	Gear 2 incorrect ratio	<ref. 2="" dtc="" en(h4)-244="" gear="" incorrect<br="" p0732="" to="" —="">RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0733	Gear 3 incorrect ratio	<ref. 3="" dtc="" en(h4)-244="" gear="" incorrect<br="" p0733="" to="" —="">RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0734	Gear 4 incorrect ratio	<ref. 4="" dtc="" en(h4)-244="" gear="" incorrect<br="" p0734="" to="" —="">RATIO —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0740	Torque converter clutch system malfunction	<ref. converter<br="" dtc="" en(h4)-244="" p0740="" to="" torque="" —="">CLUTCH SYSTEM MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0743	Torque converter clutch system (Lock-up duty solenoid) electrical	<ref. converter<br="" dtc="" en(h4)-244="" p0743="" to="" torque="" —="">CLUTCH SYSTEM (LOCK-UP DUTY SOLENOID) ELECTRI- CAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0748	Pressure control solenoid (Line pressure duty solenoid) electrical	<ref. control<br="" dtc="" en(h4)-245="" p0748="" pressure="" to="" —="">SOLENOID (LINE PRESSURE DUTY SOLENOID) ELECTRI- CAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0753	Shift solenoid A (shift solenoid 1) electrical	<ref. a<br="" dtc="" en(h4)-245="" p0753="" shift="" solenoid="" to="" —="">(SHIFT SOLENOID 1) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P0758	Shift solenoid B (shift solenoid 2) electrical	<ref. b<br="" dtc="" en(h4)-245="" p0758="" shift="" solenoid="" to="" —="">(SHIFT SOLENOID 2) ELECTRICAL —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1100	Starter switch circuit low input	<ref. cir-<br="" dtc="" en(h4)-246="" p1100="" starter="" switch="" to="" —="">CUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>

EN(H4)-102

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR MT VEHICLES Engine (DIAGNOSTICS)

DTC No.	Item	Index
P1101	Neutral position switch circuit low input	<ref. dtc="" en(h4)-250="" neutral="" p1101="" position<br="" to="" —="">SWITCH CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1103	Engine torque control signal 1 circuit malfunction	<ref. con-<br="" dtc="" en(h4)-252="" engine="" p1103="" to="" torque="" —="">TROL SIGNAL 1 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1106	Engine torque control signal 2 circuit malfunction	<ref. con-<br="" dtc="" en(h4)-252="" engine="" p1106="" to="" torque="" —="">TROL SIGNAL 2 CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1110	Atmospheric pressure sensor circuit low input	<ref. atmospheric="" dtc="" en(h4)-252="" p1110="" pres-<br="" to="" —="">SURE SENSOR CIRCUIT LOW INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1111	Atmospheric pressure sensor circuit high input	<ref. atmospheric="" dtc="" en(h4)-253="" p1111="" pres-<br="" to="" —="">SURE SENSOR CIRCUIT HIGH INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1112	Atmospheric pressure sensor circuit range/ performance problem	<ref. atmospheric="" dtc="" en(h4)-253="" p1112="" pres-<br="" to="" —="">SURE SENSOR CIRCUIT RANGE/PERFORMANCE PROB- LEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1115	Engine torque control cut signal circuit high input	<ref. con-<br="" dtc="" en(h4)-253="" engine="" p1115="" to="" torque="" —="">TROL CUT SIGNAL CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1116	Engine torque control cut signal circuit low input	<ref. con-<br="" dtc="" en(h4)-253="" engine="" p1116="" to="" torque="" —="">TROL CUT SIGNAL CIRCUIT LOW INPUT —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1120	Starter switch circuit high input	<ref. cir-<br="" dtc="" en(h4)-254="" p1120="" starter="" switch="" to="" —="">CUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1121	Neutral position switch circuit high input	<ref. dtc="" en(h4)-258="" neutral="" p1121="" position<br="" to="" —="">SWITCH CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1130	Front oxygen (A/F) sensor circuit malfunction (open circuit)	<ref. (a="" dtc="" en(h4)-260="" f)<br="" front="" oxygen="" p1130="" to="" —="">SENSOR CIRCUIT MALFUNCTION (OPEN CIRCUIT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1131	Front oxygen (A/F) sensor circuit malfunction (short circuit)	<ref. (a="" dtc="" en(h4)-262="" f)<br="" front="" oxygen="" p1131="" to="" —="">SENSOR CIRCUIT MALFUNCTION (SHORT CIRCUIT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1132	Front oxygen (A/F) sensor heater circuit low input	<ref. (a="" dtc="" en(h4)-264="" f)<br="" front="" oxygen="" p1132="" to="" —="">SENSOR HEATER CIRCUIT LOW INPUT —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1133	Front oxygen (A/F) sensor heater circuit high input	<ref. (a="" dtc="" en(h4)-268="" f)<br="" front="" oxygen="" p1133="" to="" —="">SENSOR HEATER CIRCUIT HIGH INPUT —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1134	Front oxygen (A/F) sensor micro-computer prob- lem	<ref. (a="" dtc="" en(h4)-270="" f)<br="" front="" oxygen="" p1134="" to="" —="">SENSOR MICRO-COMPUTER PROBLEM —, Diagnostic Pro- cedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1139	Front oxygen (A/F) sensor #1 heater circuit range/performance problem	<ref. (a="" dtc="" en(h4)-272="" f)<br="" front="" oxygen="" p1139="" to="" —="">SENSOR #1 HEATER CIRCUIT RANGE/PERFORMANCE PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR MT VEHICLES

DTC No.	Item	Index
P1142	Throttle position sensor circuit range/ performance problem (low input)	<ref. dtc="" en(h4)-274="" p1142="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT RANGE/PERFORMANCE PROBLEM (LOW INPUT) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1151	Rear oxygen sensor heater circuit high input	<ref. dtc="" en(h4)-276="" oxygen="" p1151="" rear="" sen-<br="" to="" —="">SOR HEATER CIRCUIT HIGH INPUT —, Diagnostic Proce- dure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1400	Fuel tank pressure control solenoid valve circuit low input	<ref. dtc="" en(h4)-278="" fuel="" p1400="" pressure<br="" tank="" to="" —="">CONTROL SOLENOID VALVE CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1420	Fuel tank pressure control solenoid valve circuit high input	<ref. dtc="" en(h4)-282="" fuel="" p1420="" pressure<br="" tank="" to="" —="">CONTROL SOLENOID VALVE CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1422	Evaporative emission control system purge con- trol valve circuit high input	<ref. dtc="" emis-<br="" en(h4)-284="" evaporative="" p1422="" to="" —="">SION CONTROL SYSTEM PURGE CONTROL VALVE CIR- CUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1423	Evaporative emission control system vent control high input	<ref. dtc="" emis-<br="" en(h4)-286="" evaporative="" p1423="" to="" —="">SION CONTROL SYSTEM VENT CONTROL HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1443	Evaporative emission control system vent control function problem	<ref. dtc="" emis-<br="" en(h4)-288="" evaporative="" p1443="" to="" —="">SION CONTROL SYSTEM VENT CONTROL FUNCTION PROBLEM —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1505	Idle control system circuit high input	<ref. control="" dtc="" en(h4)-290="" idle="" p1505="" sys-<br="" to="" —="">TEM CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1507	Idle control system malfunction (fail-safe)	<ref. control="" dtc="" en(h4)-292="" idle="" p1507="" sys-<br="" to="" —="">TEM MALFUNCTION (FAIL-SAFE) —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1520	Cooling fan relay 1 circuit high input	<ref. 1<br="" cooling="" dtc="" en(h4)-294="" fan="" p1520="" relay="" to="" —="">CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1560	Back-up voltage circuit malfunction	<ref. back-up="" dtc="" en(h4)-298="" p1560="" to="" voltage<br="" —="">CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diag- nostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1700	Throttle position sensor circuit malfunction for automatic transmission	<ref. dtc="" en(h4)-300="" p1700="" position<br="" throttle="" to="" —="">SENSOR CIRCUIT MALFUNCTION FOR AUTOMATIC TRANSMISSION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1701	Cruise control set signal circuit malfunction for automatic transmission	<ref. control="" cruise="" dtc="" en(h4)-300="" p1701="" set<br="" to="" —="">SIGNAL CIRCUIT MALFUNCTION FOR AUTOMATIC TRANSMISSION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1702	Automatic transmission diagnosis input signal circuit low input	<ref. automatic="" dtc="" en(h4)-300="" p1702="" to="" transmis-<br="" —="">SION DIAGNOSIS INPUT SIGNAL CIRCUIT LOW INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1703	Low clutch timing control solenoid valve circuit malfunction	<ref. clutch="" dtc="" en(h4)-300="" low="" p1703="" timing<br="" to="" —="">CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>

LIST OF DIAGNOSTIC TROUBLE CODE (DTC) FOR MT VEHICLES Engine (DIAGNOSTICS)

DTC No.	ltem	Index
P1704	2-4 brake timing control solenoid valve circuit malfunction	<ref. 2-4="" brake="" dtc="" en(h4)-300="" p1704="" timing<br="" to="" —="">CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1705	2-4 brake pressure control solenoid valve circuit malfunction	<ref. 2-4="" brake="" dtc="" en(h4)-300="" p1705="" pressure<br="" to="" —="">CONTROL SOLENOID VALVE CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1722	Automatic transmission diagnosis input signal circuit high input	<ref. automatic="" dtc="" en(h4)-300="" p1722="" to="" transmis-<br="" —="">SION DIAGNOSIS INPUT SIGNAL CIRCUIT HIGH INPUT —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>
P1742	Automatic transmission diagnosis input signal circuit malfunction	<ref. automatic="" dtc="" en(h4)-300="" p1742="" to="" transmis-<br="" —="">SION DIAGNOSIS INPUT SIGNAL CIRCUIT MALFUNCTION —, Diagnostic Procedure with Diagnostic Trouble Code (DTC) for MT Vehicles.></ref.>