

## List of Diagnostic Trouble Code (DTC)

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

### 12. List of Diagnostic Trouble Code (DTC)

#### A: LIST

| DTC   | Item                                  | Content of diagnosis  | Reference  |
|-------|---------------------------------------|---|--|
| P0705 | AT RANGE SWITCH CIRCUIT               | Inhibitor switch malfunction short circuit  | <Ref. to 4AT(diag)-32, DTC P0705 TRANSMISSION RANGE SENSOR CIRCUIT (PRNDL INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0712 | ATF TEMPERATURE SENSOR CIRCUIT (LOW)  | ATF temperature sensor is faulty or input signal circuit is open.                       | <Ref. to 4AT(diag)-39, DTC P0712 TRANSMISSION FLUID TEMPERATURE SENSOR CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P0713 | ATF TEMPERATURE SENSOR CIRCUIT (HIGH) | ATF temperature sensor is faulty or input signal circuit is shorted.                    | <Ref. to 4AT(diag)-41, DTC P0713 TRANSMISSION FLUID TEMPERATURE SENSOR CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0715 | AT Turbine Revolution Speed           | Torque converter turbine speed sensor malfunction, open or shorted input signal circuit | <Ref. to 4AT(diag)-43, DTC P0715 INPUT/TURBINE SPEED SENSOR CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                       |
| P0719 | AT BRAKE SWITCH CIRCUIT (LOW)         | Brake switch malfunction, open input signal circuit                                     | <Ref. to 4AT(diag)-45, DTC P0719 BRAKE SWITCH CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                 |
| P0720 | AT VEHICLE SPEED SENSOR CIRCUIT       | Front vehicle speed sensor malfunction, open or shorted input signal circuit            | <Ref. to 4AT(diag)-48, DTC P0720 OUTPUT SPEED SENSOR CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                              |
| P0724 | AT BRAKE SWITCH CIRCUIT (HIGH)        | Brake switch malfunction, shorted input signal circuit                                  | <Ref. to 4AT(diag)-50, DTC P0724 BRAKE SWITCH CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                |
| P0731 | AT 1st gear                           | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(diag)-52, DTC P0731 GEAR 1 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0732 | AT 2nd gear                           | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(diag)-52, DTC P0732 GEAR 2 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0733 | AT 3rd gear                           | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(diag)-52, DTC P0733 GEAR 3 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0734 | AT 4th gear                           | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(diag)-52, DTC P0734 GEAR 4 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0736 | AT reverse gear ratio                 | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(diag)-52, DTC P0736 REVERSE INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                  |
| P0741 | AT lock up function                   | Lock-up clutch is faulty or valve is stuck.   | <Ref. to 4AT(diag)-53, DTC P0741 TORQUE CONVERTER CLUTCH CIRCUIT PERFORMANCE OR STUCK OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0743 | AT LOCK-UP SOLENOID CIRCUIT           | Lock-up solenoid is faulty or output signal circuit is open or shorted.                 | <Ref. to 4AT(diag)-54, DTC P0743 TORQUE CONVERTER CLUTCH CIRCUIT ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>               |
| P0748 | AT LINE PRESSURE SOLENOID CIRCUIT     | Line pressure linear solenoid is faulty or output signal circuit is open or shorted.    | <Ref. to 4AT(diag)-57, DTC P0748 PRESSURE CONTROL SOLENOID "A" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                 |

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| P0753 | AT SHIFT SOLENOID 1 CIRCUIT (SHIFT SOLENOID A) | Low clutch duty solenoid is faulty or output signal circuit is open or shorted.           | <Ref. to 4AT(diag)-59, DTC P0753 SHIFT SOLENOID "A" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0758 | AT SHIFT SOLENOID 2 CIRCUIT (SHIFT SOLENOID B) | 2-4 brake duty solenoid is faulty or output signal circuit is open or shorted.            | <Ref. to 4AT(diag)-61, DTC P0758 SHIFT SOLENOID "B" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0763 | AT SHIFT SOLENOID 3 CIRCUIT (SHIFT SOLENOID C) | High clutch duty solenoid is faulty or output signal circuit is open or shorted.          | <Ref. to 4AT(diag)-63, DTC P0763 SHIFT SOLENOID "C" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0768 | AT SHIFT SOLENOID 4 CIRCUIT (SHIFT SOLENOID D) | Low & reverse clutch duty solenoid is faulty or output signal circuit is open or shorted. | <Ref. to 4AT(diag)-66, DTC P0768 SHIFT SOLENOID "D" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0801 | AT SHIFT LOCK SOLENOID CIRCUIT                 | Shift lock solenoid is faulty or output signal circuit is open or shorted.                | <Ref. to 4AT(diag)-69, DTC P0801 REVERSE INHIBIT CONTROL CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                          |
| P1706 | AT VEHICLE SPEED SENSOR CIRCUIT (REAR WHEEL)   | Rear vehicle speed sensor is faulty or input signal circuit is open or shorted.           | <Ref. to 4AT(diag)-71, DTC P1706 AT VEHICLE SPEED SENSOR CIRCUIT MALFUNCTION (REAR WHEEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1707 | AT AWD SOLENOID CIRCUIT                        | Transfer duty solenoid is faulty or output signal circuit is open or shorted.             | <Ref. to 4AT(diag)-73, DTC P1707 AT AWD SOLENOID VALVE CIRCUIT MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                |
| P1718 | CAN communication line                         | CAN communication circuit is open or shorted.   | <Ref. to 4AT(diag)-75, DTC P1718 CAN COMMUNICATION CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                |
| P1724 | AT EEPROM failure                              | TCM EEPROM malfunction  | <Ref. to 4AT(diag)-75, DTC P1724 AT EEPROM ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P1817 | SPORT MODE SWITCH CIRCUIT                      | SPORT shift switch is faulty or input signal circuit is open or shorted.                  | <Ref. to 4AT(diag)-76, DTC P1817 SPORT MODE SWITCH CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                |