

## List of Diagnostic Trouble Code (DTC)

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

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

#### A: LIST

| DTC   | Item   | Diagnosis content   | Reference   |
|-------|--|---|---|
| P0705 | Transmission Range Sensor Circuit (PRNDL Input)          | Inhibitor switch malfunction, open or short circuit                                     | <Ref. to 4AT(D)(diag)-31, DTC P0705 TRANSMISSION RANGE SENSOR CIRCUIT (PRNDL INPUT), Diagnostic Procedure with Diagnostic Trouble Code (DTC).>          |
| P0712 | Transmission Fluid Temperature Sensor Circuit Low Input  | ATF temperature sensor is faulty or input signal circuit is open.                       | <Ref. to 4AT(D)(diag)-39, DTC P0712 TRANSMISSION FLUID TEMPERATURE SENSOR CIRCUIT LOW INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>  |
| P0713 | Transmission Fluid Temperature Sensor Circuit High Input | ATF temperature sensor is faulty or input signal circuit is shorted.                    | <Ref. to 4AT(D)(diag)-42, DTC P0713 TRANSMISSION FLUID TEMPERATURE SENSOR CIRCUIT HIGH INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P0715 | Input/Turbine Speed Sensor Circuit                       | Torque converter turbine speed sensor malfunction, open or shorted input signal circuit | <Ref. to 4AT(D)(diag)-45, DTC P0715 INPUT/TURBINE SPEED SENSOR CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                       |
| P0719 | Torque Converter/Brake Switch "B" Circuit Low            | Brake switch malfunction, open input signal circuit                                     | <Ref. to 4AT(D)(diag)-47, DTC P0719 TORQUE CONVERTER/BRAKE SWITCH "B" CIRCUIT LOW, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>            |
| P0720 | Output Speed Sensor Circuit                              | Front vehicle speed sensor malfunction, open or shorted input signal circuit            | <Ref. to 4AT(D)(diag)-49, DTC P0720 OUTPUT SPEED SENSOR CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                              |
| P0724 | Torque Converter/Brake Switch "B" Circuit High           | Brake switch malfunction, shorted input signal circuit                                  | <Ref. to 4AT(D)(diag)-52, DTC P0724 TORQUE CONVERTER/BRAKE SWITCH "B" CIRCUIT HIGH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>           |
| P0725 | Engine Speed Input Circuit                               | Open or shorted engine speed output signal circuit                                      | <Ref. to 4AT(D)(diag)-54, DTC P0725 ENGINE SPEED INPUT CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                               |
| P0731 | Gear 1 Incorrect Ratio                                   | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(D)(diag)-56, DTC P0731 GEAR 1 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0732 | Gear 2 Incorrect Ratio                                   | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(D)(diag)-56, DTC P0732 GEAR 2 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0733 | Gear 3 Incorrect Ratio                                   | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(D)(diag)-56, DTC P0733 GEAR 3 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0734 | Gear 4 Incorrect Ratio                                   | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(D)(diag)-56, DTC P0734 GEAR 4 INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                   |
| P0736 | Reverse Incorrect Ratio                                  | Vehicle sensor, torque converter turbine speed sensor or control valve malfunction      | <Ref. to 4AT(D)(diag)-57, DTC P0736 REVERSE INCORRECT RATIO, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                  |
| P0741 | Torque Converter Clutch Circuit Performance or Stuck Off | Lock-up clutch is faulty or valve is stuck.   | <Ref. to 4AT(D)(diag)-58, DTC P0741 TORQUE CONVERTER CLUTCH CIRCUIT PERFORMANCE OR STUCK OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

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| P0743 | Torque Converter Clutch Circuit Electrical               | Lock-up solenoid is faulty or output signal circuit is open or shorted.                   | <Ref. to 4AT(D)(diag)-59, DTC P0743 TORQUE CONVERTER CLUTCH CIRCUIT ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>               |
| P0748 | Pressure Control Solenoid "A" Electrical                 | Line pressure linear solenoid is faulty or output signal circuit is open or shorted.      | <Ref. to 4AT(D)(diag)-62, DTC P0748 PRESSURE CONTROL SOLENOID "A" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                 |
| P0753 | Shift Solenoid "A" Electrical                            | Low clutch duty solenoid is faulty or output signal circuit is open or shorted.           | <Ref. to 4AT(D)(diag)-64, DTC P0753 SHIFT SOLENOID "A" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0758 | Shift Solenoid "B" Electrical                            | 2-4 brake duty solenoid is faulty or output signal circuit is open or shorted.            | <Ref. to 4AT(D)(diag)-67, DTC P0758 SHIFT SOLENOID "B" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0763 | Shift Solenoid "C" Electrical                            | High clutch duty solenoid is faulty or output signal circuit is open or shorted.          | <Ref. to 4AT(D)(diag)-70, DTC P0763 SHIFT SOLENOID "C" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0768 | Shift Solenoid "D" Electrical                            | Low & reverse clutch duty solenoid is faulty or output signal circuit is open or shorted. | <Ref. to 4AT(D)(diag)-73, DTC P0768 SHIFT SOLENOID "D" ELECTRICAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                            |
| P0801 | Reverse Inhibit Control Circuit                          | Shift lock solenoid is faulty or output signal circuit is open or shorted.                | <Ref. to 4AT(D)(diag)-76, DTC P0801 REVERSE INHIBIT CONTROL CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                          |
| P1706 | AT Vehicle Speed Sensor Circuit Malfunction (rear wheel) | Rear vehicle speed sensor is faulty or input signal circuit is open or shorted.           | <Ref. to 4AT(D)(diag)-78, DTC P1706 AT VEHICLE SPEED SENSOR CIRCUIT MALFUNCTION (REAR WHEEL), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| P1707 | AT AWD Solenoid Valve Circuit Malfunction                | Transfer duty solenoid is faulty or output signal circuit is open or shorted.             | <Ref. to 4AT(D)(diag)-81, DTC P1707 AT AWD SOLENOID VALVE MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                        |
| P1718 | CAN Communication Circuit                                | CAN communication circuit is open or shorted.   | <Ref. to 4AT(D)(diag)-84, DTC P1718 CAN COMMUNICATION CIRCUIT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>                                |