# 11.List of Diagnostic Trouble Code (DTC)

## A: LIST

| DTC | Item | Content of diagnosis | Reference |
|---|---|---|---|
| C1211 | FR Wheel Speed Sensor System Wire Break/ Excessive Input | Open/high input of front ABS wheel speed sensor RH | <Ref. to VDC(diag)-41, DTC C1211 FR WHEEL SPEED SENSOR SYSTEM WIRE BREAK/EXCESSIVE INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1212 | FR Wheel Speed Sensor System | Front ABS wheel speed sensor RH signal malfunction | <Ref. to VDC(diag)-44, DTC C1212 FR WHEEL SPEED SENSOR SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1221 | FL Wheel Speed Sensor System Wire Break/ Excessive Input | Open/high input of front ABS wheel speed sensor LH | <Ref. to VDC(diag)-41, DTC C1221 FL WHEEL SPEED SENSOR SYSTEM WIRE BREAK/ EXCESSIVE INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1222 | FL Wheel Speed Sensor System | Front ABS wheel speed sensor LH signal malfunction | <Ref. to VDC(diag)-44, DTC C1222 FL WHEEL SPEED SENSOR SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1231 | RR Wheel Speed Sensor System Wire Break/ Excessive Input | Open/high input of rear ABS wheel speed sensor RH | <Ref. to VDC(diag)-41, DTC C1231 RR WHEEL SPEED SENSOR SYSTEM WIRE BREAK/EXCESSIVE INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1232 | RR Wheel Speed Sensor System | Rear ABS wheel speed sensor RH signal malfunction | <Ref. to VDC(diag)-44, DTC C1232 RR WHEEL SPEED SENSOR SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1241 | RL Wheel Speed Sensor System Wire Break/ Excessive Input | Open/high input of rear ABS wheel speed sensor LH | <Ref. to VDC(diag)-42, DTC C1241 RL WHEEL SPEED SENSOR SYSTEM WIRE BREAK/EXCESSIVE INPUT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1242 | RL Wheel Speed Sensor System | Rear ABS wheel speed sensor LH signal malfunction | <Ref. to VDC(diag)-45, DTC C1242 RL WHEEL SPEED SENSOR SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1251 | Wheel Speed Sensor System | Wheel speed sensor malfunction | <Ref. to VDC(diag)-46, DTC C1251 WHEEL SPEED SENSOR SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1252 | Wheel Speed Sensor Signal of One of The Wheels | ABS wheel speed sensor signal malfunction in one of four wheels | <Ref. to VDC(diag)-47, DTC C1252 WHEEL SPEED SENSOR SIGNAL OF ONE OF THE WHEELS, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1311 | FR Inlet Solenoid Valve System | Front inlet solenoid valve RH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-48, DTC C1311 FR INLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1312 | FR Outlet Solenoid Valve System | Front outlet solenoid valve RH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-48, DTC C1312 FR OUTLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1321 | FL Inlet Solenoid Valve System | Front inlet solenoid valve LH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-48, DTC C1321 FL INLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1322 | FL Outlet Solenoid Valve System | Front outlet solenoid valve LH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-48, DTC C1322 FL OUTLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

| DTC | Item | Content of diagnosis | Reference |
|---|---|---|---|
| C1331 | RR Inlet Solenoid Valve System | Rear inlet solenoid valve RH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-49, DTC C1331 RR INLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1332 | RR Outlet Solenoid Valve System | Rear outlet solenoid valve RH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-49, DTC C1332 RR OUTLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1341 | RL Inlet Solenoid Valve System | Rear inlet solenoid valve LH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-49, DTC C1341 RL INLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1342 | RL Outlet Solenoid Valve System | Rear outlet solenoid valve LH malfunction in VDCCM&H/U | <Ref. to VDC(diag)-49, DTC C1342 RL OUTLET SOLENOID VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1351 | VDC Change-Over Valve 1 (P) | Primary cut valve malfunction in VDCCM&H/U | <Ref. to VDC(diag)-49, DTC C1351 VDC CHANGE-OVER VALVE 1 (P), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1352 | VDC Change-Over Valve 1 (S) | Secondary cut valve malfunction in VDCCM&H/U | <Ref. to VDC(diag)-49, DTC C1352 VDC CHANGE-OVER VALVE 1 (S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1361 | VDC Change-Over Valve 2 (P) | Primary suction valve malfunction in VDCCM&H/U | <Ref. to VDC(diag)-49, DTC C1361 VDC CHANGE-OVER VALVE 2 (P), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1362 | VDC Change-Over Valve 2 (S) | Secondary suction valve malfunction in VDCCM&H/U | <Ref. to VDC(diag)-50, DTC C1362 VDC CHANGE-OVER VALVE 2 (S), Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1411 | ECU | VDC control module malfunction | <Ref. to VDC(diag)-52, DTC C1411 ECU, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1412 | Parameter | VDC control module parameter failure | <Ref. to VDC(diag)-54, DTC C1412 PARAMETER, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1413 | Power Supply Volt Error | Power voltage malfunction | <Ref. to VDC(diag)-55, DTC C1413 POWER SUPPLY VOLT ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1421 | ECM Control System | Coordinate control prohibition of engine control module | <Ref. to VDC(diag)-57, DTC C1421 ECM CONTROL SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1422 | VDC Interruption for Engine Convenience | VDC interrupted due to some reasons of the engine | <Ref. to VDC(diag)-57, DTC C1422 VDC INTERRUPTION FOR ENGINE CONVENIENCE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1423 | Different ECU Specifications | Different VDC control module specification | <Ref. to VDC(diag)-58, DTC C1423 DIFFERENT ECU SPECIFICATIONS, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1424 | ECM Failure | Engine control module is faulty | <Ref. to VDC(diag)-59, DTC C1424 ECM FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1431 | AT Abnormal | Transmission control module is faulty | <Ref. to VDC(diag)-60, DTC C1431 AT ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1432 | Different ECU Specifications | Different VDC control module specification | <Ref. to VDC(diag)-60, DTC C1432 DIFFERENT ECU SPECIFICATIONS, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1511 | Valve Relay | Defective valve relay | <Ref. to VDC(diag)-61, DTC C1511 VALVE RELAY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

| DTC | Item | Content of diagnosis | Reference |
|---|---|---|---|
| C1512 | Valve System | Defective valve system | <Ref. to VDC(diag)-62, DTC C1512 VALVE SYSTEM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1521 | Motor Relay | Motor relay malfunction | <Ref. to VDC(diag)-63, DTC C1521 MOTOR RELAY, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1531 | BLS Off Fault | Stop light switch malfunction | <Ref. to VDC(diag)-66, DTC C1531 BLS OFF FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1532 | BLS On Fault | Stop light switch malfunction | <Ref. to VDC(diag)-68, DTC C1532 BLS ON FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1541 | Clutch Off Fault | Clutch signal malfunction | <Ref. to VDC(diag)-69, DTC C1541 CLUTCH OFF FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1542 | Clutch On Fault | Clutch signal malfunction | <Ref. to VDC(diag)-70, DTC C1542 CLUTCH ON FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1561 | Reverse Off Fault | Reverse signal malfunction | <Ref. to VDC(diag)-72, DTC C1561 REVERSE OFF FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1562 | Reverse On Fault | Reverse signal malfunction | <Ref. to VDC(diag)-73, DTC C1562 REVERSE ON FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1711 | Steering Angle Sensor Abnormal | Steering angle sensor malfunction | <Ref. to VDC(diag)-75, DTC C1711 STEERING ANGLE SENSOR ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1721 | Yaw Rate Sensor Abnormal | Defective yaw rate sensor | <Ref. to VDC(diag)-78, DTC C1721 YAW RATE SENSOR ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1731 | G Sensor Abnormal | Defective G sensor | <Ref. to VDC(diag)-79, DTC C1731 G SENSOR ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1732 | Lateral G Sensor Abnormal | Defective lateral G sensor | <Ref. to VDC(diag)-80, DTC C1732 LATERAL G SENSOR ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1733 | Longitudinal G Sensor Abnormal | Defective longitudinal G sensor | <Ref. to VDC(diag)-81, DTC C1733 LONGITUDINAL G SENSOR ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1741 | Pressure Sensor | Defective pressure sensor | <Ref. to VDC(diag)-82, DTC C1741 PRESSURE SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| C1811 | System Failure | System malfunction | <Ref. to VDC(diag)-83, DTC C1811 SYSTEM FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0073 | Control Module Communication Bus "A" Off | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0073 CONTROL MODULE COMMUNICATION BUS "A" OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0100 | Lost Communication With ECM/PCM "A" | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0100 LOST COMMUNICATION WITH ECM/PCM "A", Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

# List of Diagnostic Trouble Code (DTC)

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

| DTC | Item | Content of diagnosis | Reference |
|---|---|---|---|
| U0101 | Lost Communication With TCM | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0101 LOST COMMUNICATION WITH TCM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0126 | Lost Communication With Steering Angle Sensor Module | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0126 LOST COMMUNICATION WITH STEERING ANGLE SENSOR MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0140 | Lost Communication With Body Control Module | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0140 LOST COMMUNICATION WITH BODY CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0401 | Invalid Data Received From ECM/PCM "A" | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0401 INVALID DATA RECEIVED FROM ECM/PCM "A", Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0402 | Invalid Data Received From TCM | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0402 INVALID DATA RECEIVED FROM TCM, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0422 | Invalid Data Received From Body Control Module | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0422 INVALID DATA RECEIVED FROM BODY CONTROL MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| U0428 | Invalid Data Received From Steering Angle Sensor Module | Defective CAN communication | <Ref. to VDC(diag)-85, DTC U0428 INVALID DATA RECEIVED FROM STEERING ANGLE SENSOR MODULE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |