0542Q–07

DIAGNOSTIC TROUBLE CODE CHART

HINT:

- If a malfunction code is displayed during the DTC check, check the circuit indicated by the DTC. For details of each code, turn to the page for the respective "DTC No." in the DTC chart.
- When U0121/94, U0123/62, U0124/95 or U0126/63 are output, inspect and repair the trouble areas indicated by U0121/94, U0123/62, U0124/95 or U0126/63 first.

DTC chart of ABS:

DTC No. (See Page)	Detection Item	Trouble Area
C0200/31*1 (05–255)	Right front wheel speed sensor signal malfunction	• Right front and left front speed sensor • Each speed sensor circuit • Sensor rotor
C0205/32*1 (05–255)	Left front wheel speed sensor signal malfunction	• Right front and left front speed sensor • Each speed sensor circuit • Sensor rotor
C0210/33*1 (05–262)	Right rear wheel speed sensor signal malfunction	• Right rear and left rear speed sensor • Each speed sensor circuit • Sensor rotor
C0215/34*1 (05–262)	Left rear wheel speed sensor signal malfunction	• Right rear and left rear speed sensor • Each speed sensor circuit • Sensor rotor
C0226/21 (05–267)	Open or short circuit in brake actuator solenoid circuit (SFR circuit)	• ABS & TRAC actuator • SFRH or SFRR circuit
C0236/22 (05–267)	Open or short circuit in brake actuator solenoid circuit (SFL circuit)	• ABS & TRAC actuator • SFLH or SFLR circuit
C0246/23 (05–267)	Open or short circuit in brake actuator solenoid circuit (SRR circuit)	• ABS & TRAC actuator • SRRH or SRRR circuit
C0256/24 (05–267)	Open or short circuit in brake actuator solenoid circuit (SRL circuit)	• ABS & TRAC actuator • SRLH or SRLR circuit
C0273/13*1 (05–269)	Open circuit in ABS MTR relay circuit	• ABS No.2 fuse • ABS MTR relay • ABS MTR relay circuit • J/B No.2
C0274/14 (05–269)	Short circuit in ABS MTR relay circuit	• ABS No.2 fuse • ABS MTR relay • ABS MTR relay circuit • J/B No.2
C0278/11 (05–274)	Open circuit in ABS SOL relay circuit	• ABS No.1 fuse • ABS SOL relay • ABS SOL relay circuit • ABS & TRAC actuator
C0279/12 (05–274)	Short circuit in ABS SOL relay circuit	• ABS No.1 fuse • ABS SOL relay • ABS SOL relay circuit • ABS & TRAC actuator
C1225/25 (05–267)	Open or short circuit in brake actuator solenoid circuit (SM circuit)	• SMF or SMR circuit • ABS & TRAC actuator
C1235/35 (05–255)	Foreign matter is attached on the tip of the right front sensor	• Right front and left front speed sensor • Sensor rotor
C1236/36 (05–255)	Foreign matter is attached on the tip of the left front sensor	• Right front and left front speed sensor • Sensor rotor
C1238/38 (05–262)	Foreign matter is attached on the tip of the right rear sensor	• Right rear and left rear speed sensor • Sensor rotor

C1239/39 (05–262)	Foreign matter is attached on the tip of the left rear sensor	• Right rear and left rear speed sensor • Sensor rotor
C1241/41 (05–291)	Low battery positive voltage	• Battery • Charging system • Power source circuit
C1243/43*1 (05–288)	Malfunction in deceleration sensor (constant output)	• Yaw rate sensor (Deceleration sensor) • Yaw rate sensor circuit (Deceleration sensor circuit)
C1244/44 (05–288)	Malfunction in deceleration sensor	• Yaw rate sensor (Deceleration sensor) • Yaw rate sensor circuit (Deceleration sensor circuit)
C1245/45*1 (05–288)	Malfunction in deceleration sensor	• Yaw rate sensor (Deceleration sensor) • Yaw rate sensor circuit (Deceleration sensor circuit)
C1246/46*2 (05–294)	Malfunction in master cylinder pressure sensor	• Master cylinder pressure sensor • Master cylinder pressure sensor circuit
C1249/49 (05–296)	Open circuit in stop light switch circuit	• Stop lamp assy • Stop lamp switch circuit
C1251/51*1 (05–299)	ABS pump motor is locked Open circuit in pump motor circuit	• ABS & TRAC actuator
C1267/67 (05–301)	Open or short circuit of brake pedal load sensing switch circuit	• Brake pedal load sensing switch • Brake pedal load sensing switch circuit
C1361/91 (05–269)	Short circuit in ABS motor fail safe relay circuit	• ABS No.2 fuse • ABS MTR relay • ABS MTR relay circuit • J/B No.2
C1381/97 (05–288)	Malfunction in power supply voltage yaw/deceleration sensor	• Yaw rate sensor • Yaw rate sensor power source circuit
U0121/94 (05–1174)	Malfunction in CAN communication	• Wire harness • Skid control ECU
U0124/95 (05–1174)	Malfunction in CAN communication with deceleration sensor	• Wire harness • Yaw rate sensor (Deceleration sensor)

*1, *2:

Even after the trouble areas are repaired, the ABS warning light will not go off unless the following operations are performed.

- *1:
  (1) Drive the vehicle at 12 mph (20 km/h) for 30 seconds or more and check that the ABS warning light goes off.
  (2) Clear the DTC (see page 05–234).
- *2:
  (1) Keep the vehicle in a stationary condition for 5 seconds or more and depress the brake pedal lightly 2 or 3 times.
  (2) Drive the vehicle at a vehicle speed of 31 mph (50 km/h). Then depress the brake pedal strongly for about 3 seconds.
  (3) Repeat the above operation 3 times or more and check that the ABS warning light goes off.
  (4) Clear the DTC (see page 05–234).

HINT:

- In some cases, the hand–held tester cannot be used when ABS warning light remains on.

DTC chart of VSC:

DTC No. (See Page)	Detection Item	Trouble Area
C1201/51 (05–277)	Malfunction in ECM	Engine control system
C1203/53 (05–278)	Malfunction in ECM communication circuit	• TRC+ or TRC– circuit • ENG+ or ENG– circuit • ECM
C1210/36 (05–280)	Zero point calibration of yaw rate sensor undone	• Yaw rate sensor (Deceleration sensor) • P range switch circuit
C1223/43 (05–282)	Malfunction in ABS control system	ABS control system
C1224/44 (05–283)	Open or short circuit in NEO signal circuit	• NEO circuit • ECM • Skid control ECU
C1231/31 (05–286)	Malfunction in steering angle sensor	• Steering angle sensor • +B circuit
C1232/32 (05–288)	Malfunction in deceleration sensor	• Yaw rate sensor (Deceleration sensor)
C1234/34 (05–288)	Malfunction in yaw rate sensor	• Yaw rate sensor (Deceleration sensor)
C1336/39 (05–280)	Zero point calibration of deceleration sensor undone	• Yaw rate sensor (Deceleration sensor) • Zero point calibration not done
U0123/62 (05–1174)	Malfunction in CAN communication with yaw rate sensor	• Wire harness • Yaw rate sensor (Deceleration sensor)
U0126/63 (05–1174)	Malfunction in CAN communication with angle position sensor	• Wire harness • Steering angle sensor

HINT:

In some cases, the hand–held tester cannot be used when the VSC warning light remains on.

DTC of sensor check function:

Code No.	Diagnosis	Trouble Area
C1271/71	Low output voltage of right front speed sensor	• Right front speed sensor • Sensor installation • Sensor rotor
C1272/72	Low output voltage of left front speed sensor	• Left front speed sensor • Sensor installation • Sensor rotor
C1273/73	Low output voltage of right rear speed sensor	• Right rear speed sensor • Sensor installation • Sensor rotor
C1274/74	Low output voltage of left rear speed sensor	• Left rear speed sensor • Sensor installation • Sensor rotor
C1275/75	Abnormal change in output voltage of right front speed sensor	Right front sensor rotor
C1276/76	Abnormal change in output voltage of left front speed sensor	Left front speed sensor rotor
C1277/77	Abnormal change in output voltage of right rear speed sensor	Right rear sensor rotor
C1278/78	Abnormal change in output voltage of left rear speed sensor	Left rear speed sensor rotor
C1279/79	Deceleration sensor is faulty	• Yaw rate sensor (Deceleration sensor) • Sensor installation
C1281/81	Master cylinder pressure sensor output signal is faulty	Master cylinder pressure sensor
C0371/71	Yaw rate sensor output signal is faulty	Yaw rate sensor (Deceleration sensor)