DI6XL–01

DTC	C1243/43, C1245/45	Malfunction in Deceleration Sensor

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1243/43	While vehicle speed becomes 0 km/h (0 mph) from 30 km/h (18 mph), and the condition that GL1 and GL2 signals of ECU terminals did not change 40 mV or less continued in a sequence 16 times.	• Deceleration sensor • Wire harness for deceleration sensor system
C1245/45	At the vehicle speed of 30 km/h (18 mph) or more, and the condition that the difference between acceleration and deceleration values of computation from deceleration sensor and vehicle speed becomes more than 0.35 G continues for 60 sec. or more.	

Fail safe function:
If trouble occurs in the deceleration sensor circuit, the ECU cuts off current to the ABS solenoid relay and prohibits ABS & BA & TRC & VSC controls and the brake system becomes normal.

INSPECTION PROCEDURE

HINT:
Start the inspection from step1 in case of using the hand–held tester and start from step 2 in case of not using the hand–held tester.

1	Check output value of the deceleration sensor.

PREPARATION:

(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch ON and push the hand–held tester main switch ON.
(c) Select the DATALIST mode on the hand–held tester.

CHECK:

Check that the deceleration value of the deceleration sensor displayed on the hand–held tester is changing when tilting the vehicle.

OK:

Deceleration value must be changing.

OK → **Check and replace ABS & BA & TRC & VSC ECU.**

NG

2	Check deceleration sensor (See page DI–4).

NG → **Replace deceleration sensor.**

OK

3	Check for open or short circuit in harness and connector between deceleration sensor and ABS & BA & TRC & VSC ECU (See page IN–35).

NG → Repair or replace harness or connector.

OK

Check and replace ABS & BA & TRC & VSC ECU.