

DTC	C1243 / 43, C1245 / 45	Malfunction in Deceleration Sensor
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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 & TRAC & VSC controls and the brake system becomes normal.

INSPECTION PROCEDURE

HINT:

Start the inspection from step1 in case of using the LEXUS hand-held tester and start from step 2 in case of not using the LEXUS hand-held tester.

1	Check output value of the deceleration sensor.
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PREPARATION:

- Connect the LEXUS hand-held tester to the DLC3.
- Turn the ignition switch ON and push the LEXUS hand-held tester main switch ON.
- Select the DATALIST mode on the LEXUS hand-held tester.

CHECK:

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

OK:

Deceleration value must be changing.

OK

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

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2	Check deceleration sensor (See page DI-308).
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Replace deceleration sensor.

OK

3

Check for open or short circuit in harness and connector between deceleration sensor and ABS & BA & TRAC & VSC ECU (See page [IN-34](#)).

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Repair or replace harness or connector.

OK

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