DI1GL–07

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

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1243 / 43	While vehicle speed gets to 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 10 mV or more 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 a trouble has occurred in the deceleration sensor circuit, the ECU cuts off the current to the ABS solenoid relay and prohibits the ABS & BA & TRAC & VSC controls and the brake system becomes normal.

INSPECTION PROCEDURE

HINT:

Start the inspection from step 1 in case of using the LEXUS hand–held tester and start from step 2 in case of not using the LEXUS hand–held tester.

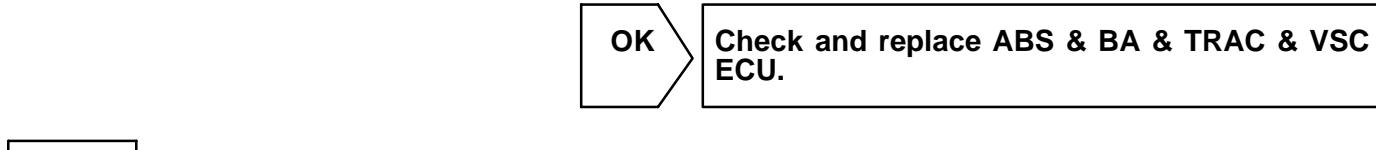| **1**	**Check output value of deceleration sensor.**

PREPARATION:

(a) Connect the LEXUS hand–held tester to the DLC3.

(b) Turn the ignition switch ON, and push the LEXUS hand–held tester main switch ON.

(c) Select the DATALIST mode on the LEXUS hand–held tester.

CHECK:

Check that the deceleration value of the deceleration sensor displayed by 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.**

NG

2	Check deceleration sensor (See page **DI–253**).

> NG > **Replace YAW rate sensor assembly (Include 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–31**).

> NG > **Repair or replace harness or connector.**

OK

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

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