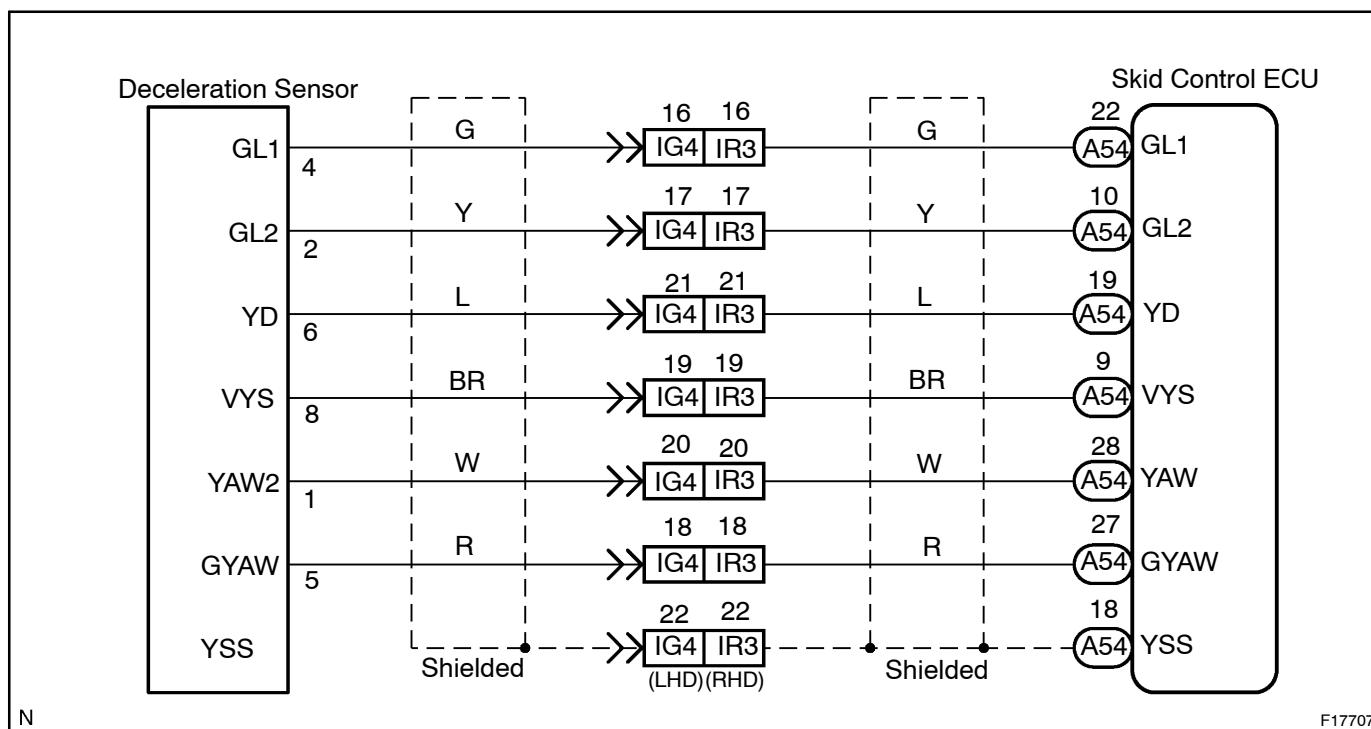


DTC	C1243 / 43, C1245 / 45	Malfunction in Deceleration Sensor
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CIRCUIT DESCRIPTION

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.	
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.	<ul style="list-style-type: none"> • Deceleration sensor • Wire harness for deceleration sensor system

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

Start the inspection from step 1 in case of using the hand-held tester and start from step 3 in case of not using the hand-held tester.

1 Check output value of the yaw rate (deceleration) sensor.

PREPARATION:

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

CHECK:

Check that the deceleration value of the deceleration sensor observed in the hand-held tester changes when the vehicle is tilted.

OK:

Deceleration value must be changing.

OK

Go to step 3.

NG

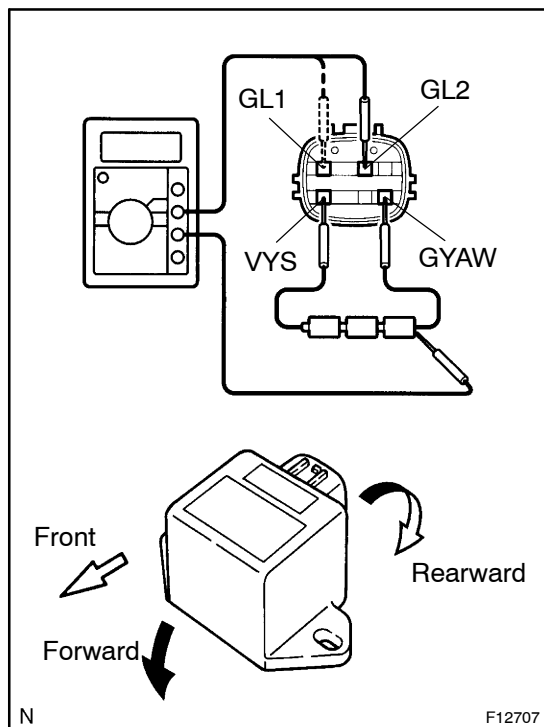
2 Check for open or short circuit in harness and connector between yaw rate (deceleration) sensor and skid control ECU (See page IN-38).

NG

Repair or replace harness or connector.

OK

Replace yaw rate sensor.

3 Check yaw rate (deceleration) sensor.**PREPARATION:**

- Connect 3 dry batteries of 1.5 V in series.
- Connect VYS terminal to the batteries' positive (+) terminal, and GYAW terminal to the batteries' negative (-) terminal. Apply about 4.5 V between VYS and GYAW terminals.

NOTICE:

Do not apply voltage of 6 V or more to terminals VYS and GYAW.

CHECK:

Check the output voltage of GL1 and GL2 terminals when the sensor is tilted forward and rearward.

OK:

Symbols	Condition	Standard Value
GL1	Horizontal	About 2.3 V
GL1	Lean rearward	1.0 V – about 2.3 V
GL1	Lean forward	About 2.3 V – 3.5 V
GL2	Horizontal	About 2.3 V
GL2	Lean rearward	About 2.3 V – 3.5 V
GL2	Lean forward	1.0 V – about 2.3 V

HINT:

- If the sensor is tilted too much it may show the wrong value.
- If dropped, the sensor should be replaced with a new one.
- The sensor removed from the vehicle should not be placed upside down.

NG**Replace yaw rate sensor.****OK**

4	Check for open or short circuit in harness and connector between yaw rate (deceleration) sensor and skid control ECU (See page IN-38).
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NG

Repair or replace harness or connector.

OK

Check and replace skid control ECU.