

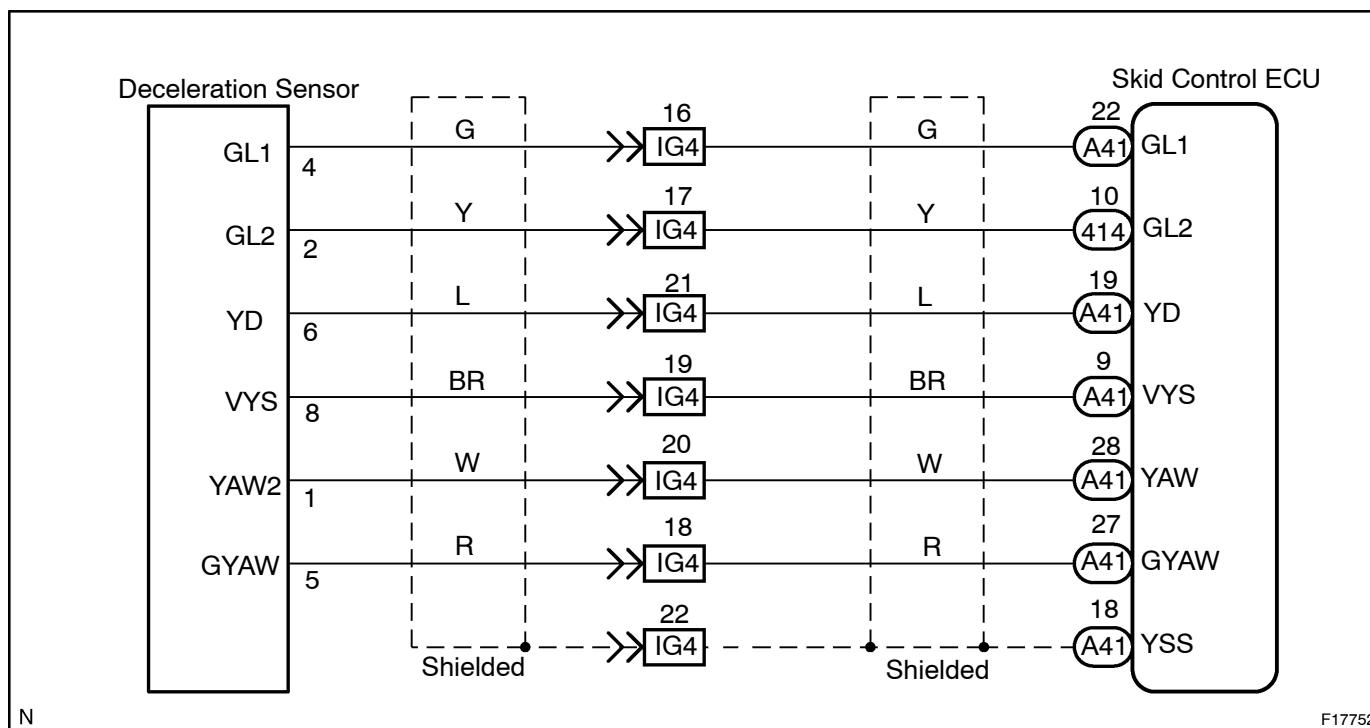
DTC	C1244 / 44	Deceleration Sensor Circuit
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CIRCUIT DESCRIPTION

This sensor detects deceleration on the vehicle. The sensor signal is used in ABS & BA & TRAC & VSC control. If the sensor functions abnormally, the ABS warning light comes on.

DTC No.	DTC Detecting Condition	Trouble Area
C1244 / 44	Either of the following 1., 2., 3. or 4. is detected: 1. The condition that ECU terminals GL1 and GL2 values are –1.5 G or less or 1.5 G or more continues for 1.2 sec. or more. 2. The condition that the deceleration sensor terminal VGS voltage is 4.4 V or less or 5.6 V or more continues for 1.2 sec. or more. 3. At the vehicle speed of 0 km/h (0 mph), after the difference of output value between deceleration sensor terminals GL1 and GL2 becomes 0.6 G or more, and the condition that does not become 0.4 G or less continues for 60 sec. or more. 4. Deceleration sensor signal momentary open occurs for 7 times or more.	• Deceleration sensor • Deceleration sensor circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

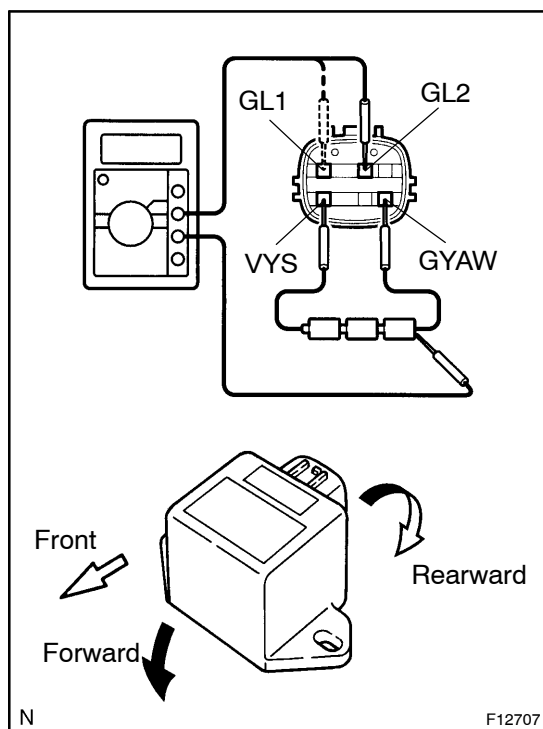
- 1 Check for open and short circuit in harness and connector between yaw rate (deceleration) sensor and skid control ECU (See page IN-36).

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Repair or replace harness or connector.

OK

- 2 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.

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Replace yaw rate sensor.

OK

Check and replace skid control ECU.