DI19A–03

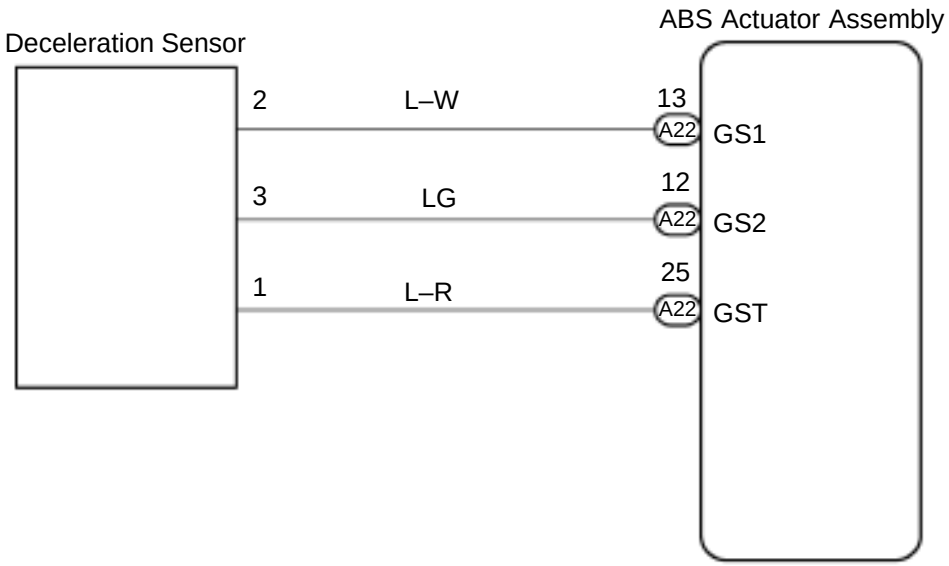
DTC	44	Deceleration Sensor Circuit

CIRCUIT DESCRIPTION

This sensor detects deceleration on the vehicle. The sensor signal is used in ABS control. If the sensor functions abnormally. The ECU cuts off current to the ABS control (solenoid) relay and prohibit ABS control.

DTC No.	DTC Detecting Condition	Trouble Area
44	Either of the following (1) or (2) is detected: (1) An open or short is detected in circuit GS1 or GS2 or GST. (2) Futher plausibility criterions related to wheel speeds and deceleration sensor behavior.	• Deceleration sensor • Open or short in deceleration sensor circuit • ECU

WIRING DIAGRAM



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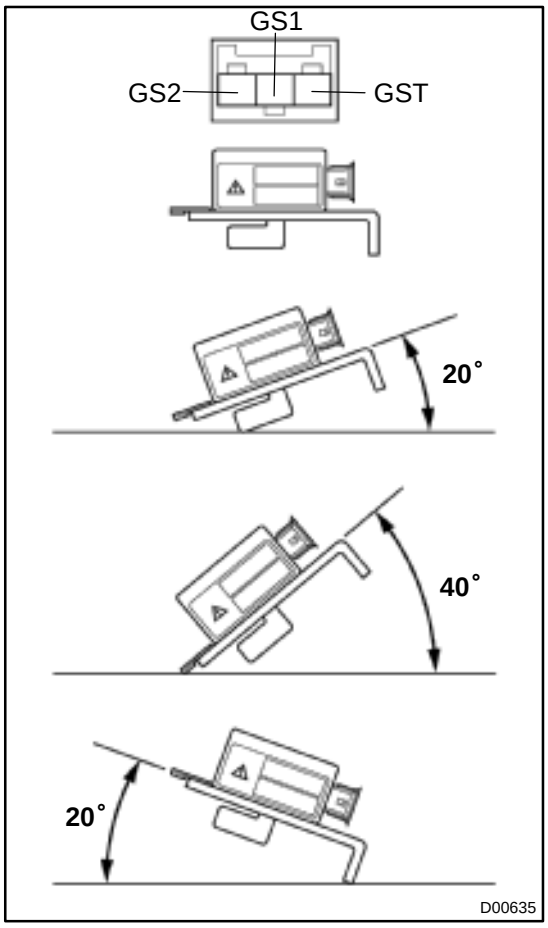
INSPECTION PROCEDURE

1	**Check for open and short in harness and connector between Deceleration sensor and ECU (See page IN–28).**

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

OK

2	Check the deceleration sensor.



PREPARATION:

Remove the deceleration sensor.

CHECK:

(a) Measure voltage between terminals GS1 and GST.

(b) Measure voltage between terminals GS2 and GST.

OK:

Sensor angle: 0°

Terminals	Resistance
GS1 – GST	Continuity
GS2 – GST	Continuity

Sensor angle: 20° on the right side

Terminals	Resistance
GS1 – GST	No continuity
GS2 – GST	Continuity

Sensor angle: 40° on the right side

Terminals	Resistance
GS1 – GST	No continuity
GS2 – GST	No continuity

Sensor angle: 20° on the left side

Terminals	Resistance
GS1 – GST	Continuity
GS2 – GST	No continuity

NG → **Replace the deceleration sensor.**

OK

Replace the ABS ECU.