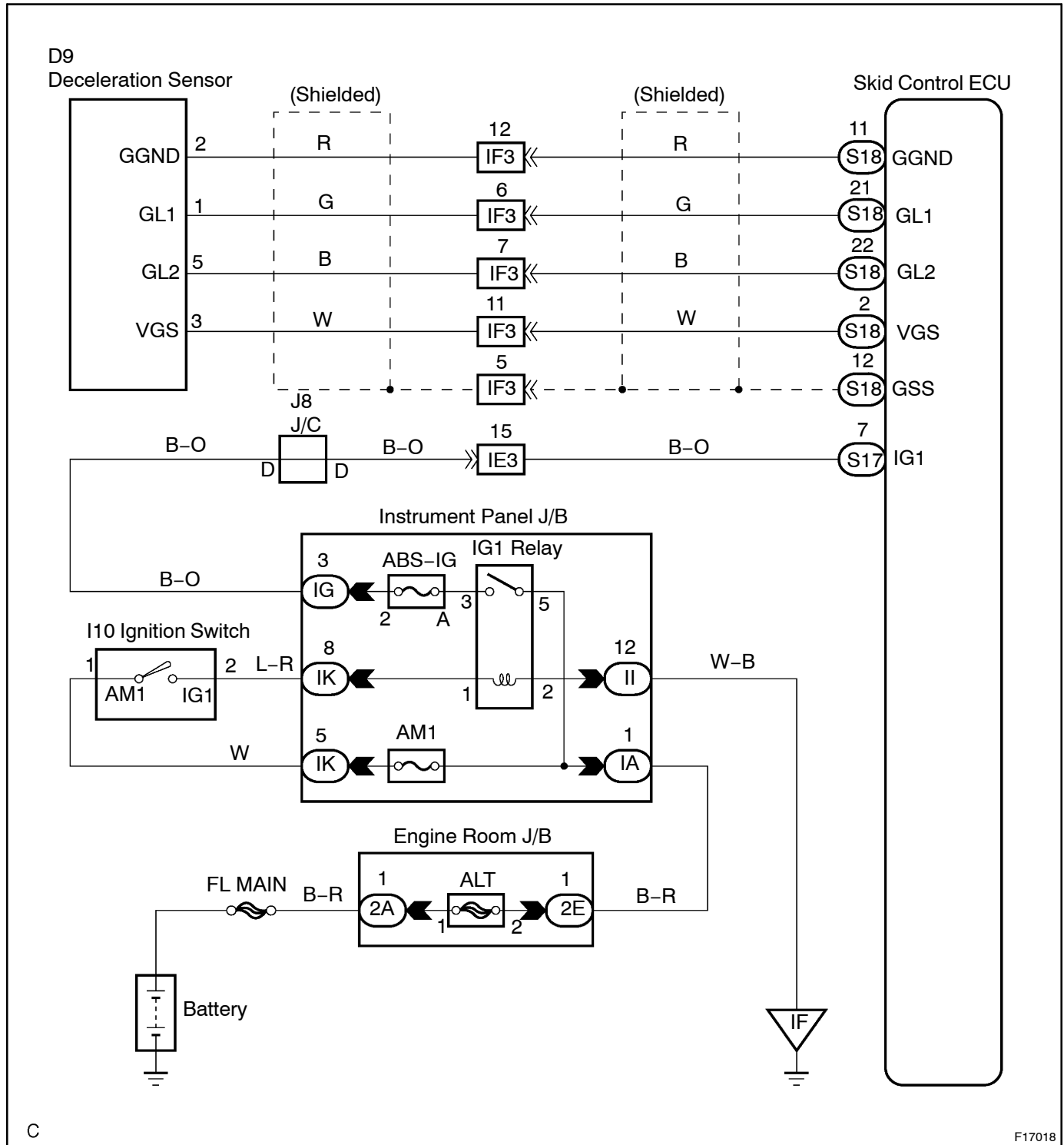


DTC	C1243 / 43, C1245 / 45	Malfunction in Deceleration Sensor
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1243 / 43	While vehicle speed becomes 0 km/h (0 mph) from 30 km/h (18 mph) or more, the condition that both GL1 and GL2 signals of ECU terminals do not change 10 mV or more occurs 16 times continuously.	• Deceleration sensor • Wire harness for deceleration sensor system
C1245 / 45	At the vehicle speed of 30 km/h (18 mph), the acceleration and deceleration values calculated from the deceleration sensor values and from vehicle speed are different, and the condition that the difference exceeds 0.35 G continues for 60 sec. or more.	

WIRING DIAGRAM

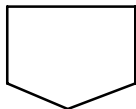


INSPECTION PROCEDURE

HINT:

After step 1 and 2, go to step 3 in case of using the hand-held tester, and go to step 5 in case of not using the hand-held tester.

1 Perform zero point calibration of the Deceleration sensor ([See page DI-53](#)).



2 Is DTC still output?

Check DTC on [page DI-53](#).

NO

No problem.

YES

3 Check output value of the deceleration sensor.

PREPARATION:

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and turn the hand-held tester main switch 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 is changing when the vehicle is tilted.

OK:

Deceleration value must be changing.

OK

Go to step 5.

NG

4 Check for open or short circuit in harness and connector between deceleration sensor and skid control ECU (See page IN-30).

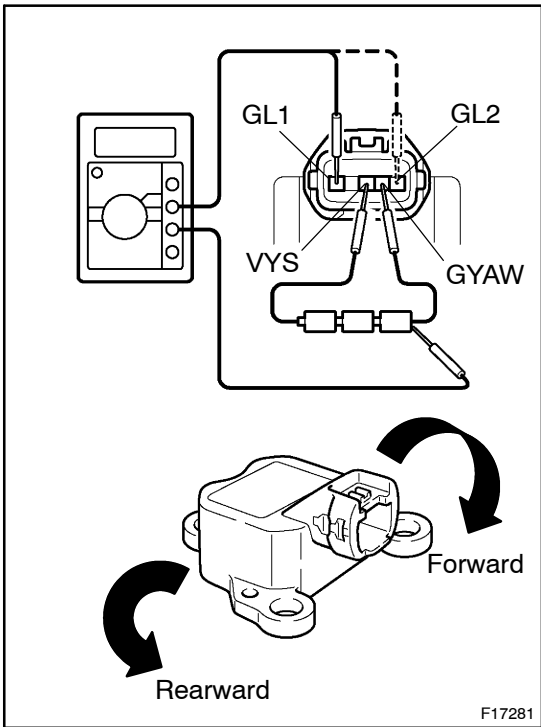
NG

Repair or replace harness or connector.

OK

Replace deceleration sensor.

5 Check deceleration sensor.



PREPARATION:

- (a) Remove the consol box.
- (b) Connect 3 dry batteries of 1.5 V in series.
- (c) Connect VGS terminal to the batteries' positive (+) terminal, and GGND terminal to the batteries' negative (-) terminal. Apply about 4.5 V between VGS and GGND 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	0.4 V – about 2.3 V
GL1	Lean forward	About 2.3 V – 4.1 V
GL2	Horizontal	About 2.3 V
GL2	Lean rearward	About 2.3 V – 4.1 V
GL2	Lean forward	0.4 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 deceleration sensor.

OK

6**Check for open or short circuit in harness and connector between deceleration sensor and skid control ECU ([See page IN-30](#)).****NG****Repair or replace harness or connector.****OK****Check and replace skid control ECU.**