| DTC	B1785	Front Occupant Classification Sensor LH Collision Detection

DESCRIPTION

DTC B1785 is output when the occupant classification ECU receives a collision detection signal sent by the front occupant classification sensor LH when an accident occurs.

DTC B1785 is also output when the front seat RH is subjected to a strong impact, even if an actual accident does not occur.

However, when the occupant classification ECU outputs a collision detection signal, even if the vehicle is not in a collision, DTC B1785 can be cleared by performing the zero point calibration and sensitivity check.

Therefore, when DTC B1785 is output, first perform the zero point calibration and sensitivity check.

DTC No.	DTC Detection Condition	Trouble Area
B1785	When one of following conditions is met: • Front seat RH malfunction • Occupant classification ECU malfunction • Front occupant classification sensor LH detects large load	• Occupant classification ECU • Front seat RH (Front occupant classification sensor LH)

WIRING DIAGRAM

Front Occupant Classification Sensor LH

Occupant Classification ECU

SVC1 — SVC1

SIG1 — SIG1

SGD1 — SGD1

C128670E09
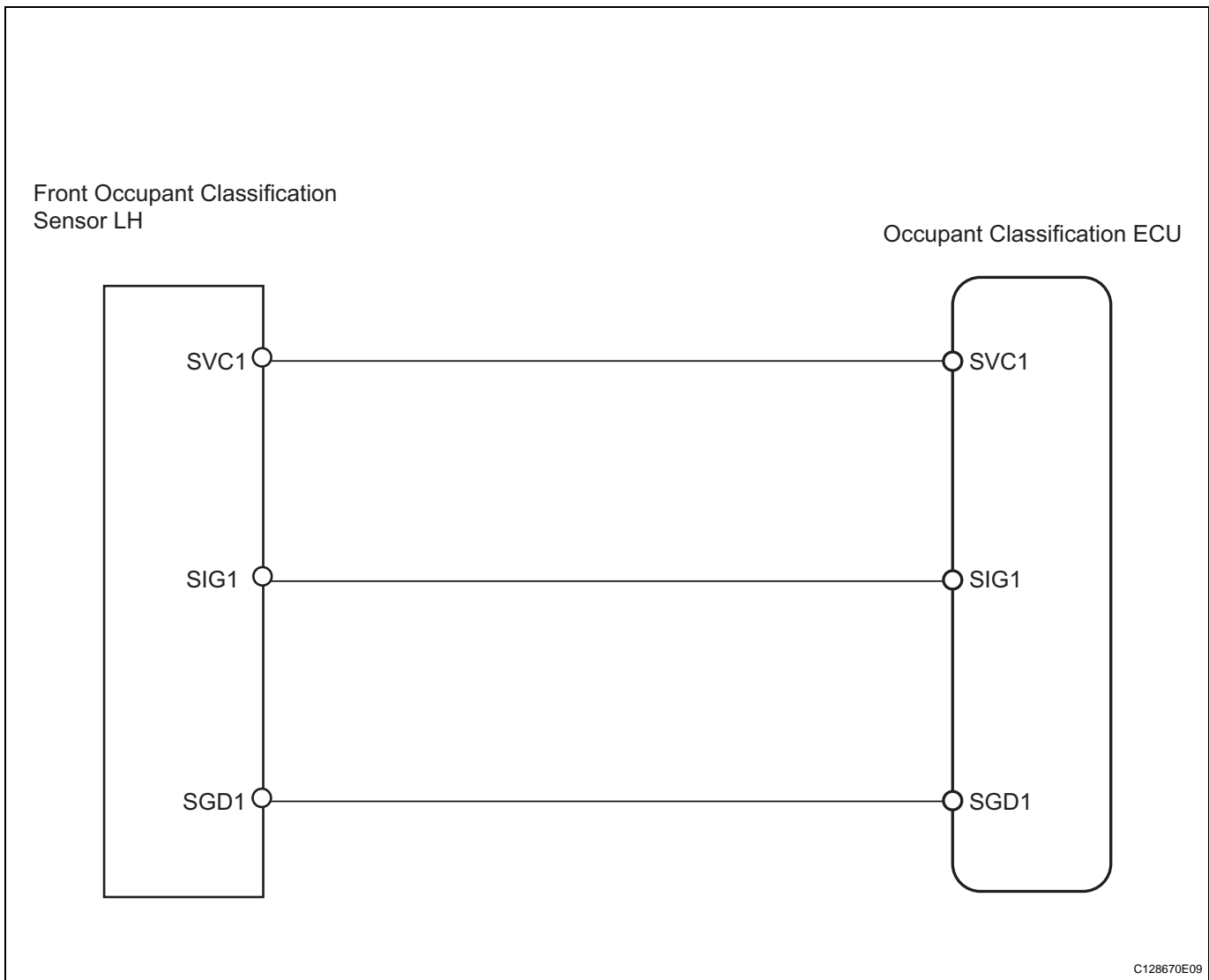
RS

INSPECTION PROCEDURE

1	PERFORM ZERO POINT CALIBRATION

    (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
    (b) Turn the ignition switch ON.
    (c) Using the intelligent tester, perform the zero point calibration (see page RS-241).
    OK:
      COMPLETED is displayed.

NG >	Go to step 4

OK

2	PERFORM SENSITIVITY CHECK

    (a) Using the intelligent tester, perform the sensitivity check (see page RS-241).
    Standard value:
      27 to 33 kg (59.52 to 72.75 lb)

NG >	Go to step 4

OK

3	CHECK FOR DTC

    (a) Turn the ignition switch ON.
    (b) Clear the DTCs (see page RS-249).
    HINT:
    First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor.
    (c) Turn the ignition switch OFF.
    (d) Turn the ignition switch ON.
    (e) Check the DTCs (see page RS-249).
    OK:
      DTC B1785 is not output.
    HINT:
    DTCs other than DTC B1785 may be output at this time, but they are not related to this check.

OK >	USE SIMULATION METHOD TO CHECK

NG

4	REPLACE FRONT SEAT ASSEMBLY RH

    (a) Turn the ignition switch OFF.
    (b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.

RS

(c) Replace the front seat RH (see page SE-8).
HINT:
Perform the inspection using parts from a normal vehicle if possible.

NEXT

5	PERFORM ZERO POINT CALIBRATION

(a) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
(b) Connect the intelligent tester (with CAN VIM) to the DLC3.
(c) Turn the ignition switch ON.
(d) Using the intelligent tester, perform the zero point calibration (see page RS-241).
OK:
   COMPLETED is displayed.

NG > **Go to step 8**

OK

6	PERFORM SENSITIVITY CHECK

(a) Using the intelligent tester, perform the sensitivity check (see page RS-241).
Standard value:
   27 to 33 kg (59.52 to 72.75 lb)

NG > **Go to step 8**

OK

RS

7	CHECK FOR DTC

(a) Turn the ignition switch ON.
(b) Clear the DTCs (see page RS-249).
HINT:
First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor.
(c) Turn the ignition switch OFF.
(d) Turn the ignition switch ON.
(e) Check the DTCs (see page RS-249).
OK:
   DTC B1785 is not output.
HINT:
DTCs other than DTC B1785 may be output at this time, but they are not related to this check.

OK > **USE SIMULATION METHOD TO CHECK**

NG

8	REPLACE OCCUPANT CLASSIFICATION ECU

(a) Turn the ignition switch OFF.
(b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
(c) Replace the occupant classification ECU (see page SE-8).

NEXT

9	PERFORM ZERO POINT CALIBRATION

(a) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
(b) Connect the intelligent tester to the DLC3.
(c) Turn the ignition switch ON.
(d) Using the intelligent tester, perform the zero point calibration (see page RS-241).
OK:
   COMPLETED is displayed.

NEXT

10	PERFORM SENSITIVITY CHECK

(a) Using the intelligent tester, perform the sensitivity check (see page RS-241).
Standard value:
   27 to 33 kg (59.52 to 72.75 lb)

RS **NEXT**

END