DTC	B1780	Front Occupant Classification Sensor LH Cir- cuit Malfunction
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DESCRIPTION

The occupant classification sensor front LH circuit consists of the occupant classification ECU and the occupant classification sensor front LH.

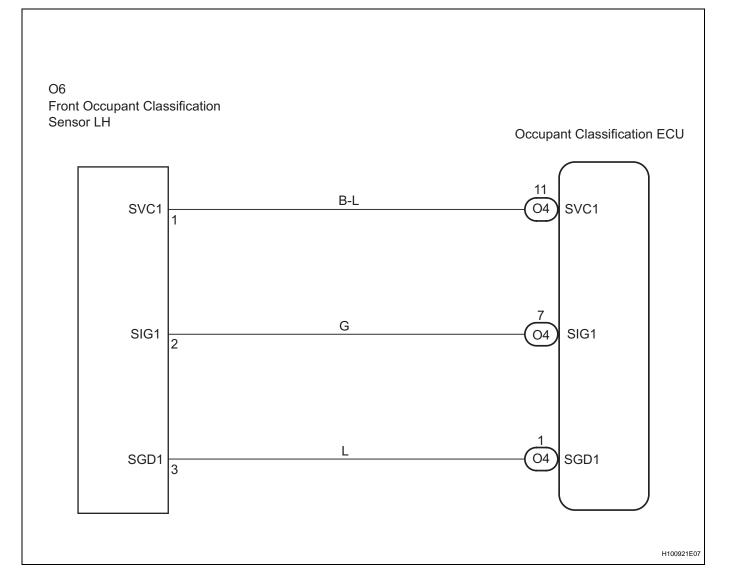
DTC B1780 is set when a malfunction is detected in the occupant classification sensor front LH circuit.

DTC No.	DTC Detecting Conditions	Trouble Areas
B1780	 The occupant classification ECU receives a line short circuit signal, an open circuit signal, a short circuit to ground signal or a short circuit to B+ signal in the occupant classification sensor front LH circuit for 2 seconds Occupant classification sensor front LH malfunction Occupant classification ECU malfunction 	 Front seat with adjuster frame assembly RH (Occupant classification sensor front LH) No. 1 seat wire Occupant classification ECU

HINT:

- When DTC B1650/32 is detected as a result of troubleshooting the supplemental restraint system, perform troubleshooting for DTC B1780 of the occupant classification system.
- Use the intelligent tester to check for DTCs of the occupant classification ECU, otherwise the DTC cannot be read.

WIRING DIAGRAM



HINT:

1

- If troubleshooting (wire harness inspection) is difficult to perform, remove the front RH seat assembly installation bolts to see the under surface of the seat cushion.
- In the above case, hold the seat so that it does not fall down. Holding the seat for a long period of time
 may cause problems, such as seat rail deformation. Hold the seat up only for as long as necessary.

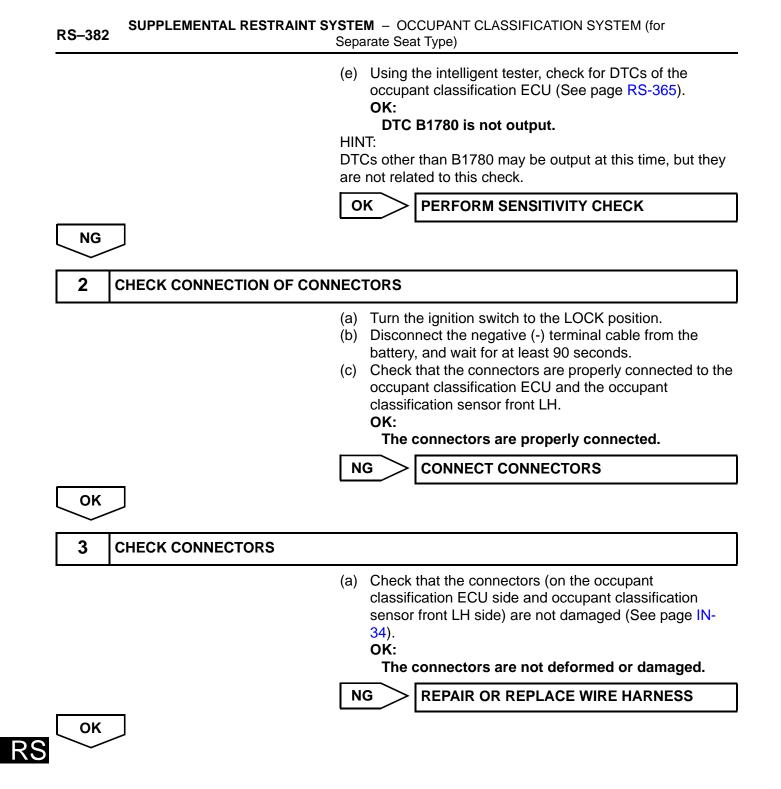
CHECK DTC

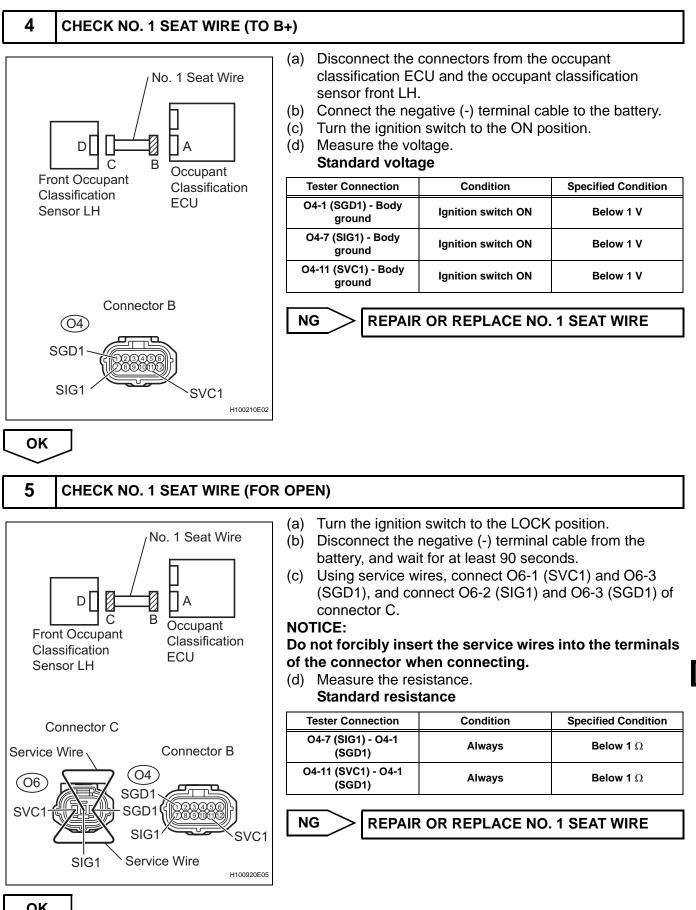
- (a) Turn the ignition switch to the ON position.
- (b) Clear any DTCs stored in the memory (See page RS-365).

HINT:

- First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor assembly.
- Use the intelligent tester to clear the DTCs of the occupant classification ECU, otherwise the DTCs cannot be cleared.
- (c) Turn the ignition switch to the LOCK position.
- (d) Turn the ignition switch to the ON position.

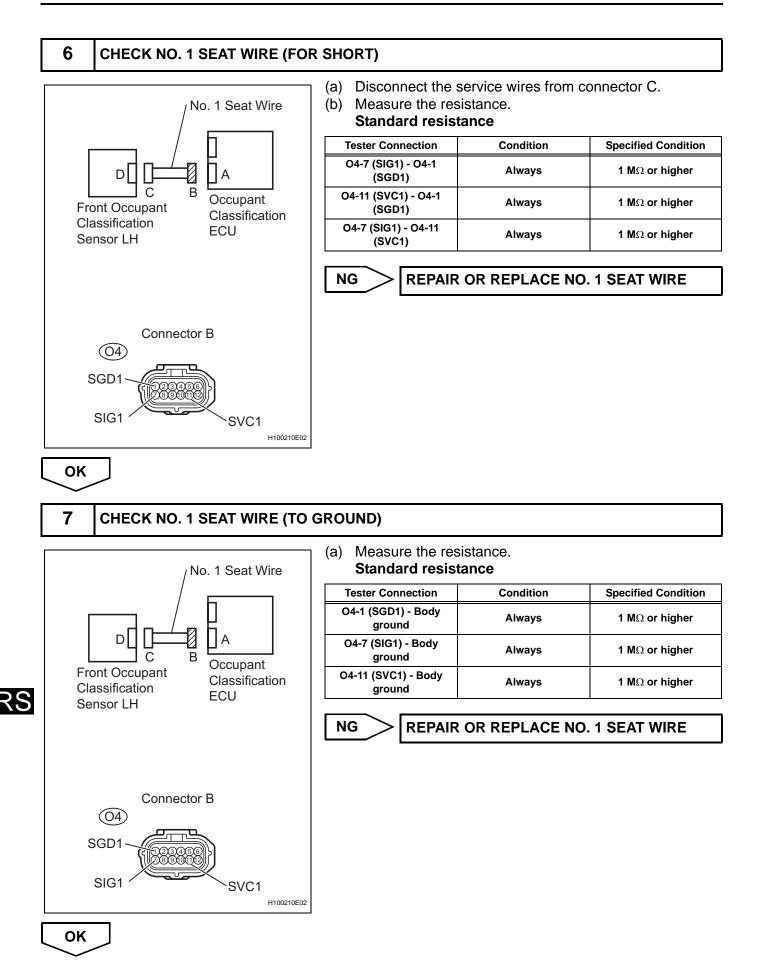
RS





OK

RS-384



8	CHECK DTC		
		 (a) Connect the connectors to the occupant classification ECU and the occupant classification sensor front LH. (b) Connect the negative (-) terminal cable to the battery. (c) Turn the ignition switch to the ON position. (d) Clear any DTCs stored in the memory (See page RS-365). HINT: First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor assembly. Use the intelligent tester to clear the DTCs of the occupant classification ECU, otherwise the DTCs cannot be cleared. (e) Turn the ignition switch to the LOCK position. (f) Turn the ignition switch to the ON position. (g) Using the intelligent tester, check for DTCs of the occupant classification ECU (See page RS-365). OK: DTC B1780 is not output. 	
		OK USE SIMULATION METHOD TO CHECK	
NG 9	/	CLASSIFICATION ECU	
		(a) Turn the ignition switch to the LOCK position.	

- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Replace the occupant classification ECU (See page RS-631).

HINT:

Perform the inspection using parts from a normal vehicle when possible.

NEXT

10 PERFORM ZERO POINT CALIBRATION

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.
- (d) Using the intelligent tester, perform the zero point calibration (See page RS-357).

OK:

COMPLETED is displayed on the tester.

NG

Go to step 13

	 (a) Using the intelligent tester, perform the sensitivity check (See page RS-357). Standard value: 27 to 33 kg (59.52 to 72.75 lb) 	
	NG Go to step 13	
ОК		
12 СНЕСК ДТС		
	 (a) Connect the negative (-) terminal cable to the battery. (b) Turn the ignition switch to the ON position. (c) Clear any DTCs stored in the memory (See page RS-365). HINT: First clear DTCs stored in the occupant classification ECL and then in the center airbag sensor assembly. Use the intelligent tester to clear the DTCs of the occupant classification ECU, otherwise the DTCs cannot be cleared (d) Turn the ignition switch to the LOCK position. (e) Turn the ignition switch to the ON position. (f) Using the intelligent tester, check for DTCs of the occupant classification ECU (See page RS-365). OK: DTC B1780 is not output. HINT: DTCs other than B1780 may be output at this time, but they are not related to this check. 	
	OK VISE SIMULATION METHOD TO CHECK	

- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Replace the front seat with adjuster frame assembly RH (See page SE-38).

NEXT

R

- **14 PERFORM ZERO POINT CALIBRATION**
 - (a) Connect the negative (-) terminal cable to the battery.
 - (b) Connect the intelligent tester to the DLC3.
 - (c) Turn the ignition switch to the ON position.

(d) Using the intelligent tester, perform the zero point calibration (See page RS-357).
 OK:

COMPLETED is displayed on the tester.

NEXT

15 PERFORM SENSITIVITY CHECK

 (a) Using the intelligent tester, perform the sensitivity check (See page RS-357).
 Standard value: 27 to 33 kg (59.52 to 72.75 lb)

NEXT

USE SIMULATION METHOD TO CHECK