DTC	B1783	Rear Occupant Classification Sensor RH Cir- cuit Malfunction
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DESCRIPTION

The rear occupant classification sensor RH circuit consists of the occupant classification ECU and the rear occupant classification sensor RH.

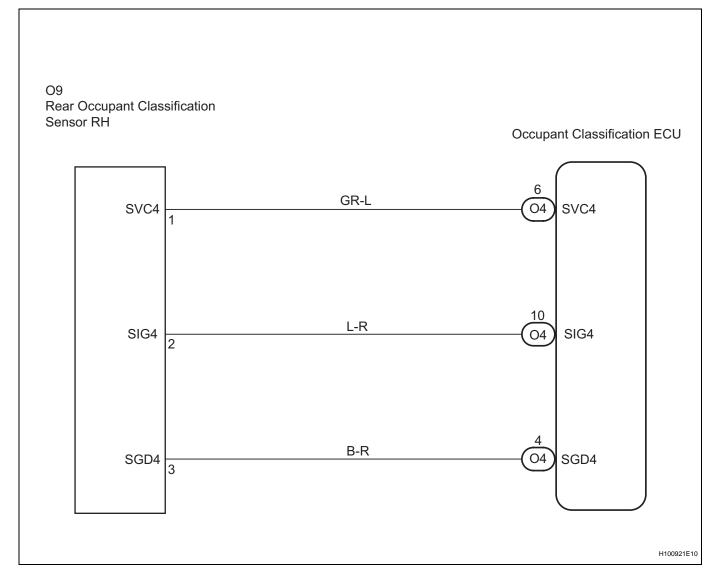
DTC B1783 is set when a malfunction is detected in the rear occupant classification sensor RH circuit.

DTC No.	DTC Detecting Conditions	Trouble Areas
B1783	 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 rear RH circuit for 2 seconds Rear occupant classification sensor RH malfunction Occupant classification ECU malfunction 	 Front seat with adjuster frame assembly RH (Rear occupant classification sensor RH) 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 B1783 of the occupant classification system.
- Use the intelligent tester to check for DTCs of the occupant classification ECU, otherwise the DTCs 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.

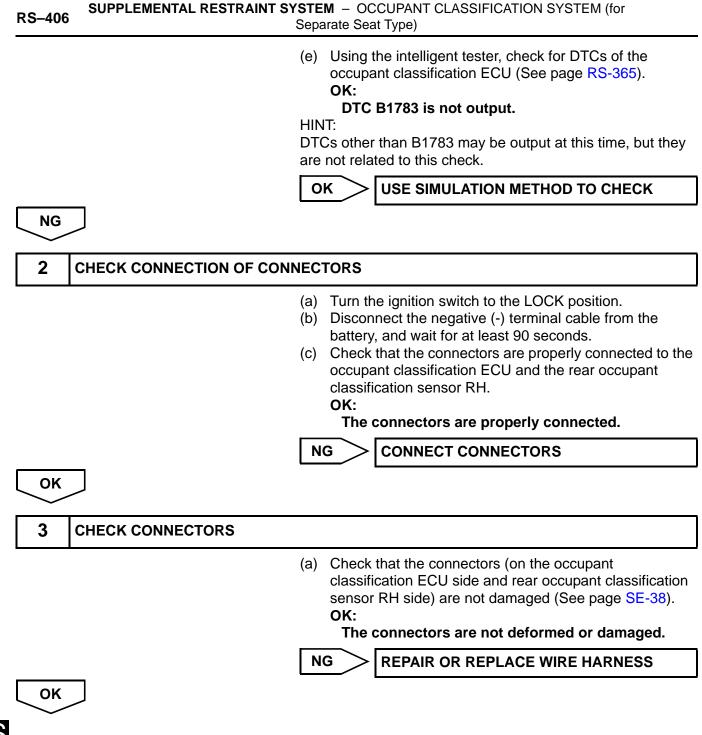
CHECK DTC

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

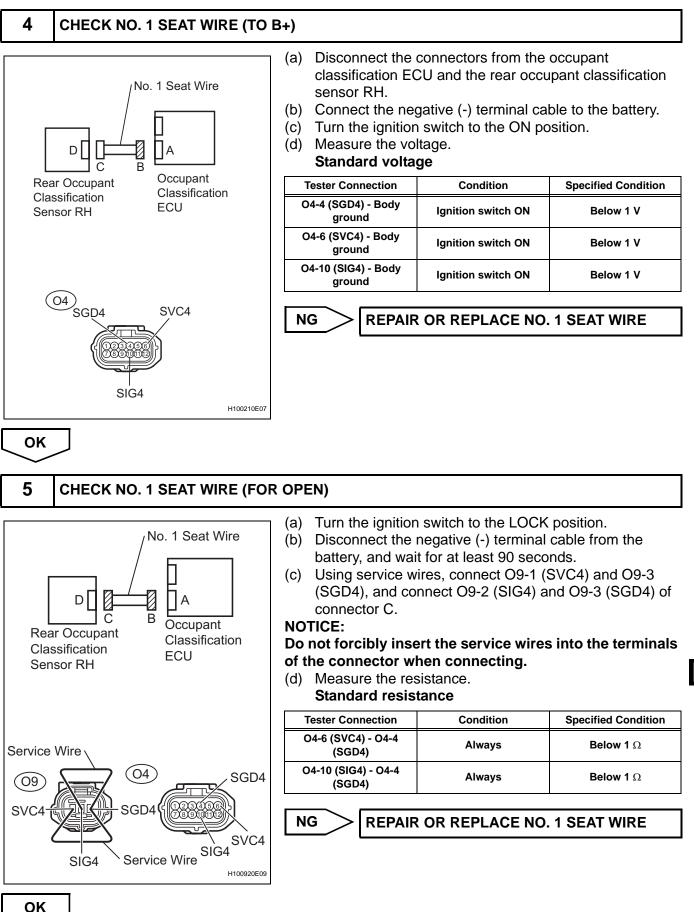
HINT:

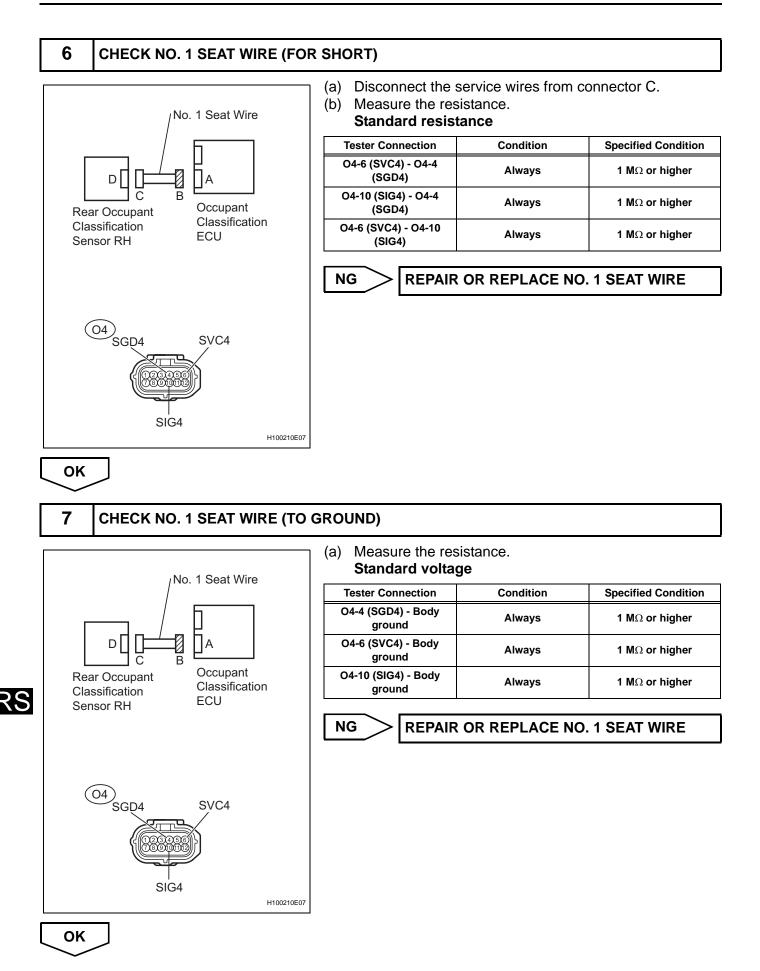
- First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor assembly.
- Use the intelligent tester to clear the DTCs of the occupant classification ECU, otherwise the DTCs cannot be cleared.
- (c) Turn the ignition switch to the LOCK position.
- (d) Turn the ignition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

RS



RS





8	CHECK DTC
	 (a) Connect the connectors to the occupant classification ECU and the rear occupant classification sensor RH. (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 B1783 is not output.
NG	
9	REPLACE OCCUPANT CLASSIFICATION ECU
<u> </u>	 (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-

<mark>631</mark>). 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) 	
οκ	NG Go to step 13	
12 CHECK DTC		
	 (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 ECI and then in the center airbag sensor assembly. Use the intelligent tester to clear the DTCs of the occupar classification ECU, otherwise the DTCs cannot be cleare (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 B1783 is not output. HINT: DTCs other than B1783 may be output at this time, but they are not related to this check. 	

- (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 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