Trouble in Passenger Airbag ON / OFF Indicator

DESCRIPTION

This circuit detects the airbag cut-off switch status and the passenger seat occupant classification status (detected by the occupant classification system). The passenger airbag ON/OFF indicator illuminates ON or OFF comes on to inform the passengers of the front passenger airbag assembly status (activated or deactivated).

HINT:

The table below shows the normal indication condition of the passenger airbag ON/OFF indicator and the front passenger seat condition.

Front passenger seat condition	ON Indicator	OFF Indicator
Adult is seated	ON	OFF
Child is seated	OFF	ON
Vacant	OFF	OFF
Occupant classification system failure	OFF	ON

WIRING DIAGRAM



RS-549



(b) Turn the ignition switch to the ON position.







OK



(a) Connect the intelligent tester to the DLC3. (b) Turn the ignition switch to the LOCK position. seat. NOTICE: Λ illustration. (d) Turn the ignition switch to the ON position. LIST (See page RS-487). H101938 Item Measurement Item / Range (Display) Normal Condition **Diagnostic Note** Passenger classification/ NG: Data is not determined

READ VALUE OF DATA LIST (PASSENGER CLASS)

AM50: Adult is seated and seat is rear position

AF05: Adult is seated and seat is front position

CHILD: Child is seated

OFF: Vacant

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The tester displays CHILD.



- (g) Add 30 kg (66.1 lb) weight on the front passenger seat. NOTICE:
 - Do not let the weight come into contact with the seat back when placing it on the seat cushion.
 - Place the weight in the area shown in the illustration.
- (h) Turn the ignition switch to the ON position.
- Using the intelligent tester, read the value of the DATA LIST (See page RS-487).

AF05 appears on the tester screen display when the seat is in the front position, and AM50 appears when the seat is in the rear position.

ltem	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
PASSENGER CLASS	Passenger classification/ NG: Data is not determined AM50: Adult is seated and seat is rear position AF05: Adult is seated and seat is front position CHILD: Child is seated OFF: Vacant	AF05/AM50/CHILD/OFF	-



The tester displays AM50 or AF50 according to the seat position.





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PASSENGER CLASS

- (c) Place a weight of 20 kg (44.0 lb) on the front passenger
 - Do not let the weight come into contact with the seat back when placing it on the seat cushion.
 - Place the weight in the area shown in the
- (e) Using the intelligent tester, read the value of the DATA

AF05/AM50/CHILD/OFF

(i) HINT:

OK



17 REPLACE OCCUPANT CLASSIFICATION ECU

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to the ON position.
- (c) Store the occupant classification ECU data into the intelligent tester (See page RS-476).

NEXT	() () () () ()	 HINT: If the ECU data cannot be stored in the intelligent tester, replace the front seat cushion assembly (with occupant classification ECU and occupant classification sensor). (d) Turn the ignition switch to the LOCK position. (e) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds. (f) Replace the occupant classification ECU (See page RS-634). (g) Connect the negative (-) terminal cable to the battery. (h) Turn the ignition switch to the ON position. (i) Load the data from the previous ECU stored in the tester, into the newly installed ECU (See page RS-476).
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18 CHECK PASSENGER AIRBAG ON/OFF INDICATOR (PERFORM SENSITIVITY CHECK)		
	(#	(a) Perform the sensitivity check (See page RS-480).
	Γ	OK END
NG		
19 REPLACE FRONT SEAT CUSHION ASSEMBLY (WITH OCCUPANT CLASSIFICATION ECU AND SENSOR)		
	(; () () () () () () () ()	 (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 cushion assembly (with occupant classification ECU and occupant classification sensor) (See page RS-626). (d) Connect the negative (-) terminal cable to the battery. (e) Turn the ignition switch to the ON position. (f) Clear the DTCs stored in the memory (See page RS-487). HINT: First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor assembly. (g) Turn the ignition switch to the ON position. (h) Turn the ignition switch to the ON position. (ji) Check the DTCs (See page RS-487). OK: DTC B1774 and B1775 are not output. HINT: DTCs other than B1774 and B1775 may be output at this
NEXT	-	time, but they are not related to this check.

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- (b) Turn the ignition switch to the ON position.
- (c) Using the intelligent tester, perform the zero point calibration (See page RS-480).

NEXT	
END	