

DTC

B1794

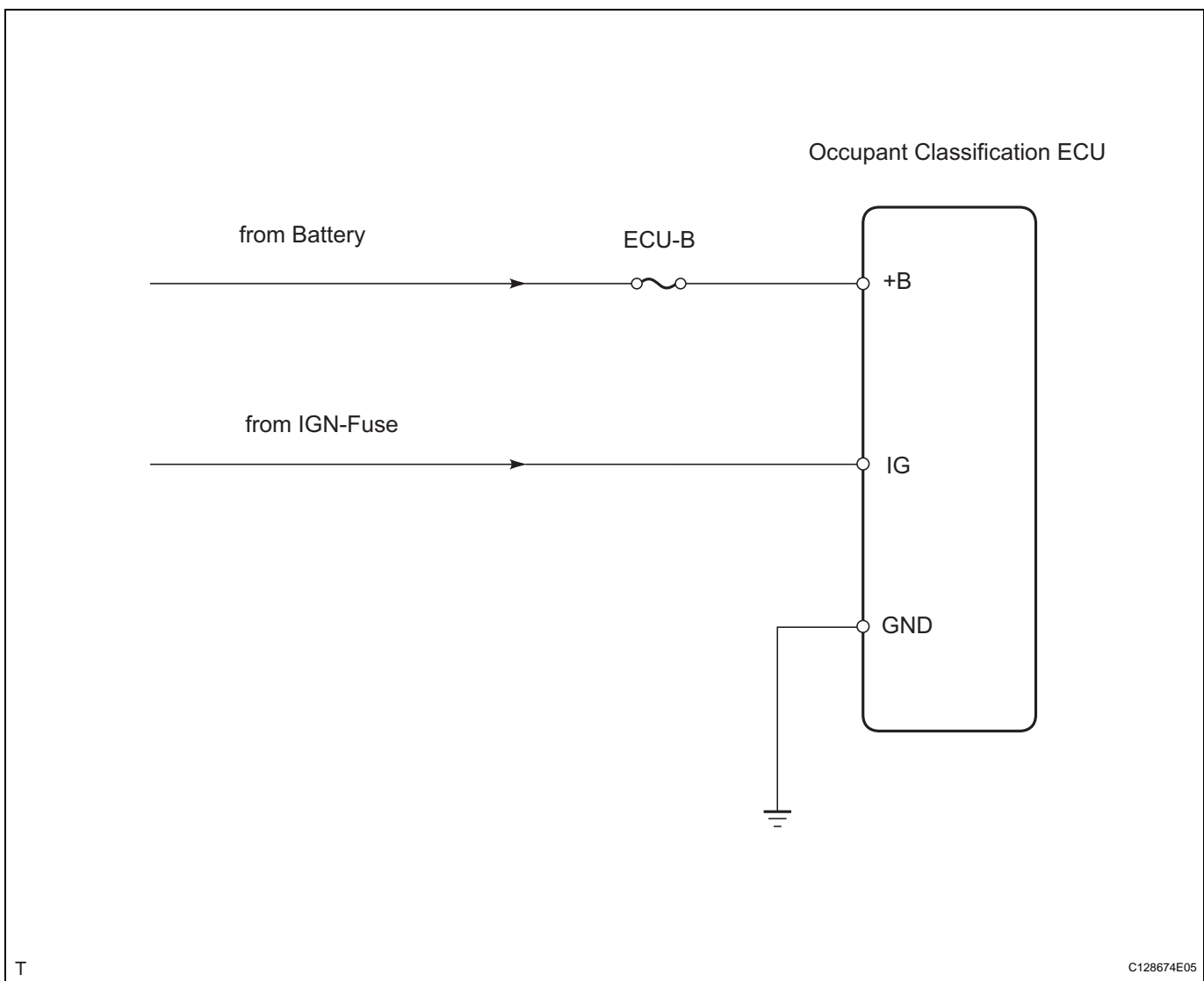
Open in Occupant Classification ECU Battery Positive Line

DESCRIPTION

DTC B1794 is set when a malfunction is detected in the occupant classification ECU battery positive line.

DTC No.	DTC Detection Condition	Trouble Area
B1794	When one of following conditions is met: <ul style="list-style-type: none"> • Occupant classification ECU circuit malfunction • Occupant classification ECU malfunction • Occupant classification ECU detects short circuit to ground signal in passenger side buckle switch circuit for 2 seconds 	<ul style="list-style-type: none"> • Wire harness • Occupant classification ECU

WIRING DIAGRAM



RS

T

C128674E05

INSPECTION PROCEDURE

1 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, and wait for at least 10 seconds.
- (d) Turn the ignition switch ON.
- (e) Check the DTCs (see page RS-249).

OK:

DTC B1794 is not output.

HINT:

DTCs other than B1794 may be output at this time, but they are not related to this check.

OK USE SIMULATION METHOD TO CHECK

NG

2 CHECK CONNECTION OF CONNECTOR

- (a) Turn the ignition switch OFF.
- (b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- (c) Check that the connectors are properly connected to the occupant classification ECU.

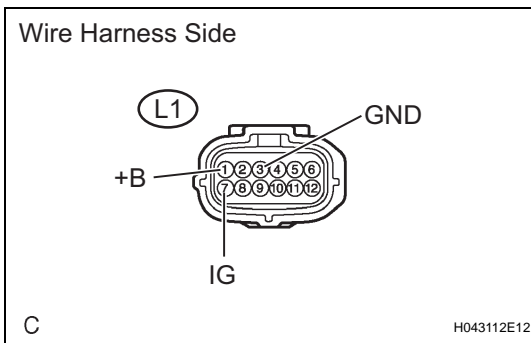
OK:

The connectors are properly connected.

NG CONNECT CONNECTOR

OK

3 CHECK WIRE HARNESS (SOURCE VOLTAGE)



- (a) Turn the ignition switch OFF.
- (b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- (c) Disconnect the L1 connector from the occupant classification ECU.
- (d) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- (e) Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Condition	Specified Condition
L1-1 (+B) - Body ground	Always	10 to 14 V
L1-7 (IG) - Body ground	Ignition switch ON	10 to 14 V

- (f) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Specified Condition
L1-3 (GND) - Body ground	Below 1 Ω

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REPAIR OR REPLACE HARNESS AND CONNECTOR (BATTERY - OCCUPANT CLASSIFICATION ECU)

OK

4 CHECK FOR DTC

- (a) Turn the ignition switch OFF.
 (b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
 (c) Connect the connectors to the occupant classification ECU.
 (d) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
 (e) Turn the ignition switch ON.
 (f) Clear the DTCs (see page [RS-249](#)).

HINT:

First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor.

- (g) Turn the ignition switch OFF, and wait for at least 10 seconds.
 (h) Turn the ignition switch ON.
 (i) Using the intelligent tester, check for DTCs of the occupant classification ECU (see page [RS-249](#)).

OK:

DTC B1794 is not output.

HINT:

DTCs other than B1794 may be output at this time, but they are not related to this check.

OK

USE SIMULATION METHOD TO CHECK

NG

5 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 [RS-392](#)).

HINT:

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

NEXT

6 | **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.

NEXT

7 | **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)

NEXT

END