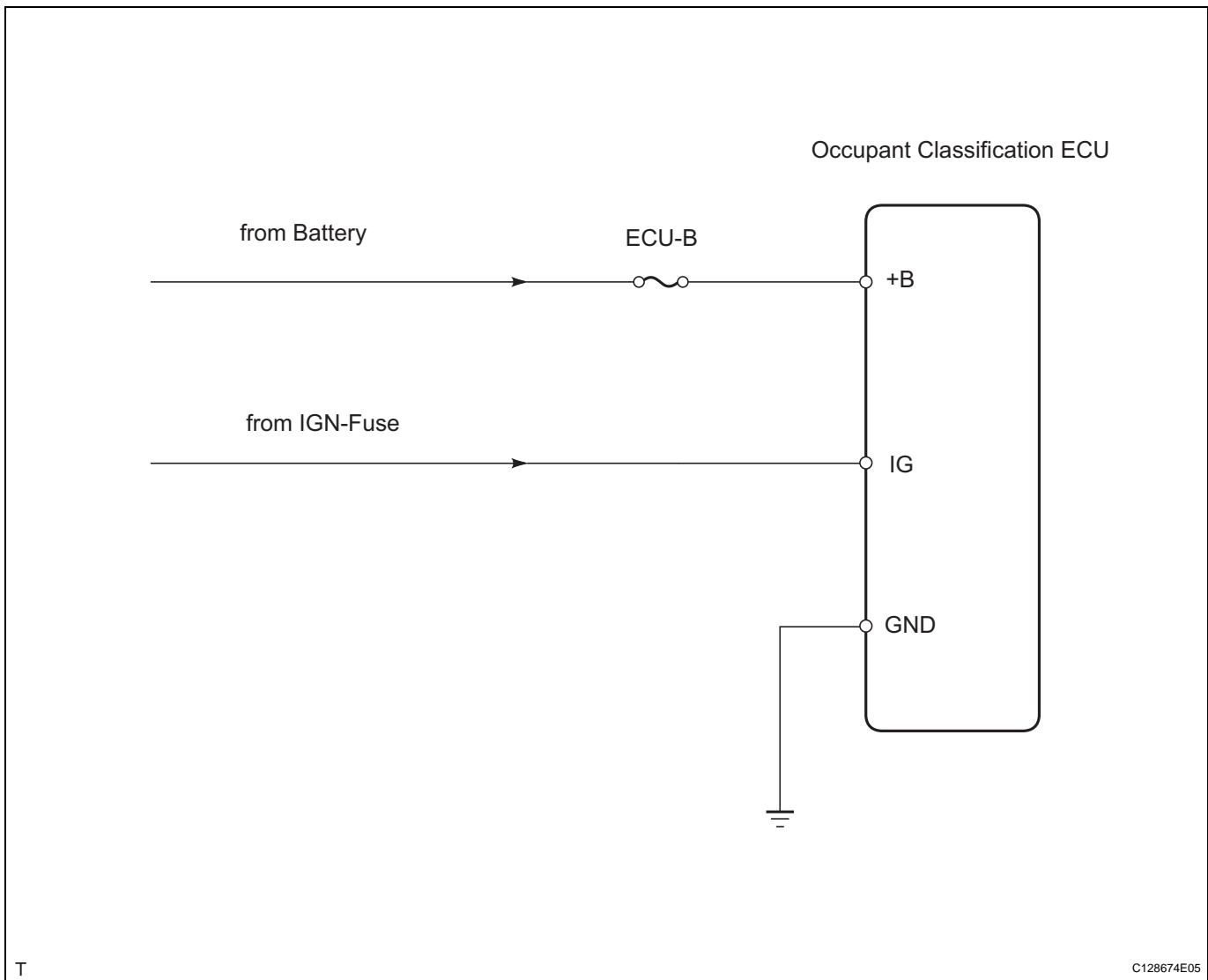


DTC**B1795****Occupant Classification ECU Malfunction****DESCRIPTION**

DTC B1795 is recorded when a malfunction is detected in the occupant classification ECU.

Troubleshoot DTC B1771 first when DTC B1771 and B1795 are output simultaneously.

DTC No.	DTC Detection Condition	Trouble Area
B1795	When one of following conditions is met: <ul style="list-style-type: none"> The occupant classification ECU receives the ignition switch OFF to ON signal 50 times in a row when a malfunction occurs in the power circuit for the occupant classification ECU (OFF to ON to OFF should be counted as 1 time). Occupant classification ECU circuit malfunction The occupant classification ECU receives a short circuit to ground signal in the passenger side buckle switch circuit for 2 seconds. Occupant classification ECU malfunction 	<ul style="list-style-type: none"> Battery ECU-B fuse Floor wire No.2 Front seat inner belt RH Occupant classification ECU

WIRING DIAGRAM

INSPECTION PROCEDURE

1 CHECK FOR DTC

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

Result

Result	Proceed to
DTC B1795 is output.	A
DTC B1771 and B1795 are output.	B

HINT:

DTCs other than DTC B1771 and B1795 may be output at this time, but they are not related to this check.

B → **GO TO DTC B1771**

A

2 CHECK FUSE (ECU-B)

- (a) Check the ECU-B fuse from the instrument panel junction block.
- (b) Measure the resistance of the fuse.

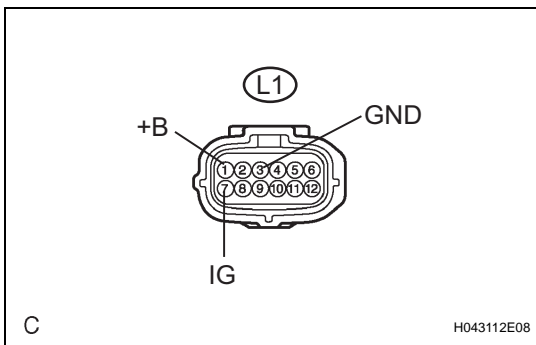
Standard resistance:

Below 1 Ω

NG → **REPLACE FUSE**

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 No. 2 floor wire connector from the occupant classification ECU.
- (d) Connect the negative (-) terminal cable to the battery, 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) Turn the ignition switch OFF.
- (g) Measure the resistance of the wire harness side connector.

Standard resistance

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

NG

REPAIR OR REPLACE WIRE HARNESS

OK

4 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 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 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

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)**

NEXT

END