

DTC	B1794	Open in Occupant Classification ECU Battery Positive Line
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DESCRIPTION

This circuit consists of the occupant classification ECU and the power source circuit (battery, fuse, and wire harness).

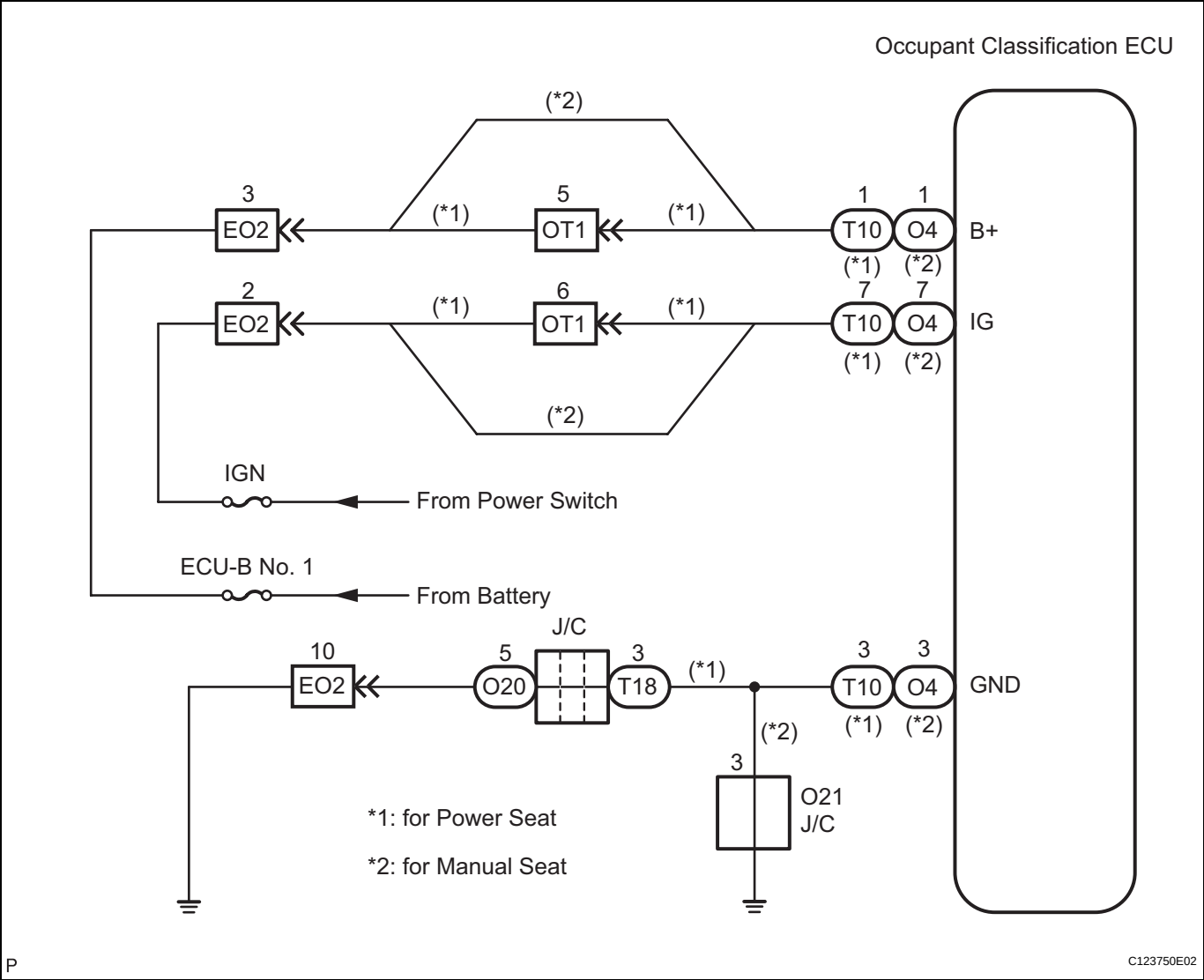
DTC B1794 is recorded when a malfunction is detected in the occupant classification ECU or the power source circuit.

HINT:

If DTC B1794 is output after switching the power switch off-on (IG)-off 50 times in a row when a malfunction occurs in the power circuit for the occupant classification system, the DTC is output again. This DTC is output when a malfunction is detected even after being cleared unless the normal system code is input.

DTC No.	DTC Detecting Condition	Trouble Area
B1794	• The power switch is turned from off to on (IG), hold if for 10 seconds or more, and back to off again 50 times in a row when a malfunction occurs in the circuit for the occupant classification system. • Occupant classification ECU malfunction	• Battery • ECU-B Fuse • Floor wire No. 2 • Front seat wire RH (for Power seat) • Occupant classification ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK BATTERY
(a) Measure the voltage of the battery. Standard voltage: 11 to 14 V	
NG → REPLACE BATTERY	
OK	
2	CHECK FUSE
(a) Check the ECU-B fuse. Standard resistance: Below 1 Ω	

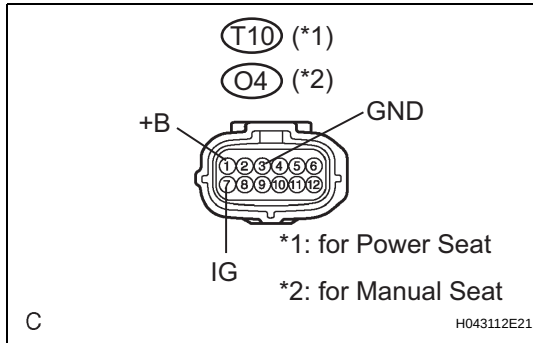
NG

REPLACE FUSE

OK

3

CHECK WIRE HARNESS (SOURCE VOLTAGE)



- Turn the power switch off.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connector from the occupant classification ECU.
- Connect the negative (-) terminal cable to the battery.
- Turn the power switch on (IG).
- Measure the voltage and resistance according to the value(s) in the table below.

**Standard voltage and resistance:
for Power seat**

Tester connection	Condition	Specified condition
T10-1 (+B) - Body ground	Always	10 to 14 V
T10-3 (GND) - Body ground	Always	Below 1 Ω
T10-7 (IG) - Body ground	Power switch on (IG)	10 to 14 V

for Manual seat

Tester connection	Condition	Specified condition
O4-1 (+B) - Body ground	Always	10 to 14 V
O4-3 (GND) - Body ground	Always	Below 1 Ω
O4-7 (IG) - Body ground	Power switch on (IG)	10 to 14 V

NG

REPAIR OR REPLACE WIRE HARNESS

OK

4

CHECK DTC

- Turn the power switch off.
- Disconnect the negative (-) terminal cable from the battery.
- Connect the connector to the occupant classification ECU.
- Connect the intelligent tester to the DLC3.
- Connect the negative (-) terminal cable to the battery.
- Turn the power switch on (IG).
- Clear the DTCs stored in the occupant classification ECU (See page RS-248).
- Clear the DTCs stored in the center airbag sensor assembly (See page RS-41).
- Turn the power switch off.

- (j) Turn the power switch on (IG), and wait for at least 10 seconds.
- (k) Using the intelligent tester, check the DTCs of the occupant classification ECU (See page [RS-248](#)).

OK:

B1794 is not output.

HINT:

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

NG

USE SIMULATION METHOD TO CHECK (See page [RS-245](#))

OK

5 REPLACE OCCUPANT CLASSIFICATION ECU

- (a) Turn the power switch off.
- (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-445](#)).

NEXT

6 PERFORM ZERO POINT CALIBRATION

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the power switch on (IG).
- (d) Using the intelligent tester, perform the "zero point calibration" (See page [RS-239](#)).

OK:

"COMPLETED" is displayed.

NEXT

7 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform the "sensitivity check" (See page [RS-239](#)).

Standard value:

27 to 33 kg (59.52 to 72.75 lb)

NEXT

END