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 the DTCs B1771 and B1795 are output simultaneously.

DTC No.	DTC Detecting Condition	Trouble Area
B1795	• 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	• Front seat wire RH • Front seat inner belt assembly RH (Passenger side buckle switch) • Occupant classification ECU

RS

WIRING DIAGRAM

See page RS-409.

INSPECTION PROCEDURE

1	CHECK DTC

(a) Turn the ignition switch to the ON position, and wait for at least 10 seconds.
(b) Check the DTCs (See page RS-335).
Result:
A:
DTC B1795 is output.
B:
DTCs B1771 and B1795 are output.
HINT:
Codes 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

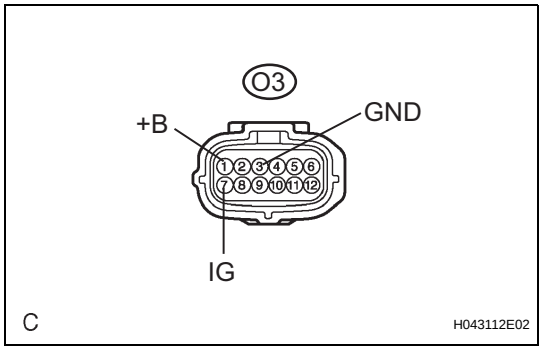
2	CHECK FUSE

(a) Measure the resistance of the ECU-B fuse.
Resistance:
Below 1 Ω

NG → **REPLACE FUSE**

OK

3	CHECK WIRE HARNESS (SOURCE VOLTAGE)



(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) Disconnect the connector from the occupant classification ECU.
(d) Connect the negative (-) terminal cable to the battery.
(e) Turn the ignition switch to the ON position.
(f) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester connection	Condition	Specified condition
O3-1 (+B) - Body ground	Always	10 to 14 V
O3-7 (IG) - Body ground	Ignition switch ON	10 to 14 V

(g) Turn the ignition switch to the LOCK position.
(h) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
O3-3 (GND) - Body ground	Always	Below 1 Ω

NG → REPAIR OR REPLACE WIRE HARNESS

OK

4	REPLACE OCCUPANT CLASSIFICATION ECU

(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-487).

NEXT

5	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 "Zero point calibration" (See page RS-328).

OK:

"COMPLETED" is displayed.

NEXT

6	PERFORM SENSITIVITY CHECK

(a) Using the intelligent tester, perform "Sensitivity check" (See page RS-328).
Standard value:
27 to 33 kg (59.52 to 72.75 lb)

NEXT

END