DTC	B1794	OCCUPANT CLASSIFICATION ECU BATTERY POSITIVE LINE OPEN

CIRCUIT DESCRIPTION

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

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

HINT:

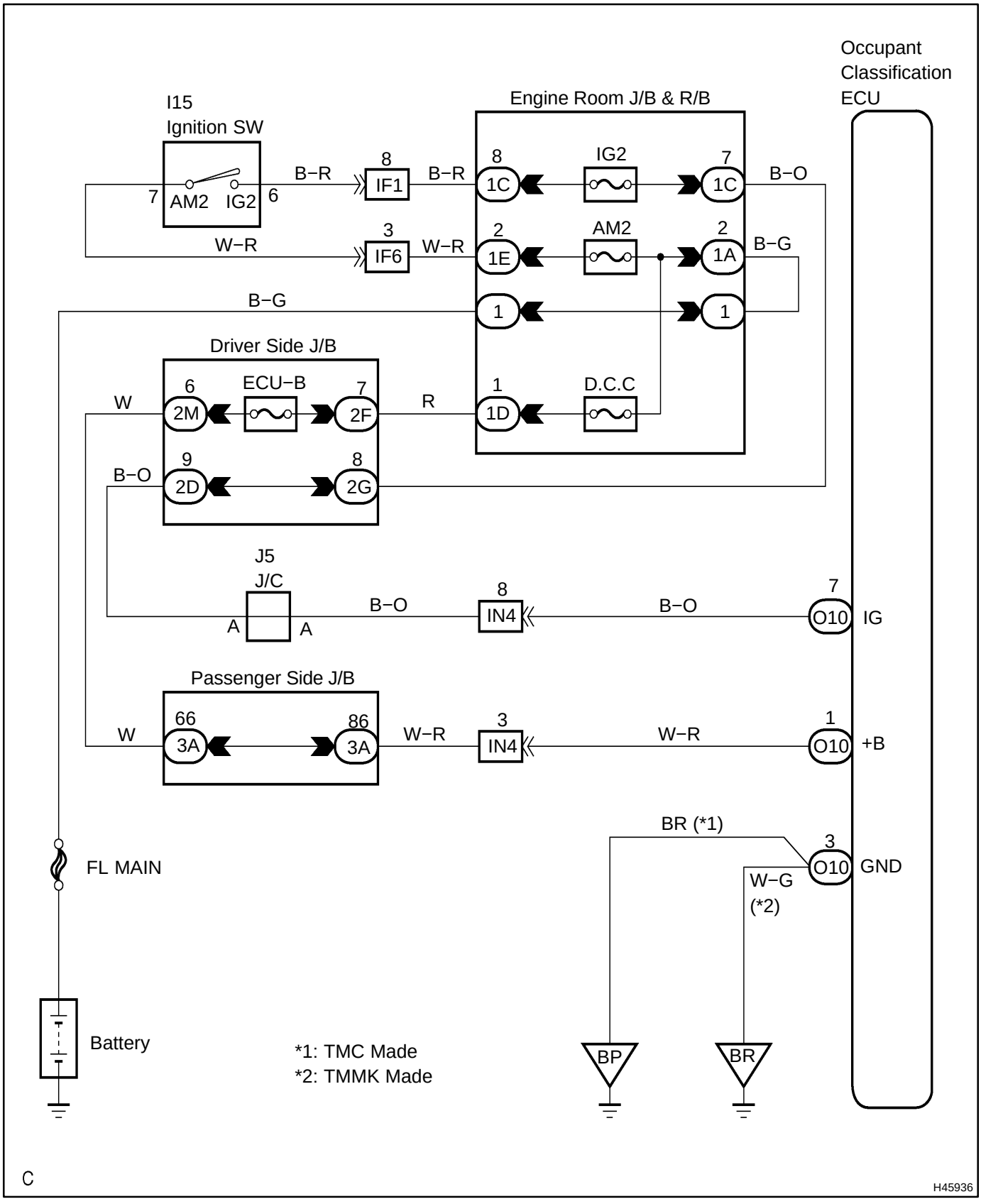
- DTC B1794 is output only for models equipped with a manual front passenger seat.
- When DTC B1794 is output after switching the ignition switch LOCK−ON−LOCK 50 times in a row when a malfunction occurs in the power circuit for the occupant classification system, the DTC is output again when a malfunction is detected even once after being cleared, unless the normal system code is input.

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

HINT:

- When DTC B1650/32 is detected as a result of troubleshooting for the supplemental restraint system, perform troubleshooting for DTC B1794 of the occupant classification system.
- Use the hand−held tester to check the DTC of the occupant classification ECU, otherwise the DTC cannot be read.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK BATTERY

(a) Measure the voltage of the battery.
Standard: 11 to 14 V

NG → **REPLACE BATTERY**

OK

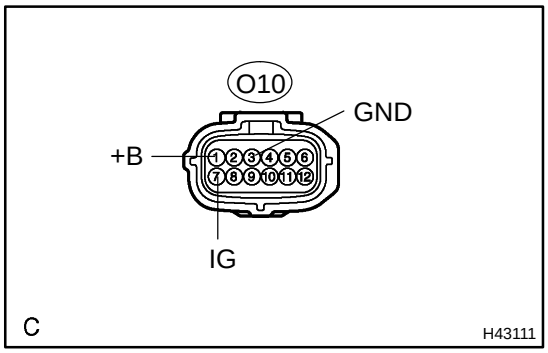
2	CHECK FUSE

(a) Check the ECU−B fuse.
Standard: 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 and resistance according to the value(s) in the table below.
Standard:

Tester connection	Condition	Specified condition
O10−1 (+B) − Body ground	Ignition switch ON	10 to 14 V
O10−7 (IG) − Body ground	Ignition switch ON	10 to 14 V
O10−3 (GND) − Body ground	Always	Below 1 Ω

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

4	CHECK DTC

(a) Turn the ignition switch to the ON position.
(b) Clear the DTCs stored in memory (see page 05−1464).

HINT:

- First clear DTCs stored in the occupant classification ECU and then in the airbag sensor assy center.
- Use the hand−held tester to clear the DTC of the occupant classification ECU, otherwise the DTC cannot be cleared.

(c) Turn the ignition switch to the LOCK position.
(d) Turn the ignition switch to the ON position, and wait for at least 10 seconds.
(e) Using the hand−held tester, check the DTCs of the occupant classification ECU (see page 05−1464).
OK:
DTC B1794 is not output.

HINT:

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

NG → **Go to step 5**

OK

USE SIMULATION METHOD TO CHECK (SEE PAGE 05−1456)

5	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 60−72).

HINT:

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

NEXT

6	PERFORM ZERO POINT CALIBRATION

(a) Connect the negative (−) terminal cable to the battery.
(b) Connect the hand−held tester to the DLC3.
(c) Turn the ignition switch to the ON position.
(d) Using the hand−held tester, perform the ”Zero point calibration” (see page 05−1452).
OK:
The ”COMPLETED” is displayed.

NEXT

7	PERFORM SENSITIVITY CHECK

(a) Using the hand−held tester, perform the ”Sensitivity check” (see page 05−1452).
Standard value: 27 to 33 kg (59.52 to 72.75 lb)

NEXT

END