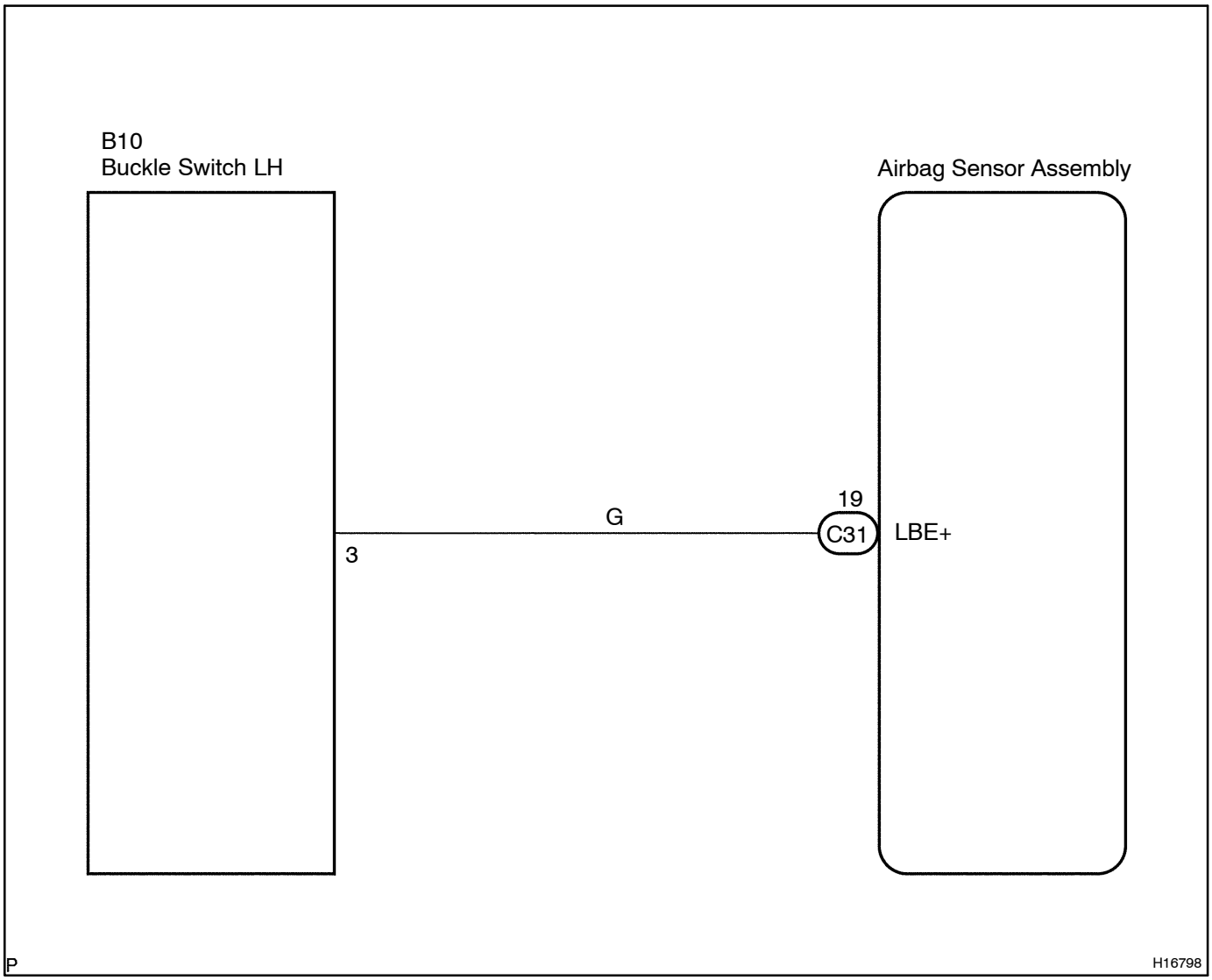
DTC	B0126/B0127/27	Seat Belt Buckle Switch LH Malfunction

CIRCUIT DESCRIPTION

The seat belt buckle switch LH malfunction circuit consists of the airbag sensor assembly and the front seat inner belt LH (seat belt buckle switch LH).
For details of the function of each component, see OPERATION on page RS–3.
DTC B0126/B0127/27 is recorded when a malfunction is detected in the seat belt buckle switch LH circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0126/B0127/27	• Seat belt buckle switch LH circuit malfunction	• Front seat inner belt LH (Seat belt buckle switch LH) • Airbag sensor assembly • Floor No. 1 wire

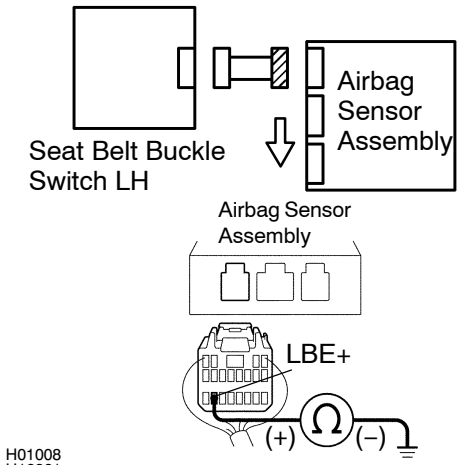
WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Prepare for inspection (See step 1 on page DI–882).**

2	**Check floor No. 1 wire (to ground).**



CHECK:

Measure the resistance between the body ground and LBE+ of the floor No. 1 wire connector on the airbag sensor assembly side.

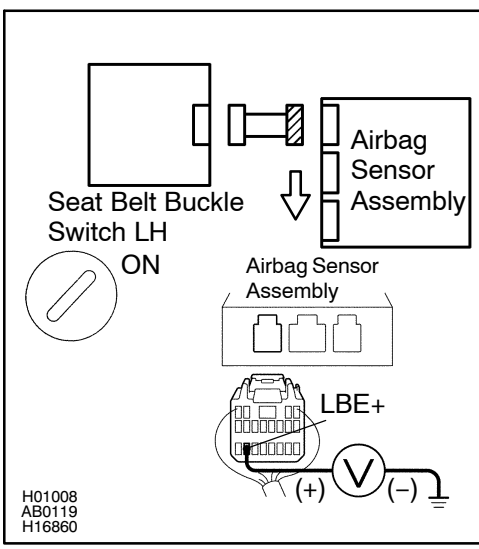
OK:

Resistance: 1 MΩ or Higher

NG	**Replace floor No. 1 wire.**

OK

3	**Check floor No. 1 wire (to B+).**



PREPARATION:

(a) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn the ignition switch to ON.

(b) Measure the voltage between the body ground and LBE+ of the floor No. 1 wire connector on the airbag sensor assembly side.

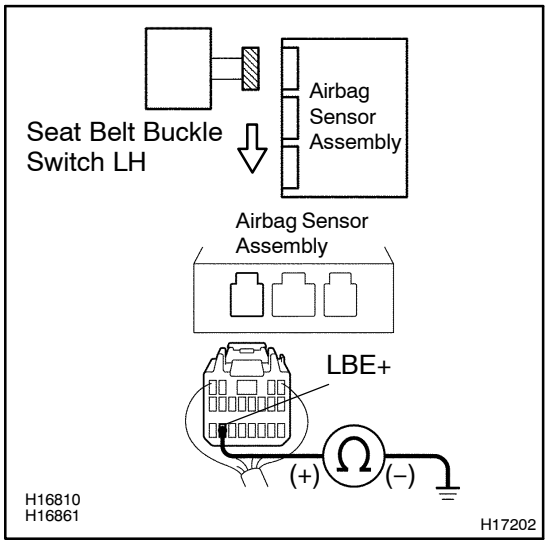
OK:

Voltage: Below 1 V

NG	**Replace floor No. 1 wire.**

OK

4	Check front seat inner belt LH.



PREPARATION:

(a) Turn the ignition switch to LOCK.
(b) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(c) Connect the connector of the front seat inner belt LH (seat belt buckle switch LH).
(d) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(e) Unlock the seat belt for the driver's seat.

CHECK:

Measure the resistance between the body ground and LBE+ of the floor No. 1 wire connector on the airbag sensor assembly side.

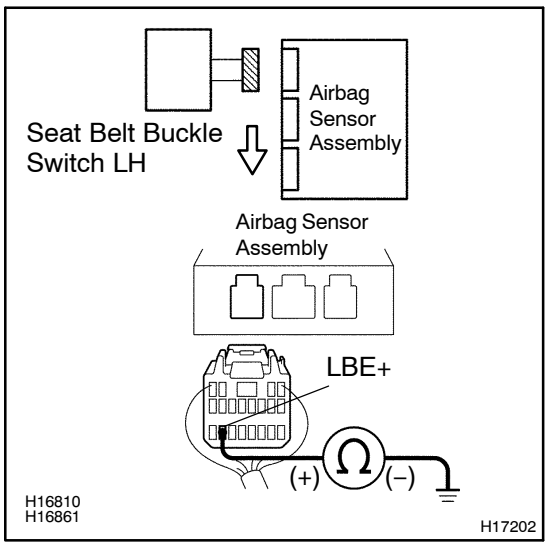
OK:

Resistance: 1 kΩ – 1.6 kΩ

NG → **Replace front seat inner belt LH.**

OK

5	Check front seat inner belt LH.



PREPARATION:

Lock the seat belt for the driver's seat.

CHECK:

Measure the resistance between the body ground and LBE+ of the floor No. 1 wire connector on the airbag sensor assembly side.

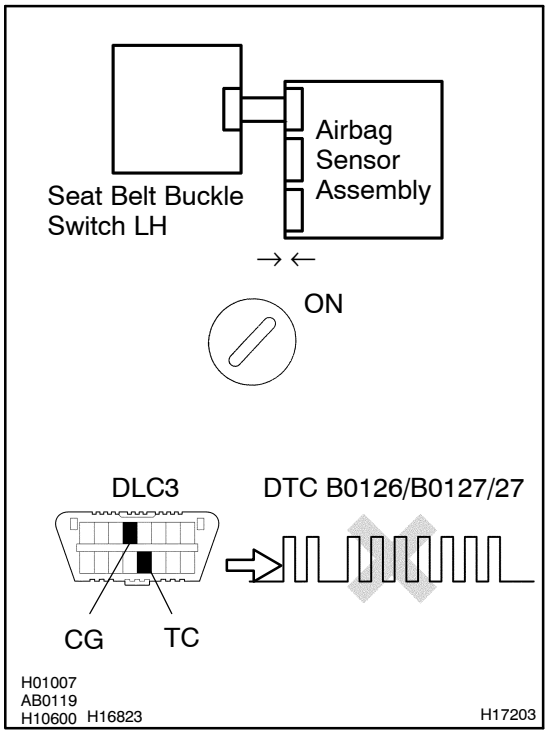
OK:

Resistance: 100 Ω – 500 Ω

NG → **Replace front seat inner belt LH.**

OK

6	Check airbag sensor assembly.



PREPARATION:

(a) Turn the ignition switch to LOCK.
(b) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(c) Connect the connector to the airbag sensor assembly.
(d) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn the ignition switch to ON, and wait at least for 10 seconds.
(b) Clear the DTC stored in memory (See page DI–882).
(c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Check the DTC (See page DI–882).

OK:

DTC B0126/B0127/27 is not output.

HINT:

Codes other than code B0126/B0127/27 may be output at this time, but they are not relevant to this check.

NG	Replace airbag sensor assembly.

OK

From the results of the above inspection, the malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check.