DTC	B0126/27	SEAT BELT BUCKLE SWITCH (LH) MALFUNCTION

DTC	B0127/27	SEAT BELT BUCKLE SWITCH (LH) MALFUNCTION

CIRCUIT DESCRIPTION

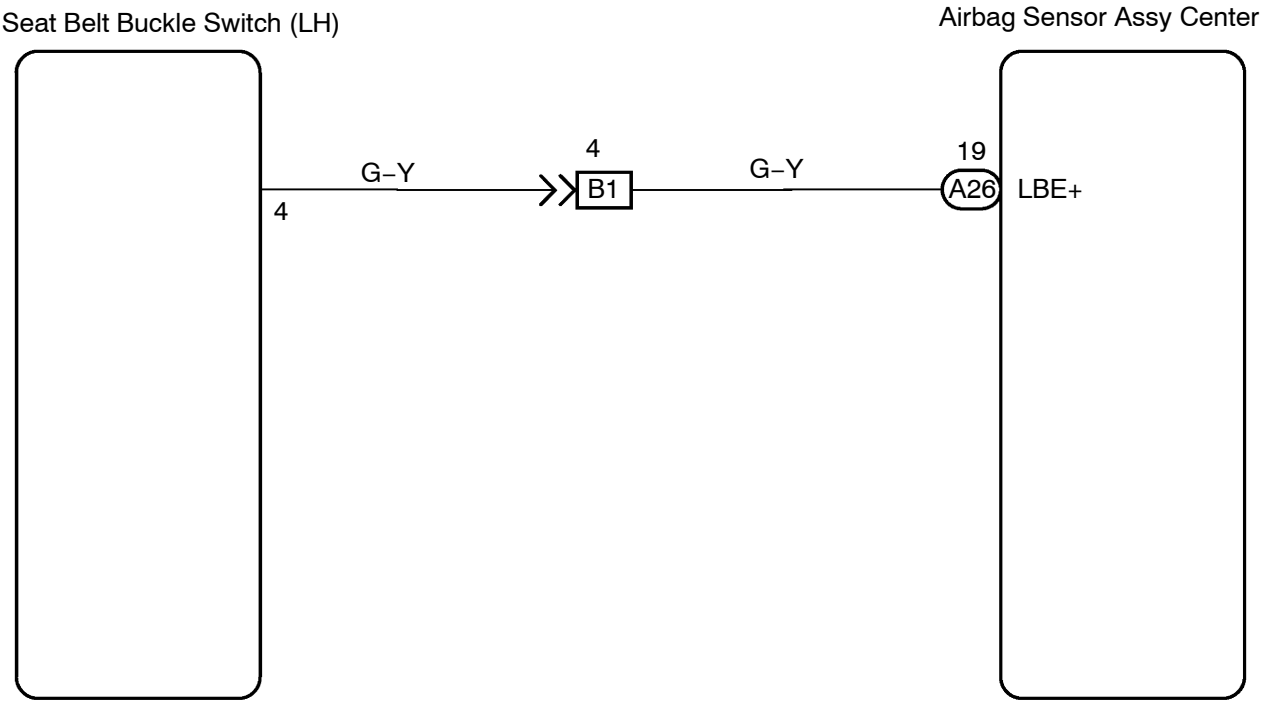
The seat belt buckle switch (LH) circuit consists of the airbag sensor assy center and front seat inner belt assy (LH).

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	• Short circuit in LBE+ wire harness (to ground) • Short circuit in LBE+ wire harness (to B+) • Open circuit in LBE+ wire harness • Front seat inner belt assy (LH) malfunction • Airbag sensor assy center malfunction	• Front seat inner belt assy (LH) • Airbag sensor assy center • Wire harness

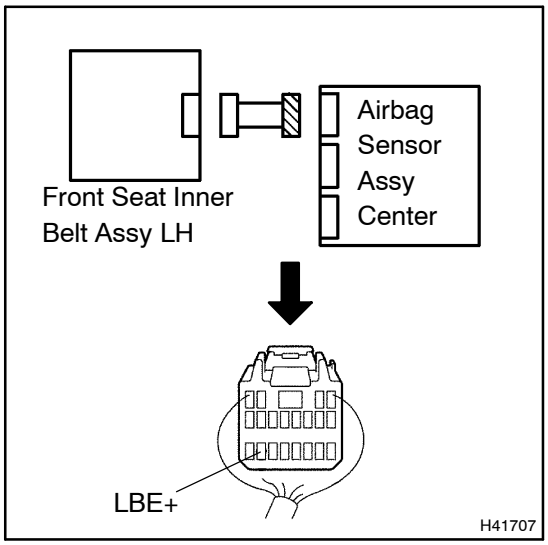
WIRING DIAGRAM

LHD:



INSPECTION PROCEDURE

1	CHECK WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – FRONT SEAT INNER BELT ASSY LH)

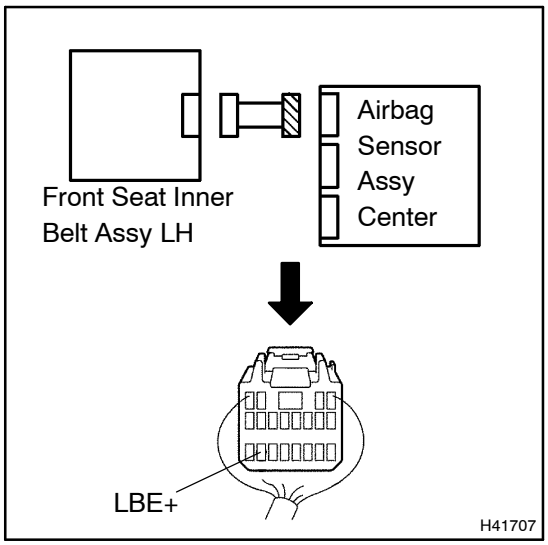


(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connector between the airbag sensor assy center and the front seat inner belt assy (LH).
(c) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the front seat inner belt assy (LH), measure the resistance between LBE+ and body ground.
OK:
Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

2	CHECK WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – FRONT SEAT INNER BELT ASSY LH)

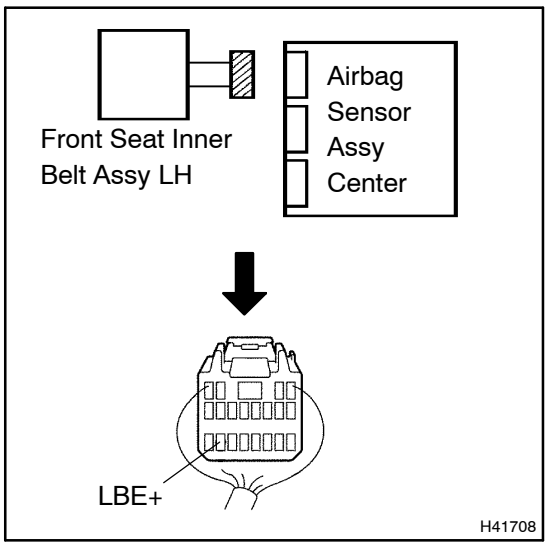


(a) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(b) Turn the ignition switch to ON.
(c) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the front seat inner belt assy (LH), measure the voltage between LBE+ and body ground.
OK:
Voltage: Below 1 V

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

3 CHECK FRONT SEAT INNER BELT ASSY LH

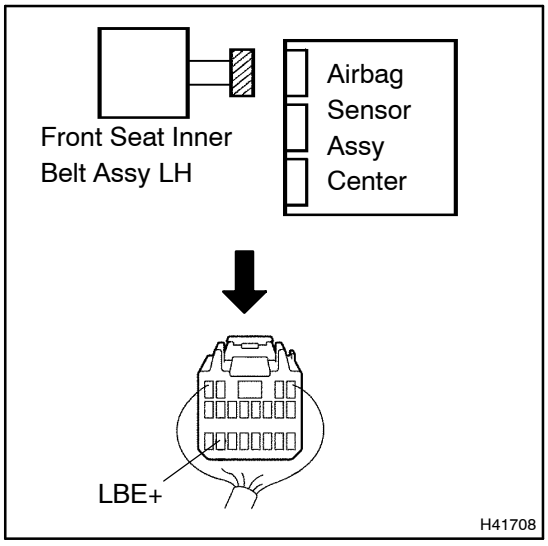


(a) Turn the ignition switch to LOCK.
(b) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(c) Connect the connector of the front seat inner belt assy (LH).
(d) Unlock the seat belt for the front seat LH.
(e) For the connector (on the airbag sensor assy center side), measure the resistance between LBE+ and body ground.
OK:
Resistance: 1.0 kΩ – 1.6 kΩ

NG → **REPLACE FRONT SEAT INNER BELT ASSY LH**

OK

4 CHECK FRONT SEAT INNER BELT ASSY LH



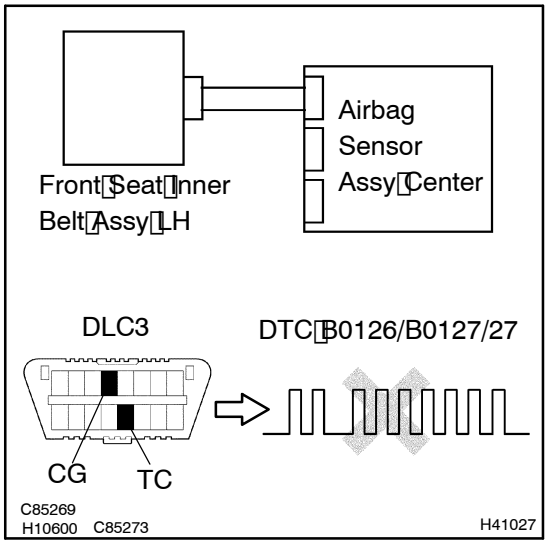
(a) Lock the seat belt for the front seat LH.
(b) For the connector (on the airbag sensor assy center side), measure the resistance between LBE+ and body ground.
OK:
Resistance: 100 Ω – 500 Ω

NG → **REPLACE FRONT SEAT INNER BELT ASSY LH**

OK

5	CHECK AIR BAG SENSOR ASSY CENTER

SST 09843–18040



(a) Connect the connector to the airbag sensor assy center.
(b) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(c) Turn the ignition switch to ON, and wait at least for 20 seconds.
(d) Clear the DTC stored in memory (See page 05–758).
(e) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(f) Turn the ignition switch to ON, and wait at least for 20 seconds.
(g) Check the DTC (See page 05–758).

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 AIR BAG SENSOR ASSY CENTER

OK

USE SIMULATION METHOD TO CHECK