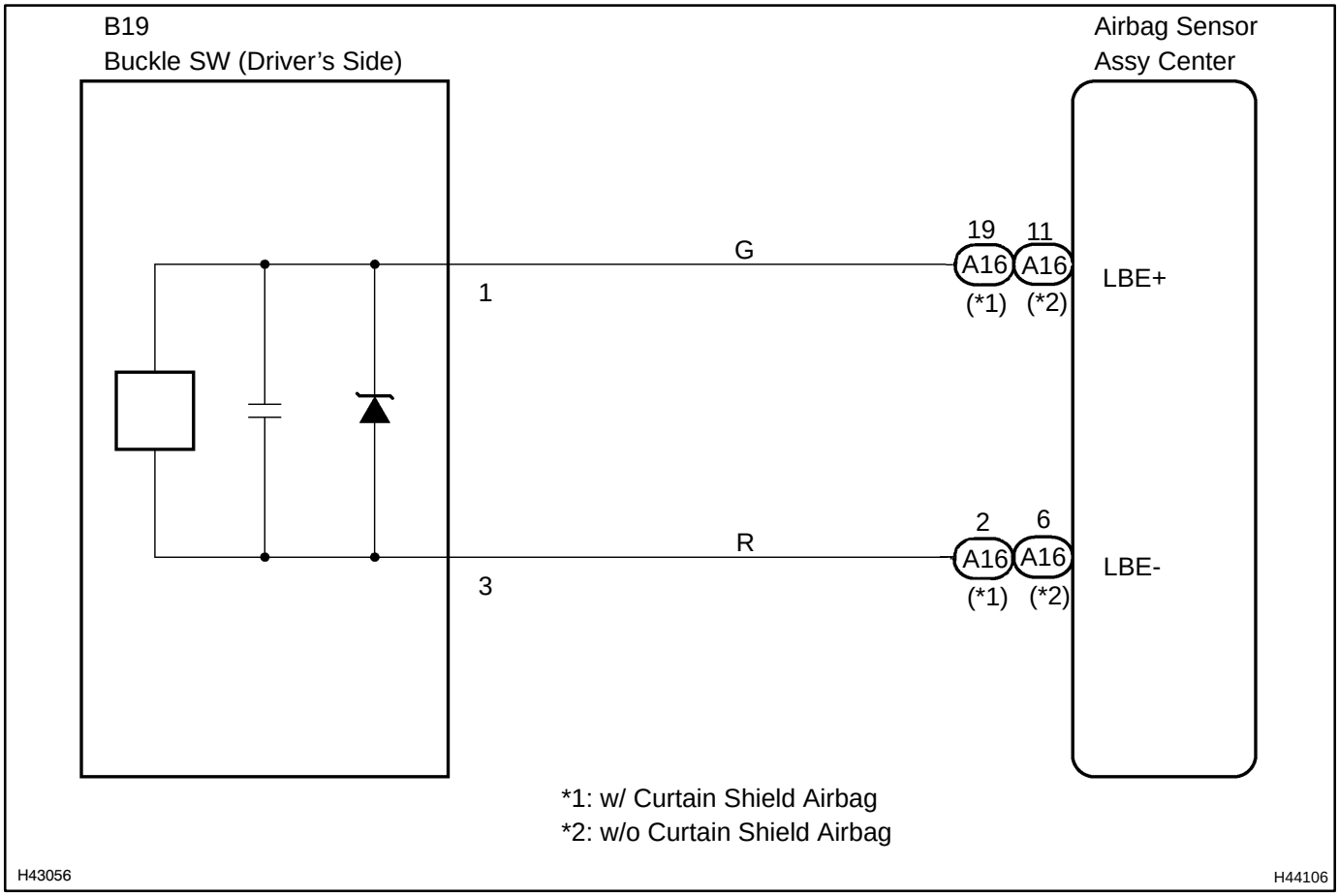
DTC	B0126/27	SEAT BELT BUCKLE SWITCH (LH) MALFUNCTION

CIRCUIT DESCRIPTION

The seat belt buckle switch LH circuit consists of the airbag sensor assy center and the front seat inner belt assy LH (seat belt buckle switch LH).
DTC B0126/27 is recorded when a malfunction is detected in the seat belt buckle switch LH circuit.

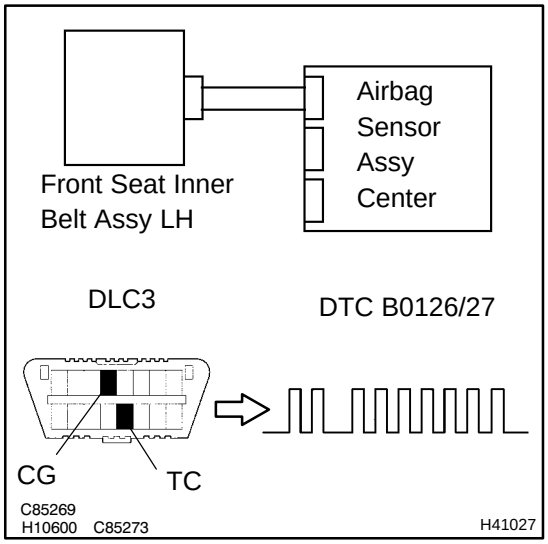
DTC No.	DTC Detecting Condition	Trouble Area
B0126/27	• Short circuit in front seat inner belt assy LH wire harness (to B+) • Short circuit in front seat inner belt assy LH wire harness (to ground) • Open circuit in LBE+ wire harness or LBE- wire harness of front seat inner belt assy LH • Front seat inner belt assy LH malfunction • Airbag sensor assy center malfunction	• Front seat inner belt assy LH (Seat belt buckle switch LH) • Airbag sensor assy center • Floor wire No.2

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK DTC



(a) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(b) Clear the DTCs stored in memory (see page 05-1215).
(c) Turn the ignition switch to the LOCK position.
(d) Turn the ignition switch to the ON position and wait for at least 60 seconds.
(e) Check the DTCs (see page 05-1215).
OK:
DTC B0126/27 is not output.

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

NG → **Go to step 2**

OK

USE SIMULATION METHOD TO CHECK

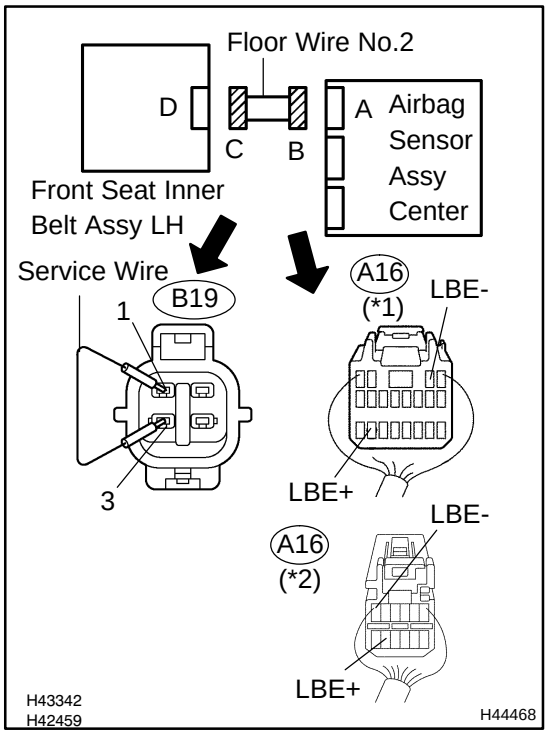
2	CHECK CONNECTION OF CONNECTORS

(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) Check that the connectors are properly connected to the airbag sensor assy center and the front seat inner belt assy LH.
OK:
The connectors are connected.

NG → **CONNECT CONNECTORS, THEN GO TO STEP 1**

OK

3 CHECK FLOOR WIRE NO.2(OPEN)



(a) Disconnect the connectors from the airbag sensor assy center and the front seat inner belt assy LH.

(b) Using a service wire, connect B19-1 and B19-3 of connector "C".

NOTICE:

Do not forcibly insert a service wire into the terminal of the connector when connecting.

(c) Measure the resistance according to the value(s) in the table below.

Standard:

w/ Curtain shield airbag (*1):

Tester connection	Condition	Specified condition
A16-19 (LBE+) - A16-2 (LBE-)	Always	Below 1 Ω

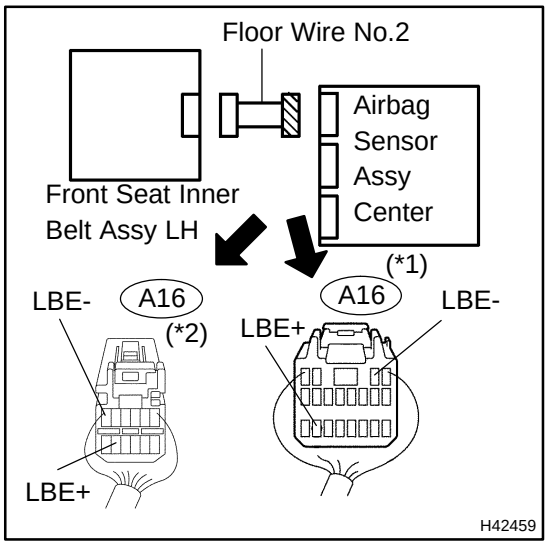
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A16-11 (LBE+) - A16-6 (LBE-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

4 CHECK FLOOR WIRE NO.2(TO B+)



(a) Disconnect the service wire from connector "C".

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

(c) Turn the ignition switch to the ON position.

(d) Measure the voltage according to the value(s) in the table below.

Standard:

w/ Curtain shield airbag (*1):

Tester connection	Condition	Specified condition
A16-19 (LBE+) - Body ground	Ignition switch ON	Below 1 V
A16-2 (LBE-) - Body ground	Ignition switch ON	Below 1 V

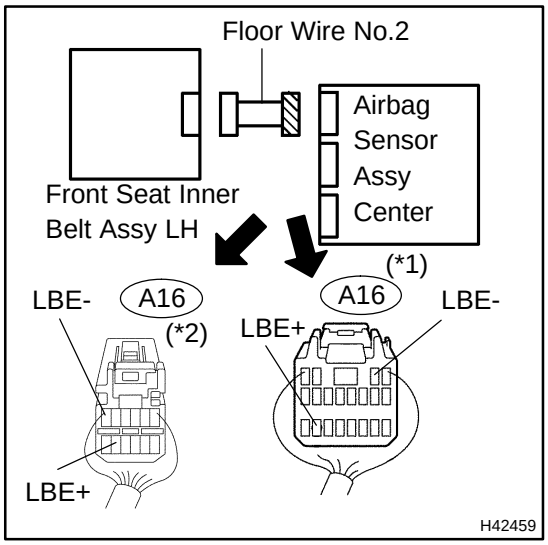
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A16-11 (LBE+) - Body ground	Ignition switch ON	Below 1 V
A16-6 (LBE-) - Body ground	Ignition switch ON	Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

5 CHECK FLOOR WIRE NO.2(TO GROUND)



(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) Measure the resistance according to the value(s) in the table below.

Standard:

w/ Curtain shield airbag (*1):

Tester connection	Condition	Specified condition
A16-19 (LBE+) - Body ground	Always	1 MΩ or Higher
A16-2 (LBE-) - Body ground	Always	1 MΩ or Higher

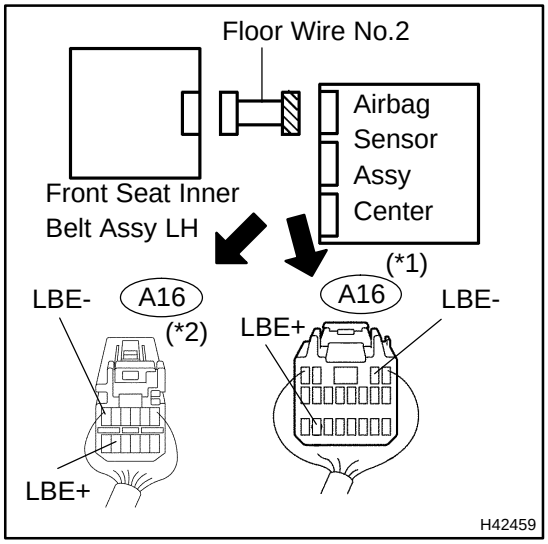
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A16-11 (LBE+) - Body ground	Always	1 MΩ or Higher
A16-6 (LBE-) - Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

6 CHECK FLOOR WIRE NO.2(SHORT)



(a) Measure the resistance according to the value(s) in the table below.

Standard:

w/ Curtain shield airbag (*1):

Tester connection	Condition	Specified condition
A16-19 (LBE+) - A16-2 (LBE-)	Always	1 MΩ or Higher

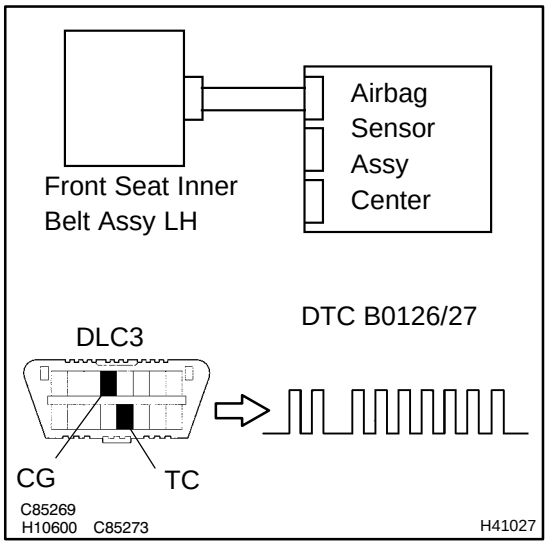
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A16-11 (LBE+) - A16-6 (LBE-)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

7	CHECK FRONT SEAT INNER BELT ASSY LH



(a) Connect the connectors to the front seat inner belt assy LH and the airbag sensor assy center.
(b) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(c) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(d) Clear the DTCs stored in memory (see page 05-1215).
(e) Turn the ignition switch to the LOCK position.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Check the DTCs (see page 05-1215).

OK:

DTC B0126/27 is not output.

HINT:

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

NG	Go to step 8

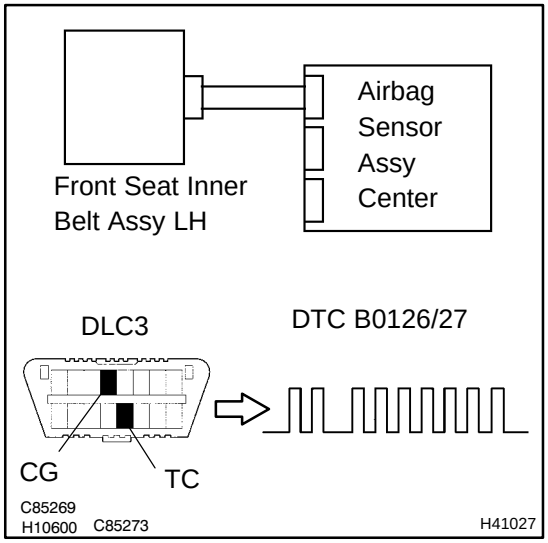
OK

USE SIMULATION METHOD TO CHECK

8	REPLACE FRONT SEAT INNER BELT ASSY LH

(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 front seat inner belt assy LH (see page 72-1 1, 72-19).

9	CHECK AIR BAG SENSOR ASSY CENTER



(a) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(b) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(c) Clear the DTCs stored in memory (see page 05-1215).
(d) Turn the ignition switch to the LOCK position.
(e) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(f) Check the DTCs (see page 05-1215).

OK:

DTC B0126/27 is not output.

HINT:

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

NG	REPLACE AIR BAG SENSOR ASSY CENTER (SEE PAGE 60-53)

OK

END