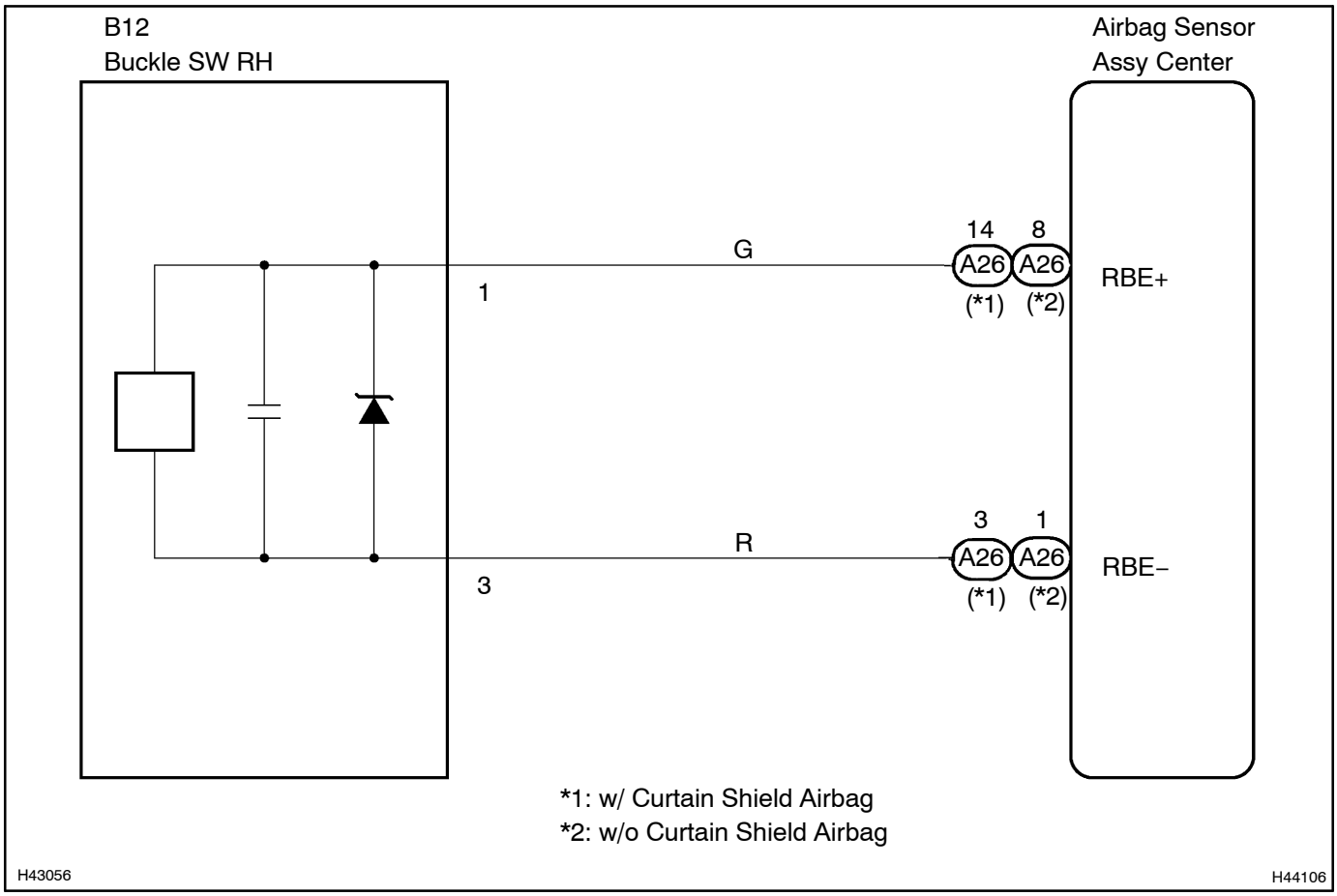
DTC	B0121/26	SEAT BELT BUCKLE SWITCH (RH) MALFUNCTION

CIRCUIT DESCRIPTION

The seat belt buckle switch RH circuit consists of the airbag sensor assy center and the front seat inner belt assy RH (seat belt buckle switch RH).
DTC B0121/26 is recorded when a malfunction is detected in the seat belt buckle switch RH circuit.

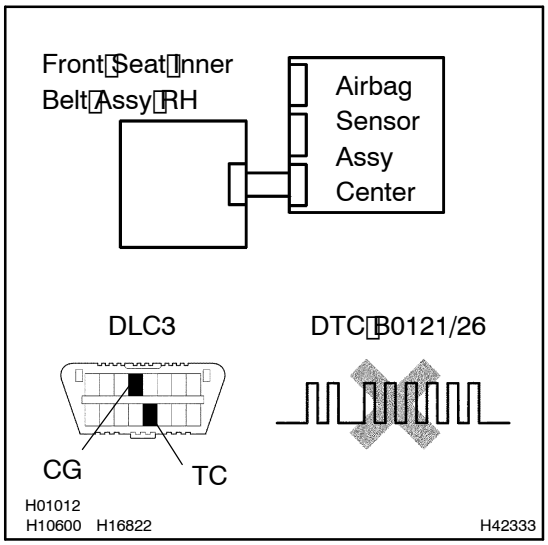
DTC No.	DTC Detecting Condition	Trouble Area
B0121/26	• Short circuit in front seat inner belt assy RH wire harness (to B+) • Short circuit in front seat inner belt assy RH wire harness (to ground) • Open circuit in RBE+ wire harness or RBE– wire harness of front seat inner belt assy RH • Front seat inner belt assy RH malfunction • Airbag sensor assy center malfunction	• Front seat inner belt assy RH (Seat belt buckle switch RH) • Airbag sensor assy center • Floor wire

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 05–513).
(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 05–513).

OK:

DTC B0121/26 is not output.

HINT:

Codes other than code B0121/26 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 RH.

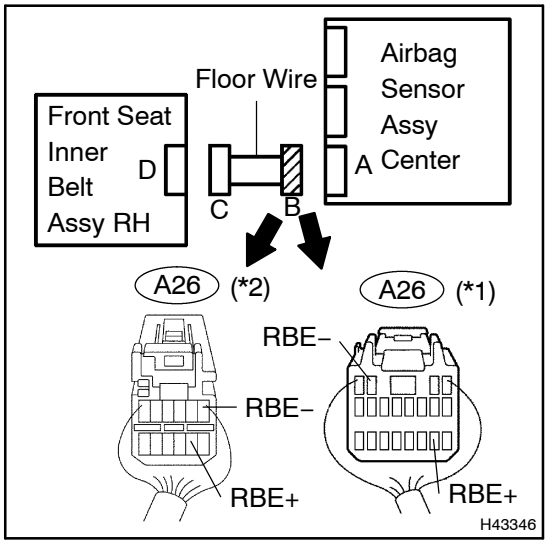
OK:

The connectors are connected.

NG	CONNECT CONNECTORS, THEN GO TO STEP 1

OK

3 CHECK FLOOR WIRE(SHORT)



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

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

Standard:

w/ Curtain shield airbag (*1):

Tester connection	Condition	Specified condition
A26–14 (RBE+) – A26–3 (RBE–)	Always	1 MΩ or Higher

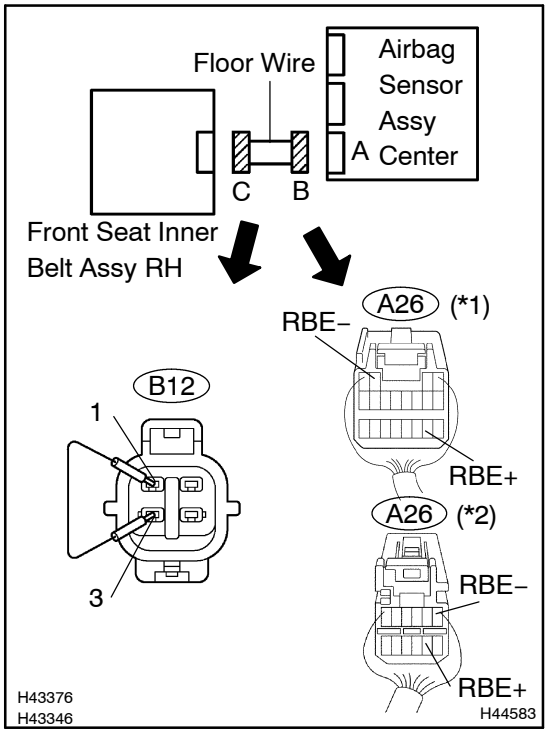
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A26–8 (RBE+) – A26–1 (RBE–)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

4 CHECK FLOOR WIRE(OPEN)



(a) Using a service wire, connect B12–1 and B12–3 of connector ”C”.

NOTICE:

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

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

Standard:

w/ Curtain shield airbag (*1):

Tester connection	Condition	Specified condition
A26–14 (RBE+) – A26–3 (RBE–)	Always	Below 1 Ω

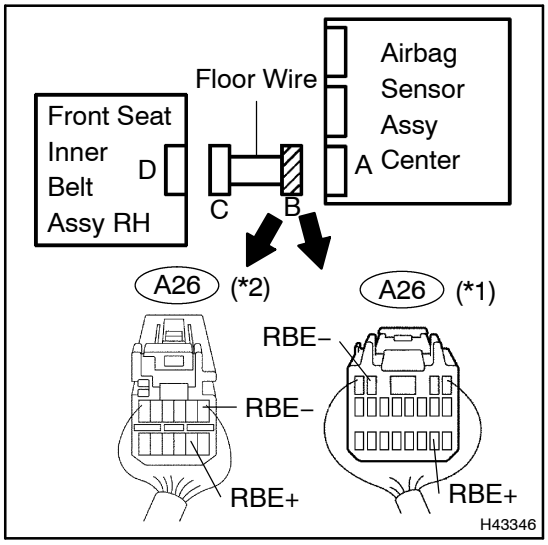
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A26–8 (RBE+) – A26–1 (RBE–)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

5 CHECK FLOOR WIRE(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
A26–14 (RBE+) – Body ground	Ignition switch ON	Below 1 V
A26–3 (RBE–) – Body ground	Ignition switch ON	Below 1 V

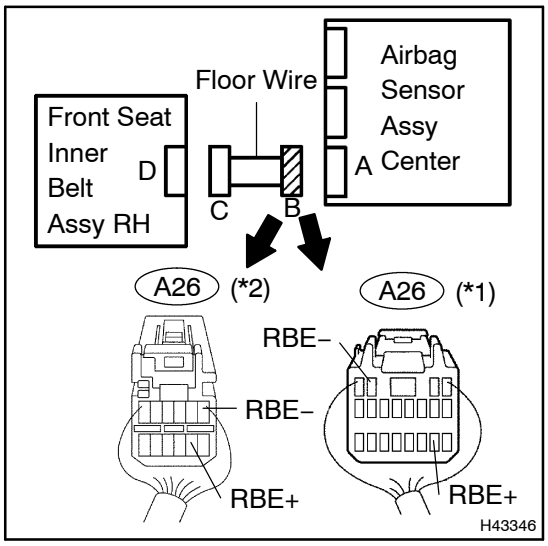
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A26–8 (RBE+) – Body ground	Ignition switch ON	Below 1 V
A26–1 (RBE–) – Body ground	Ignition switch ON	Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

6 CHECK FLOOR WIRE(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
A26–14 (RBE+) – Body ground	Always	1 MΩ or Higher
A26–3 (RBE–) – Body ground	Always	1 MΩ or Higher

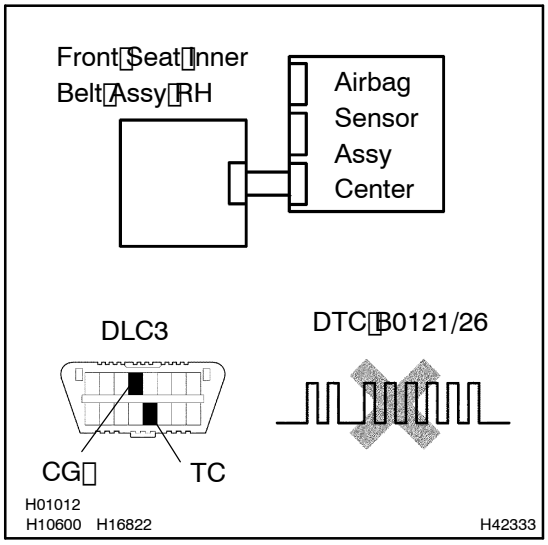
w/o Curtain shield airbag (*2):

Tester connection	Condition	Specified condition
A26–8 (RBE+) – Body ground	Always	1 MΩ or Higher
A26–1 (RBE–) – Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

7	CHECK FRONT SEAT INNER BELT ASSY RH



(a) Connect the connectors to the front seat inner belt assy RH 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 05–513).
(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 05–513).
OK:
DTC B0121/26 is not output.

HINT:
Codes other than code B0121/26 may be output at this time, but they are not related to this check.

NG	Go to step 8

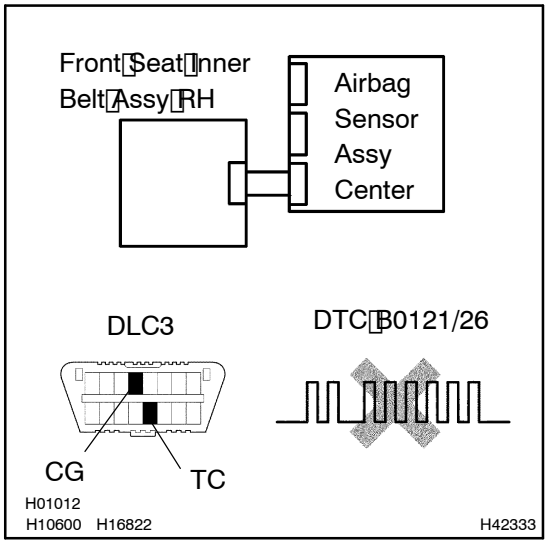
OK

USE SIMULATION METHOD TO CHECK

8	REPLACE FRONT SEAT INNER BELT ASSY RH

(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 RH (see page 72–10, 72–17).

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 05–513).
(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 05–513).
OK:
DTC B0121/26 is not output.

HINT:
Codes other than code B0121/26 may be output at this time, but they are not related to this check.

NG → **REPLACE AIR BAG SENSOR ASSY CENTER**

OK

USE SIMULATION METHOD TO CHECK