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

DTC	B0122/26	SEAT BELT BUCKLE SWITCH (RH) MALFUNCTION

CIRCUIT DESCRIPTION

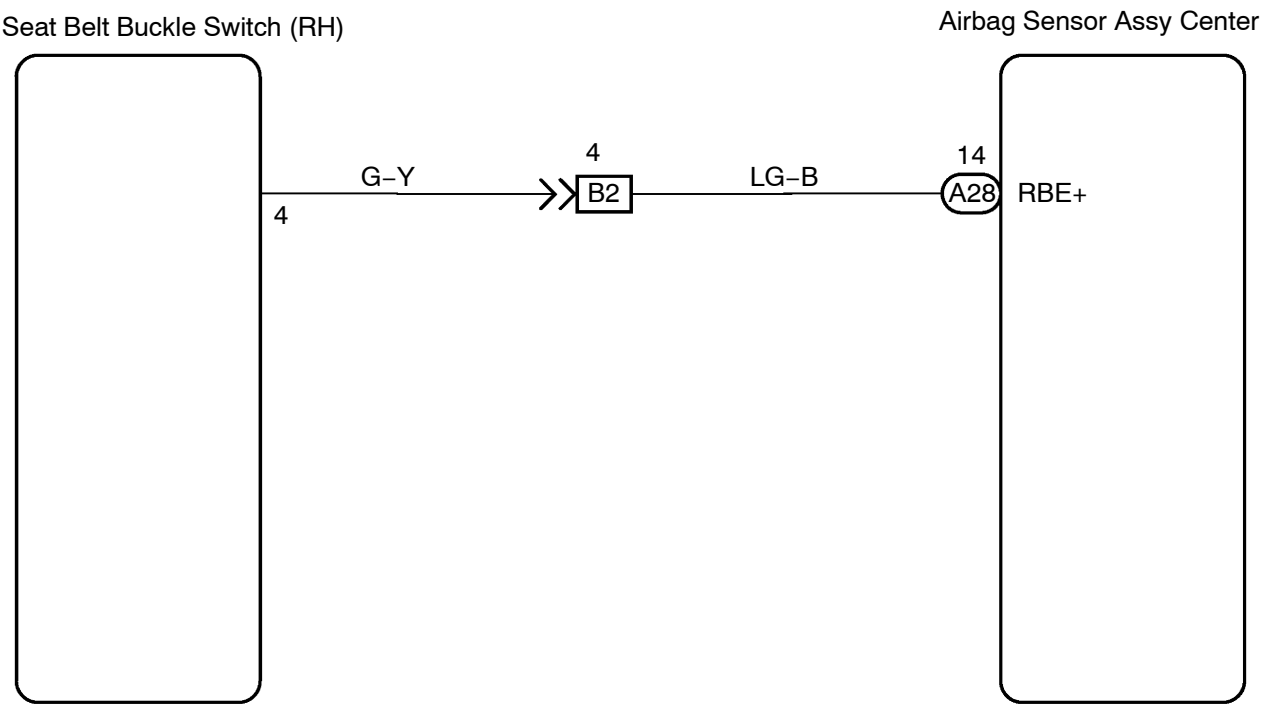
The seat belt buckle switch (RH) circuit consists of the airbag sensor assy center and front seat inner belt assy (RH).

DTC B0121/B0122/26 is recorded when a malfunction is detected in the seat belt buckle switch (RH) circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0121/B0122/26	• Short circuit in RBE+ wire harness (to ground) • Short circuit in RBE+ wire harness (to B+) • Open circuit in RBE+ wire harness • Front seat inner belt assy (RH) malfunction • Airbag sensor assy center malfunction	• Front seat inner belt assy (RH) • Airbag sensor assy center • Wire harness

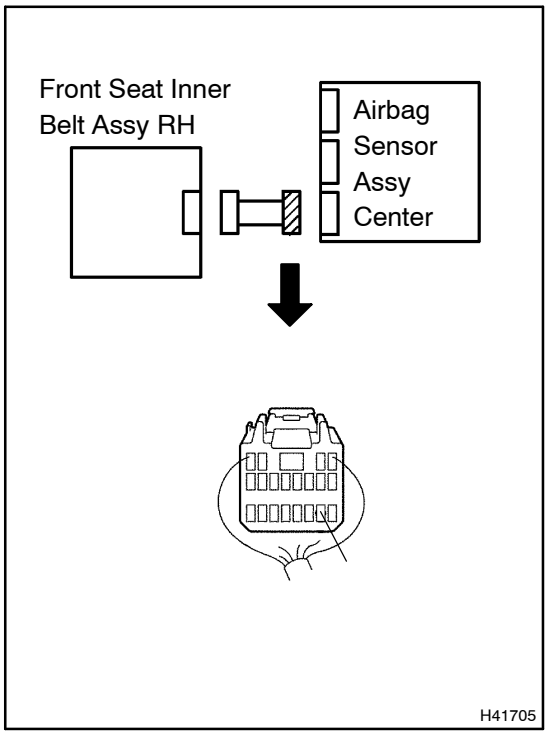
WIRING DIAGRAM

RHD:



INSPECTION PROCEDURE

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

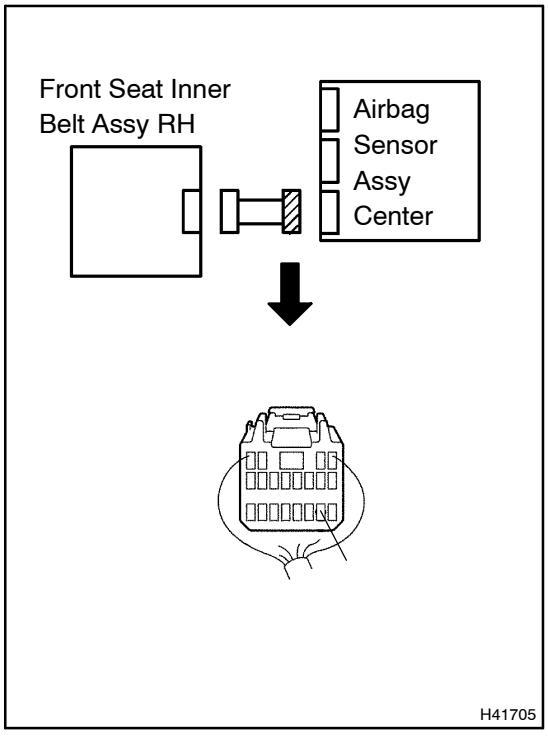


(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connector between the airbag sensor assy center and the front seat inner belt assy (RH).
(c) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center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

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

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

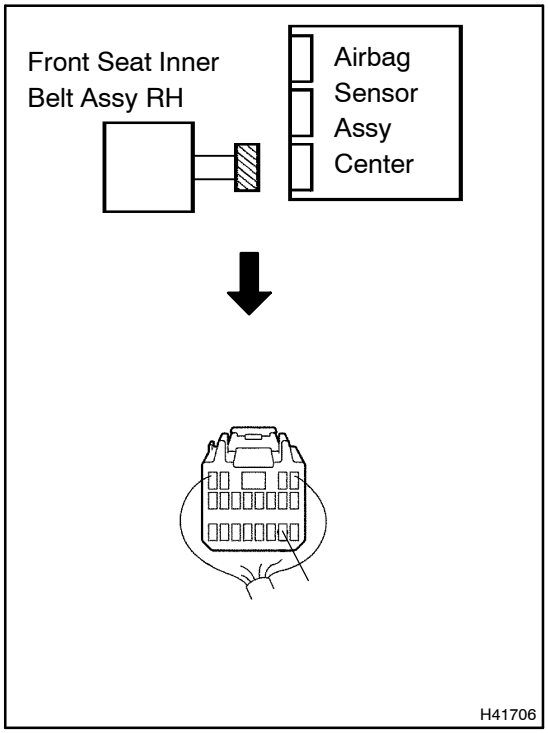


(a) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(b) Turn the ignition switch to ON.
(c) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the front seat inner belt assy (RH), measure the voltage between RBE+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

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

3 CHECK FRONT SEAT INNER BELT ASSY RH

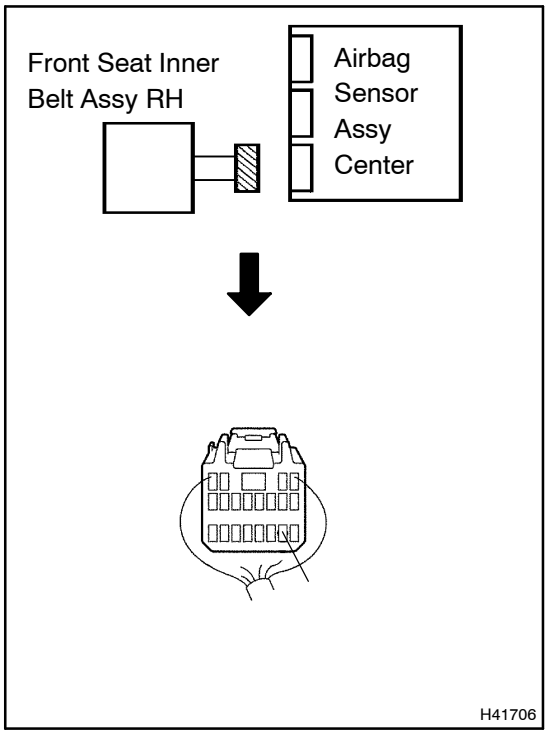


(a) Turn the ignition switch to LOCK.
(b) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(c) Connect the connector of the front seat inner belt assy (RH).
(d) Unlock the seat belt for the front seat RH.
(e) For the connector (on the airbag sensor assy center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

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

OK

4 CHECK FRONT SEAT INNER BELT ASSY RH



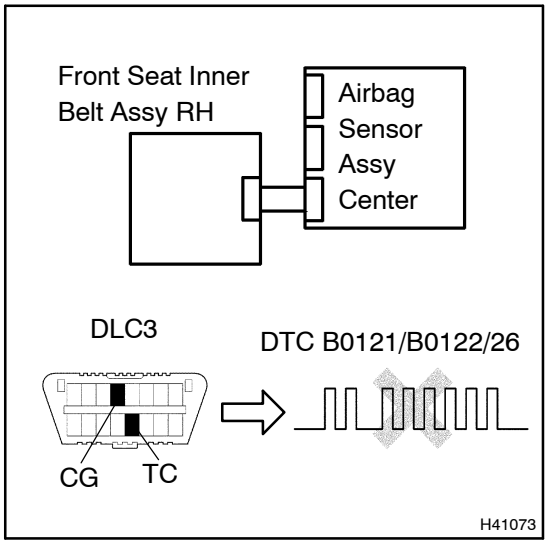
(a) Lock the seat belt for the front seat RH.
(b) For the connector (on the airbag sensor assy center side), measure the resistance between RBE+ and body ground.
OK:
Resistance: 100 Ω – 500 Ω

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

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 B0121/B0122/26 is not output.

HINT:
Codes other than code B0121/B0122/26 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