

|            |                 |   |
|------------|-----------------|---|
| <b>DTC</b> | <b>B0126/27</b> | <b>SEAT BELT BUCKLE SWITCH (LH)<br/>MALFUNCTION</b> |
|------------|-----------------|---|

|            |                 |   |
|------------|-----------------|---|
| <b>DTC</b> | <b>B0127/27</b> | <b>SEAT BELT BUCKLE SWITCH (LH)<br/>MALFUNCTION</b> |
|------------|-----------------|---|

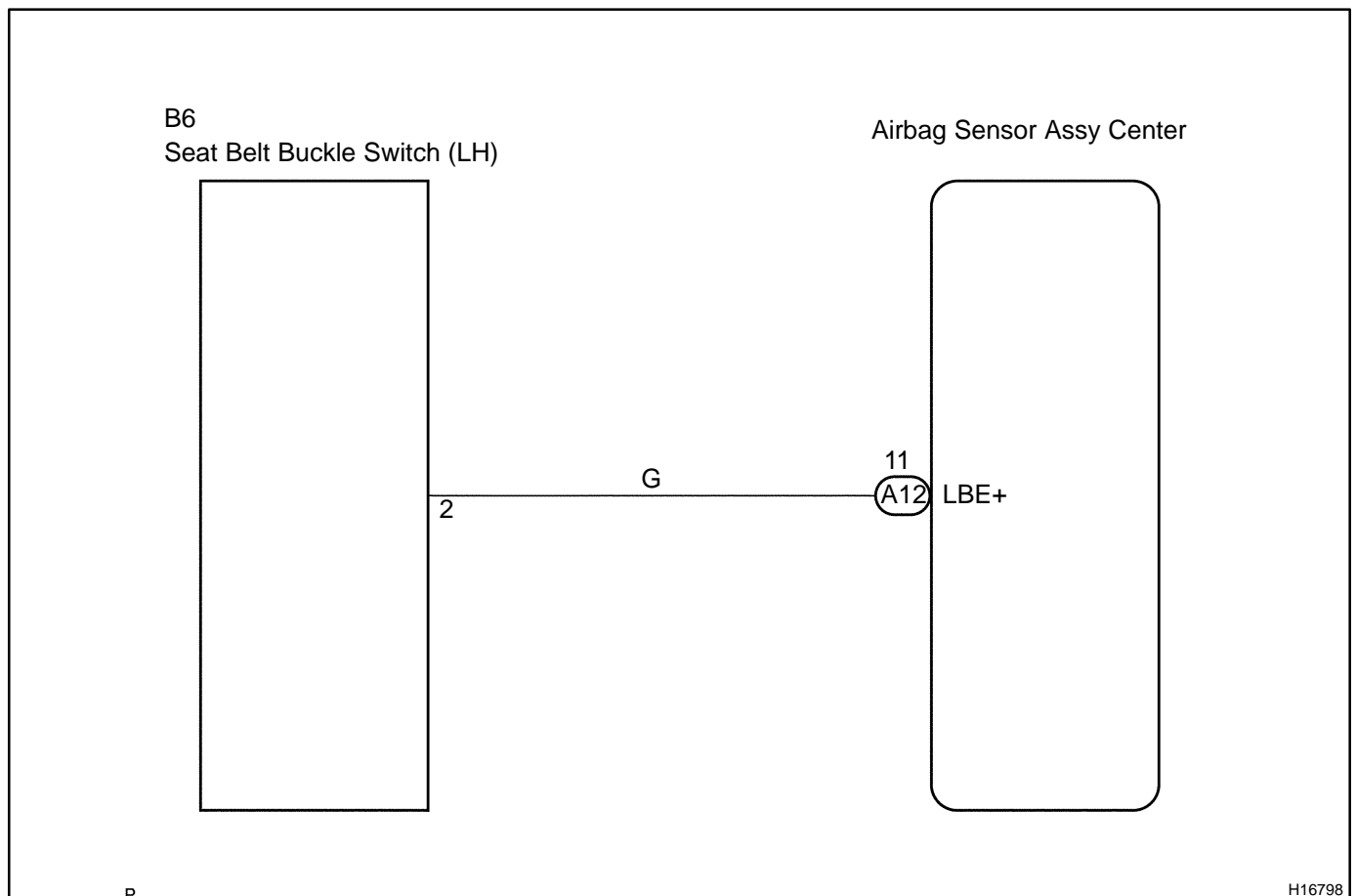
**CIRCUIT DESCRIPTION**

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

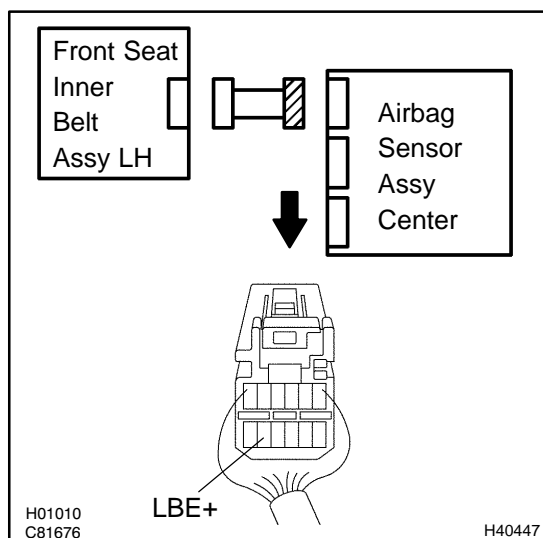
DTC B0126/B0127/27 is recorded when a malfunction is detected in the seat belt buckle switch (LH) circuit.

| DTC No.        | DTC Detecting Condition   | Trouble Area   |
|----------------|---|--|
| B0126/B0127/27 | <ul style="list-style-type: none"> <li>• Short circuit in LBE+ wire harness (to ground)</li> <li>• Short circuit in LBE+ wire harness (to B+)</li> <li>• Open circuit in LBE+ wire harness</li> <li>• Front seat inner belt assy (LH) malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul> | <ul style="list-style-type: none"> <li>• Front seat inner belt assy (LH)</li> <li>• Airbag sensor assy center</li> <li>• Instrument panel wire No.3</li> </ul> |

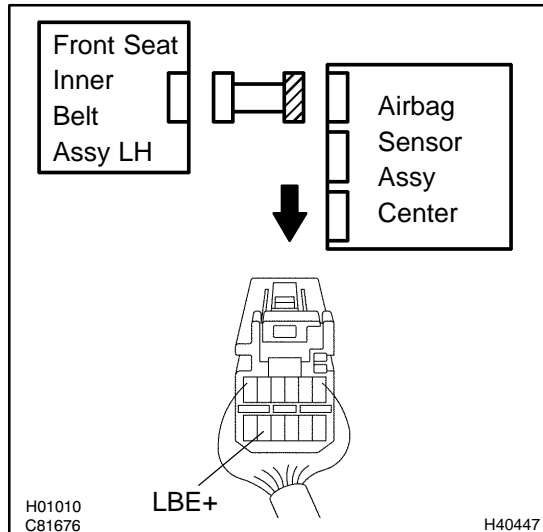
**WIRING DIAGRAM**



## INSPECTION PROCEDURE

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

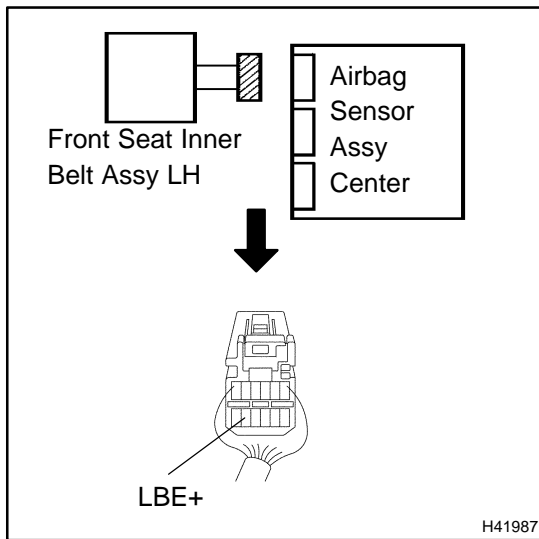
- (a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
- (b) Disconnect the connectors between the airbag sensor assy center and the front seat inner belt assy (LH).
- (c) For the connector (on the airbag sensor assy center side) between the airbag sensor 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 INSTRUMENT PANEL WIRE NO.3 (AIRBAG SENSOR ASSY CENTER – FRONT SEAT INNER BELT ASSY LH)****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 INSTRUMENT PANEL WIRE NO.3 (AIRBAG SENSOR ASSY CENTER – FRONT SEAT INNER BELT ASSY LH)****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 driver's seat.
- (e) For the connector (on the airbag sensor assy center side), measure the resistance between LBE+ and body ground.

**OK:**

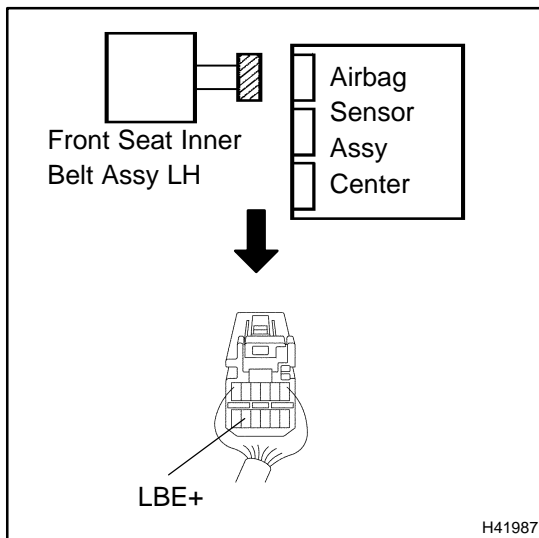
**Resistance: 1.0 kΩ – 1.6 kΩ**

**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 driver's seat.
- (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**

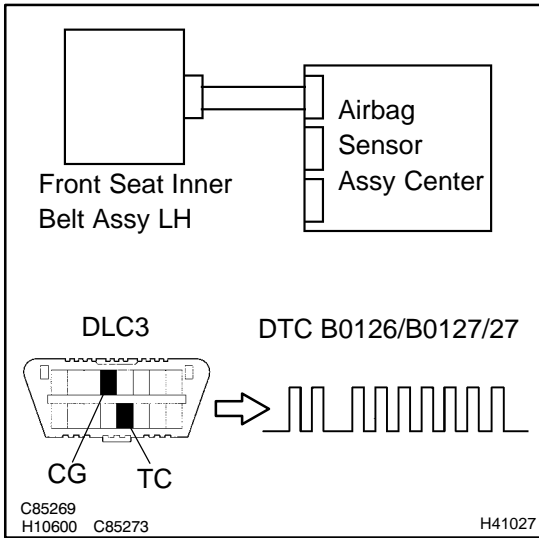
**NG**

**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 05-424).
- (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 05-424).

**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**