

DTC	B1653/49	Short to B+ in Driver Side Knee Airbag Squib Circuit
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DESCRIPTION

The driver side knee airbag squib circuit consists of the center airbag sensor assembly and the driver side knee airbag assembly.

The circuit instructs the SRS to deploy when deployment conditions are met.

DTC B1653/49 is recorded a when short to B+ is detected in the driver side knee airbag squib circuit.

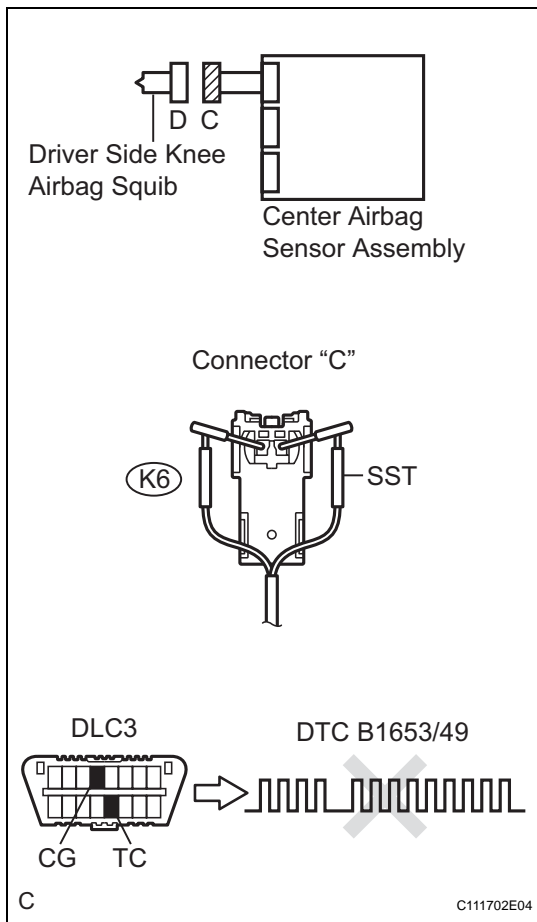
DTC No.	DTC Detecting Condition	Trouble Area
B1653/49	<ul style="list-style-type: none"> Short circuit in driver side knee airbag squib wire harness (to B+) Driver side knee airbag squib malfunction Center airbag sensor assembly malfunction 	<ul style="list-style-type: none"> Driver side knee airbag assembly (Driver side knee airbag squib) Center airbag sensor assembly Floor wire No.2

RS

WIRING DIAGRAM

See page [RS-271](#).

1 CHECK DRIVER SIDE KNEE AIRBAG ASSEMBLY (DRIVER SIDE KNEE AIRBAG SQUIB)



- (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) Disconnect the connectors from the driver side knee airbag assembly.
- (d) Connect the white wire side of SST (resistance 2.1 Ω) to the floor wire No.2.

CAUTION:

Never connect a tester to the driver side knee airbag assembly (Driver side knee airbag squib) for measurement, as this may lead to a serious injury due to airbag deployment.

NOTICE:

Do not forcibly insert the SST into the terminals of the connector when connecting. Insert the SST straight into the terminals of the connector.

SST 09843-18060

- (e) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (g) Clear the DTCs stored in memory (See page [RS-32](#)).
- (h) Turn the ignition switch to the LOCK position.
- (i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (j) Check the DTCs (See page [RS-32](#)).

OK:

DTC B1653/49 is not output.

HINT:

Codes other than DTC B1653/49 may be output at this time, but they are not related to this check.

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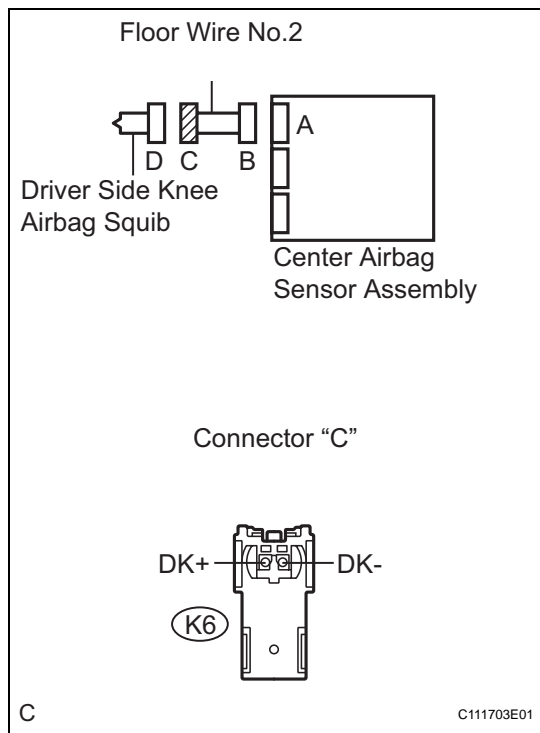
Go to step 2

OK

REPLACE DRIVER SIDE KNEE AIRBAG ASSEMBLY

2 CHECK FLOOR WIRE NO.2 (DRIVER SIDE KNEE AIRBAG SQUIB CIRCUIT)

RS



- (a) Disconnect the connector from the center airbag sensor assembly.
- (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.

Voltage

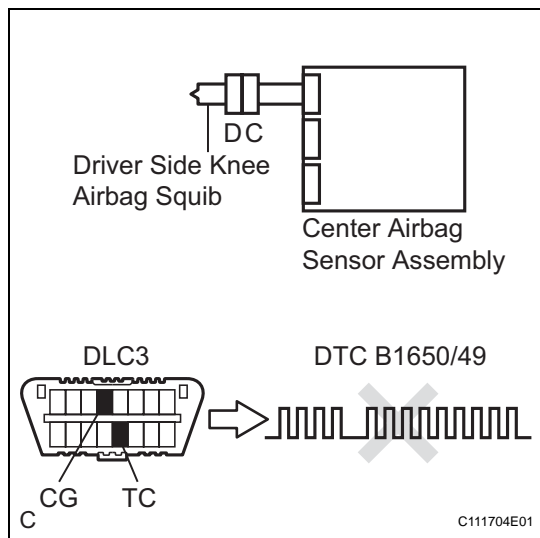
Tester connection	Condition	Specified condition
K6-1 (DK+) - Body ground	Ignition switch ON	Below 1 V
K6-2 (DK-) - Body ground	Ignition switch ON	Below 1 V

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REPAIR OR REPLACE FLOOR WIRE NO.2

OK

3 REPLACE CENTER AIRBAG SENSOR ASSEMBLY



- (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) Connect the connectors to the driver side knee airbag assembly and the center airbag sensor assembly.
- (d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (f) Clear the DTCs stored in memory (See page RS-32).
- (g) Turn the ignition switch to the LOCK position.
- (h) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (i) Check the DTCs (See page RS-32).

OK:

DTC B1653/49 is not output.

HINT:

Codes other than DTC B1653/49 may be output at this time, but they are not related to this check.

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**REPLACE CENTER AIRBAG SENSOR
ASSEMBLY**

OK

USE SIMULATION METHOD TO CHECK

RS