DTC	B1185/57	Short in Front Passenger Side Squib 2nd Step Circuit

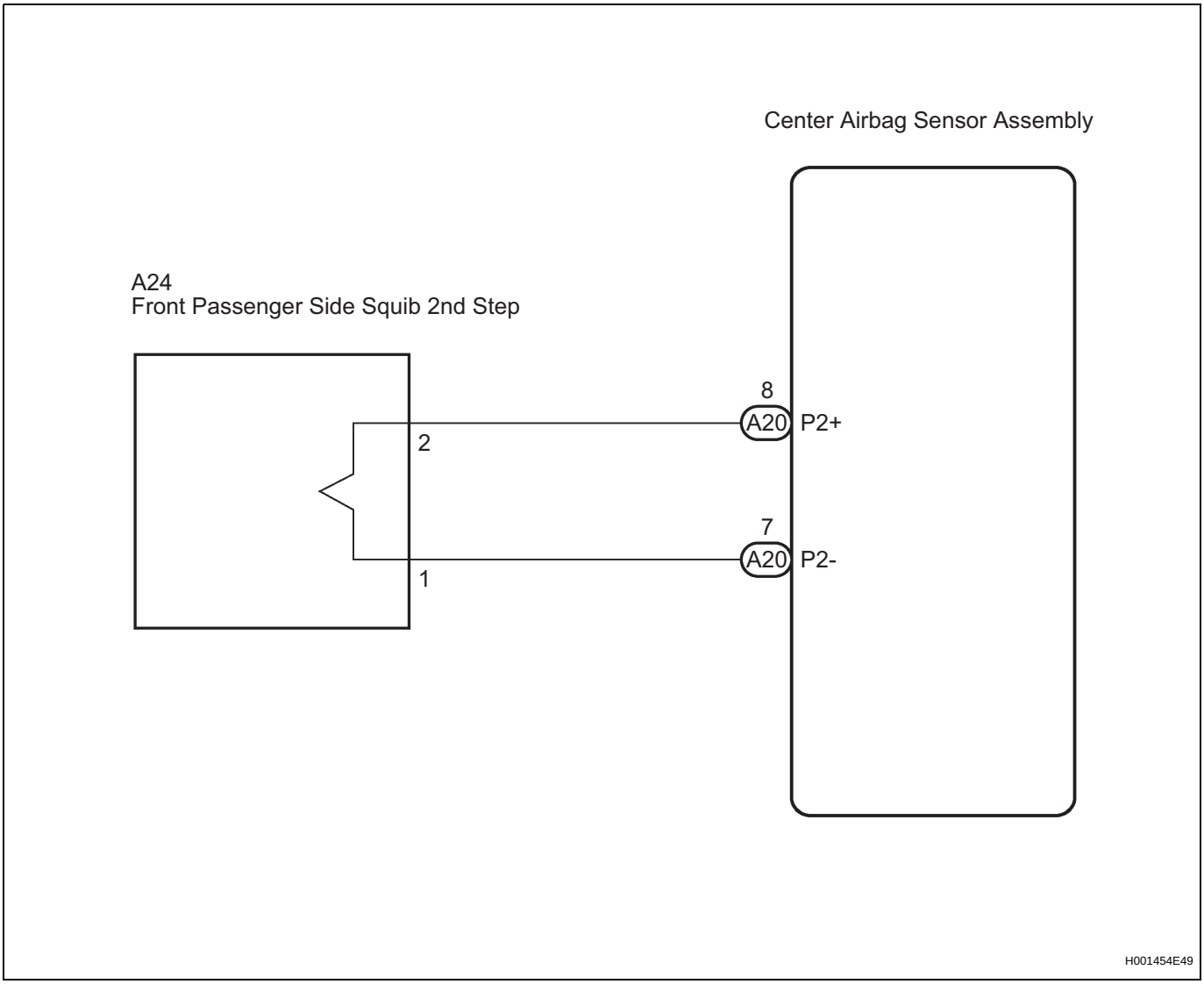
DESCRIPTION

The front passenger side squib 2nd step circuit consists of the center airbag sensor assembly and the front passenger airbag assembly.
The circuit instructs the SRS to deploy when deployment conditions are met.
DTC B1185/57 is recorded when a short circuit is detected in the front passenger side squib 2nd step circuit.

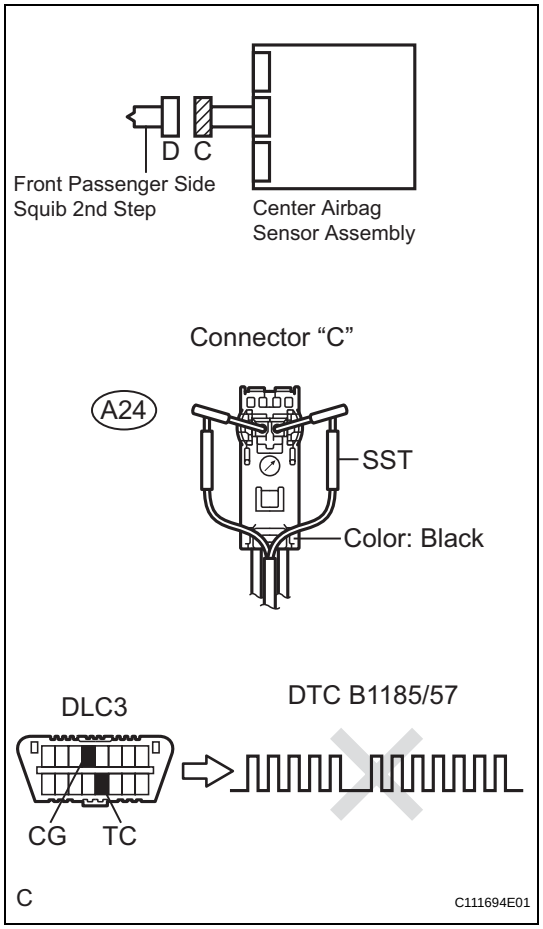
DTC No.	DTC Detecting Condition	Trouble Area
B1185/57	• Short circuit between P2+ wire harness and P2- wire harness of passenger side squib 2nd step • Passenger side squib 2nd step malfunction • Center airbag sensor assembly malfunction	• Front passenger airbag assembly (Passenger side squib 2nd step) • Center airbag sensor assembly • Instrument panel wire

RS

WIRING DIAGRAM



1	CHECK FRONT PASSENGER AIRBAG ASSEMBLY (PASSENGER SIDE SQUIB 2ND STEP)



(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 front passenger airbag assembly.
(d) Connect the white wire side of SST (resistance 2.1 Ω) to the instrument panel wire.
CAUTION:
Never connect a tester to the front passenger airbag assembly (Front passenger side squib 2nd step) 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 B1185/57 is not output.
HINT:
Codes other than DTC B1185/57 may be output at this time, but they are not related to this check.

NG → **Go to step 2**

OK

REPLACE FRONT PASSENGER AIRBAG ASSEMBLY

2	CHECK 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) Disconnect the SST (resistance 2.1 Ω) from the instrument panel wire.
(d) Check that the instrument panel wire connectors (on the front passenger airbag assembly side) are not damaged.

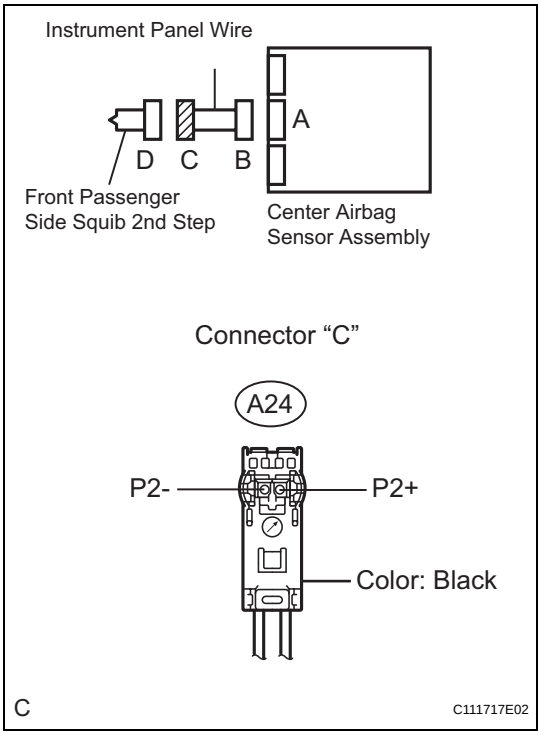
OK:

The lock button is not disengaged, and the claw of the lock is not deformed or damaged.

NG → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

3 CHECK INSTRUMENT PANEL WIRE (FRONT PASSENGER SIDE SQUIB 2ND STEP CIRCUIT)



(a) Disconnect the connector from the center airbag sensor assembly.
(b) Release the activation prevention mechanism built into connector "B" (See page RS-25).
(c) Measure the resistance according to the value(s) in the table below.

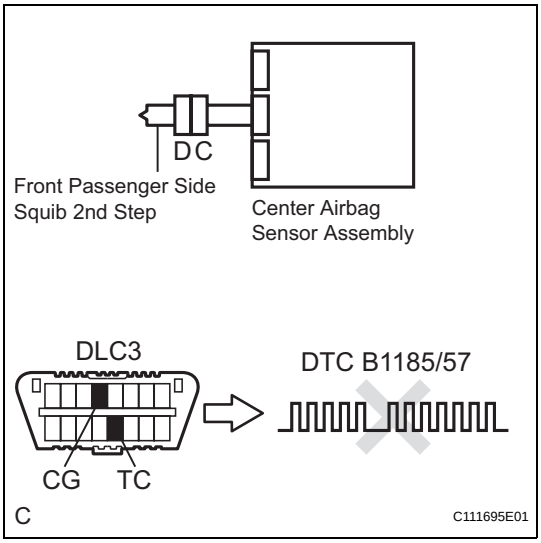
Resistance

Tester connection	Condition	Specified condition
A24-2 (P2+) - A24-1 (P2-)	Always	1 MΩ or higher

NG → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

4 CHECK CENTER AIRBAG SENSOR ASSEMBLY



(a) Connect the connectors to the front passenger airbag assembly and 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, and wait for at least 60 seconds.
(d) Clear the DTCs stored in memory (See page RS-32).
(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 RS-32).

OK:

DTC B1185/57 is not output.

HINT:

Codes other than DTC B1185/57 may be output at this time, but they are not related to this check.

NG → REPLACE CENTER AIRBAG SENSOR ASSEMBLY

OK

USE SIMULATION METHOD TO CHECK