DTC	B1905/74	Short in Front Passenger Side Pretensioner Squib Circuit

DTC	B1906/74	Open in Front Passenger Side Pretensioner Squib Circuit

DTC	B1907/74	Short to GND in Front Passenger Side Pretensioner Squib Circuit

DTC	B1908/74	Short to B+ in Front Passenger Side Front Pretensioner Squib Circuit

DESCRIPTION

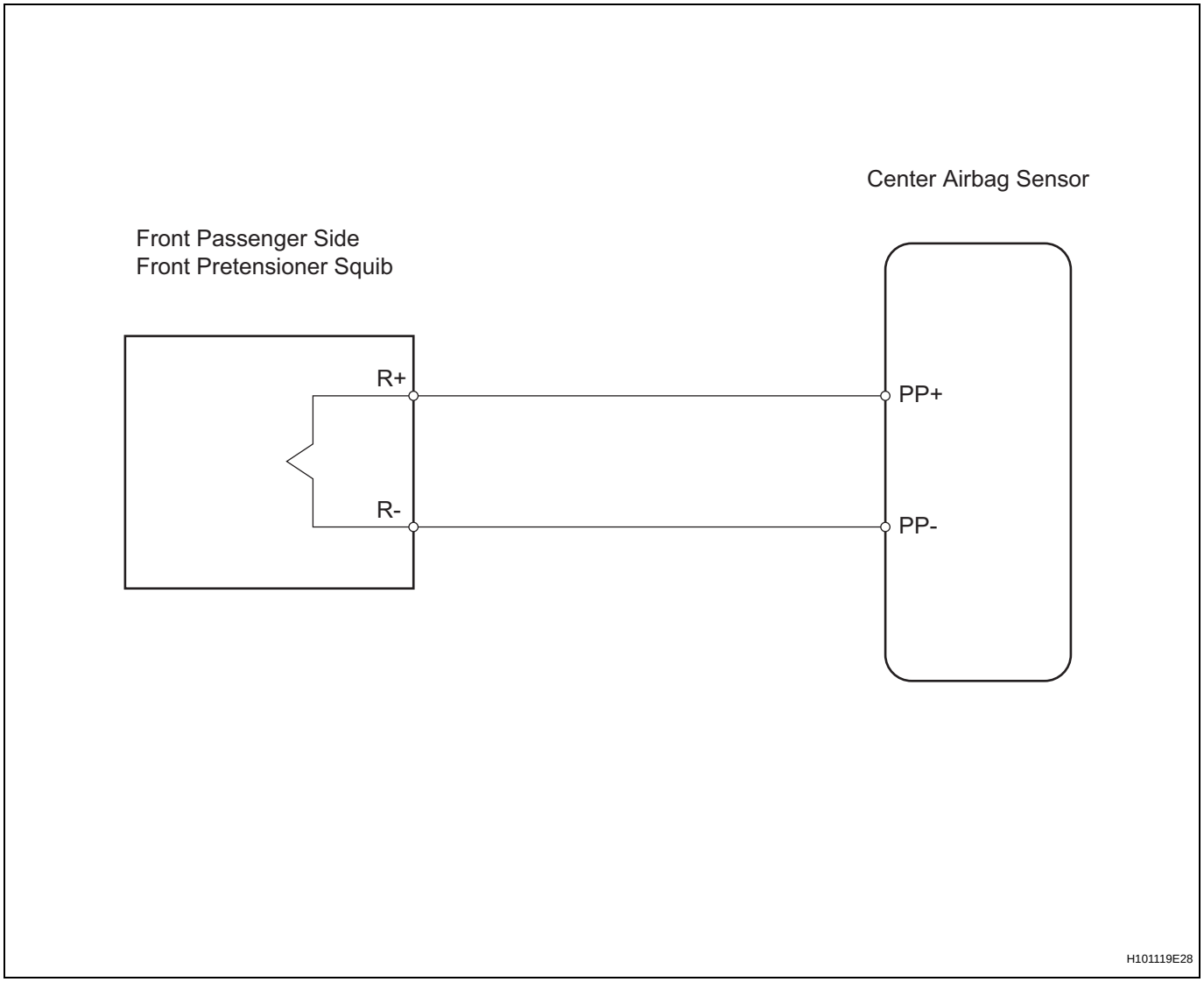
The front passenger side front pretensioner squib circuit consists of the center airbag sensor and the front seat outer belt RH.

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

These DTCs are recorded when a malfunction is detected in the front passenger side front pretensioner squib circuit.

DTC No.	DTC Detection Condition	Trouble Area
B1905/74	Center airbag sensor receives a line short signal 5 times in the front passenger side front pretensioner squib circuit during primary check.	• No. 2 floor wire • Front seat outer belt RH (Front passenger side front pretensioner squib) • Center airbag sensor
B1906/74	Center airbag sensor receives an open signal in the front passenger side front pretensioner squib circuit for 2 seconds.	• No. 2 floor wire • Front seat outer belt RH (Front passenger side front pretensioner squib) • Center airbag sensor
B1907/74	Center airbag sensor receives a short to ground signal in the front passenger side front pretensioner squib circuit for 0.5 seconds.	• No. 2 floor wire • Front seat outer belt RH (Front passenger side front pretensioner squib) • Center airbag sensor
B1908/74	Center airbag sensor receives a short to B+ signal in the front passenger side front pretensioner squib circuit for 0.5 seconds.	• No. 2 floor wire • Front seat outer belt RH (Front passenger side front pretensioner squib) • Center airbag sensor

WIRING DIAGRAM



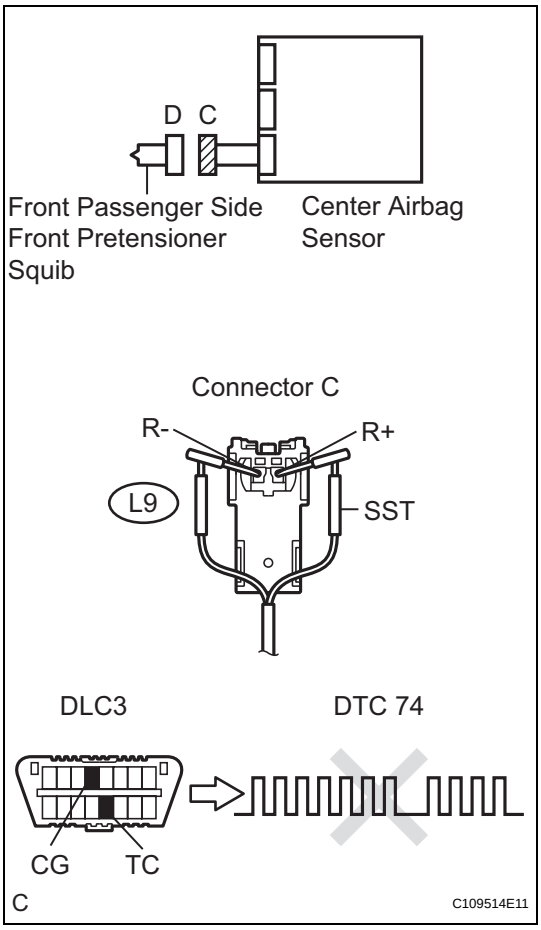
RS

INSPECTION PROCEDURE

HINT:

- Perform the simulation method by selecting the "CHECK MODE" (signal check) with the intelligent tester (see page RS-52).
- After selecting the "CHECK MODE" (signal check), perform the simulation method by wiggling each connector of the airbag system or driving the vehicle on a city or rough road (see page RS-52).

1	CHECK FRONT SEAT OUTER BELT ASSEMBLY RH (FRONT PASSENGER SIDE FRONT PRETENSIONER SQUIB)



(a) Turn the ignition switch OFF.
(b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
(c) Disconnect the connectors from the front seat outer belt RH.
(d) Connect the white wire side of SST to connector C.
CAUTION:
Never connect a tester to the front seat outer belt RH (front passenger side front pretensioner squib) for measurement, as this may lead to a serious injury due to airbag deployment.
NOTICE:
- **Do not forcibly insert SST into the terminals of the connector when connecting.**
- **Insert SST straight into the terminals of the connector.**

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(e) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
(f) Turn the ignition switch ON, and wait for at least 60 seconds.
(g) Clear the DTCs (see page RS-49).
(h) Turn the ignition switch OFF.
(i) Turn the ignition switch ON, and wait for at least 60 seconds.
(j) Check the DTCs (see page RS-49).
OK:
DTC B1905, B1906, B1907, B1908 or 74 is not output.
HINT:
DTCs other than DTC B1905, B1906, B1907, B1908 or 74 may be output at this time, but they are not related to this check.

OK → **REPLACE FRONT SEAT OUTER BELT ASSEMBLY RH**

NG

2	CHECK CONNECTOR

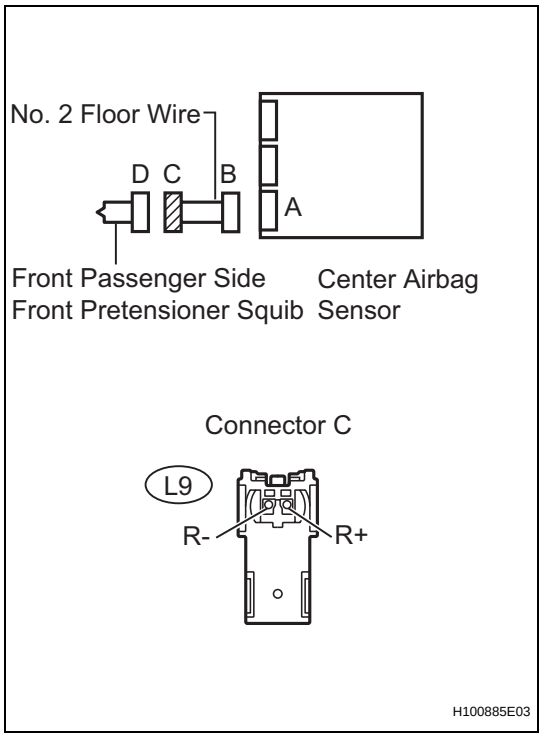
(a) Turn the ignition switch OFF.
(b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
(c) Disconnect SST from connector C.
(d) Check that the floor wire connector (on the front seat outer belt RH side) is not damaged.
OK:
Lock button is not disengaged, or the claw of the lock is not deformed or damaged.

RS

NG → REPAIR OR REPLACE NO. 2 FLOOR WIRE

OK

3	CHECK FLOOR WIRE (FRONT PASSENGER SIDE FRONT PRETENSIONER SQUIB CIRCUIT)



(a) Disconnect the connectors from the center airbag sensor.
(b) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
(c) Measure the voltage of the wire harness side connector.
Standard voltage

Tester Connection	Specified Condition
L9-1 (R+) - Body ground	Below 1 V
L9-2 (R-) - Body ground	Below 1 V

(d) Turn the ignition switch OFF.
(e) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
(f) Measure the resistance of the wire harness side connector.
Standard resistance

Tester Connection	Specified Condition
L9-1 (R+) - L9-2 (R-)	Below 1 Ω
L9-1 (R+) - Body ground	1 MΩ or higher
L9-2 (R-) - Body ground	1 MΩ or higher

(g) Release the activation prevention mechanism built into connector B (see page RS-37).
(h) Measure the resistance of the wire harness side connector.
Standard resistance

Tester Connection	Specified Condition
L9-1 (R+) - L9-2 (R-)	1 MΩ or higher

NG → REPAIR OR REPLACE NO. 2 FLOOR WIRE

OK

REPLACE CENTER AIRBAG SENSOR ASSEMBLY

RS