

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 Pretensioner Squib Circuit

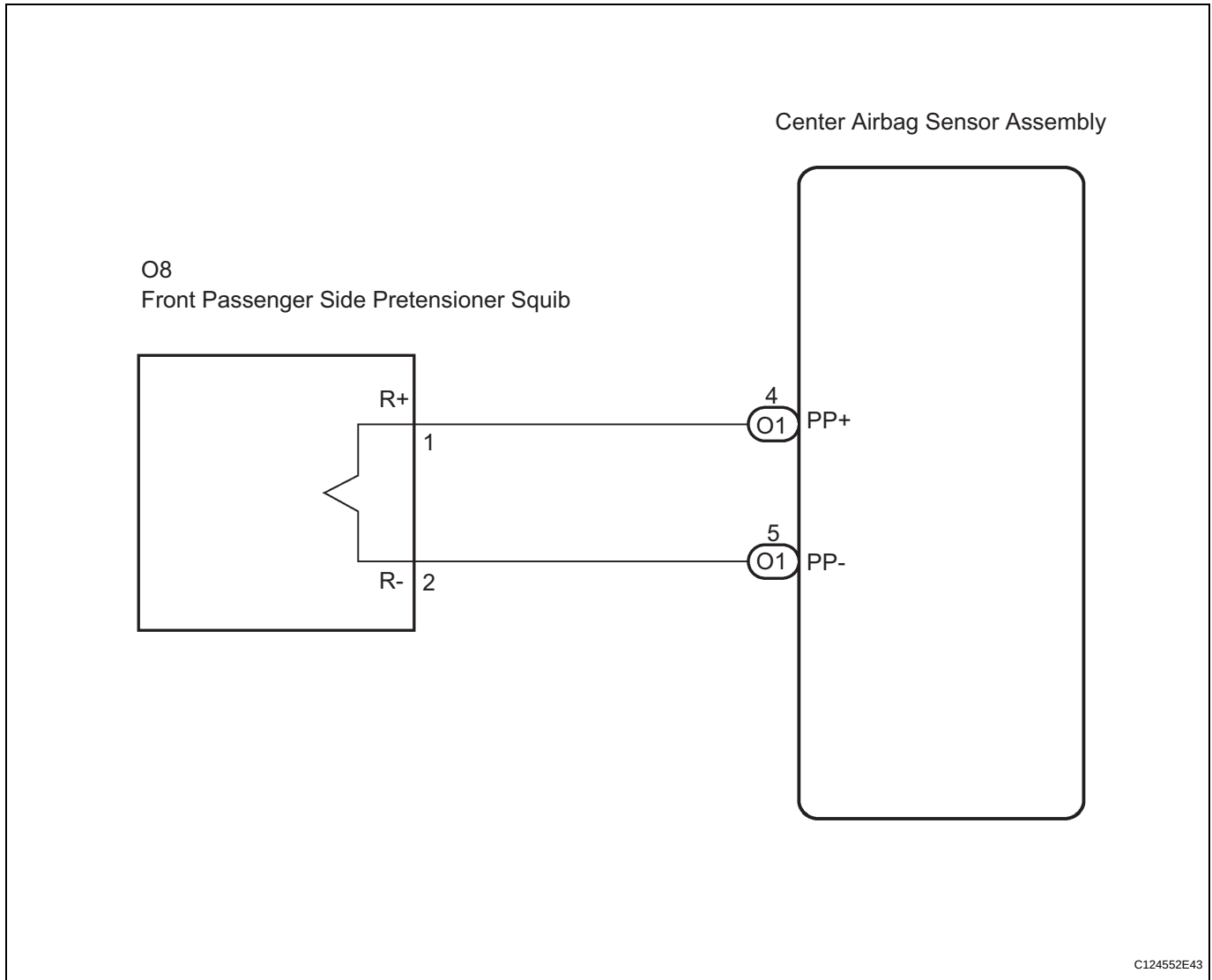
DESCRIPTION

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

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

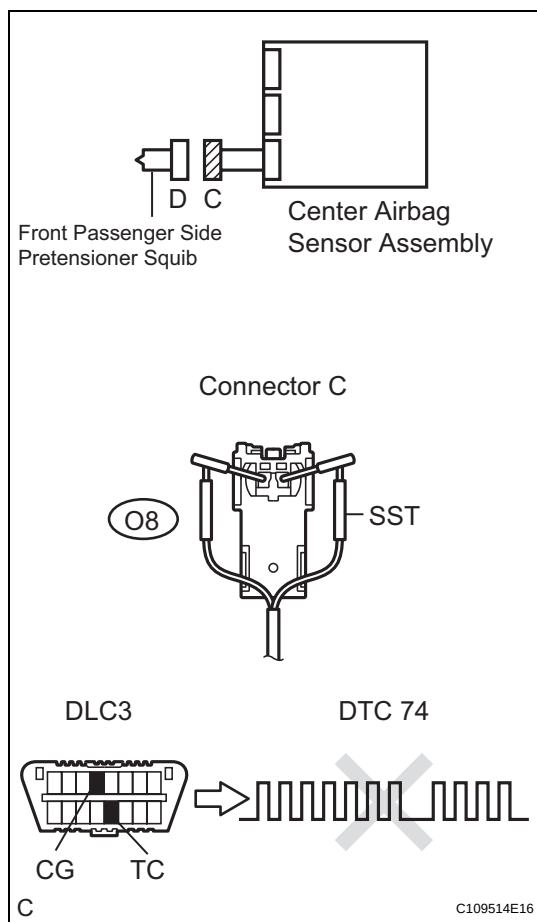
These DTCs are recorded when a malfunction is detected in the front passenger side front pretensioner squib circuit.

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

WIRING DIAGRAM**INSPECTION PROCEDURE****HINT:**

- Perform the simulation method by selecting "check mode" (signal check) with the intelligent tester (See page [RS-44](#)).
- After selecting "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-44](#)).

1

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

- (a) Turn the power switch off.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the front seat outer belt assembly RH.
- (d) Connect the white wire side of SST (resistance 2.1 Ω) to connector C.

CAUTION:

Never connect the tester to the front seat outer belt assembly RH (front passenger side pretensioner 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 straight the SST into the terminals of the connector.

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- (e) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (f) Turn the power switch on (IG), and wait for at least 60 seconds.
- (g) Clear the DTCs stored in the memory (See page RS-41).
- (h) Turn the power switch off.
- (i) Turn the power switch on (IG), and wait for at least 60 seconds.
- (j) Check the DTCs (See page RS-41).

OK:

DTC B1905, B1906, B1907, B1908, or 74 is not output.

HINT:

Codes other than DTC B1905, B1906, B1907, B1908, and 74 may be output at this time, but they are not related to this check.

OK

REPLACE FRONT SEAT OUTER BELT ASSEMBLY RH (See page SB-21)

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2

CHECK CONNECTOR

- (a) Turn the power switch off.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the SST from connector C.
- (d) Check that the floor wire No. 2 connector (on the front seat outer belt assembly RH side) is not damaged.

OK:

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

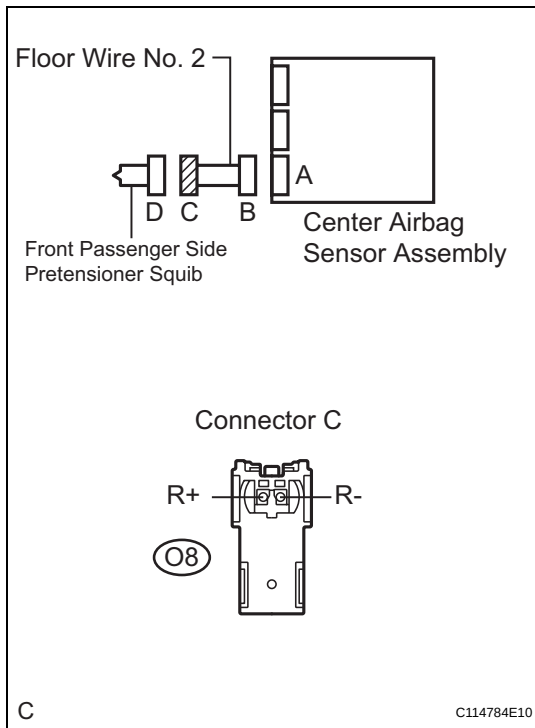
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REPAIR OR REPLACE FLOOR WIRE NO. 2

OK

3

CHECK FLOOR WIRE NO. 2 (FRONT PASSENGER SIDE PRETENSIONER SQUIB CIRCUIT)



- (a) Disconnect the connectors from the center airbag sensor assembly.
- (b) Check for a short to B+ in the circuit.
 - (1) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
 - (2) Turn the power switch on (IG).
 - (3) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection	Condition	Specified Condition
O8-1 (R+) - Body ground	Power switch on (IG)	Below 1 V
O8-2 (R-) - Body ground	Power switch on (IG)	Below 1 V

- (c) Check for an open in the circuit.
 - (1) Turn the power switch off.
 - (2) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
 - (3) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
O8-1 (R+) - O8-2 (R-)	Always	Below 1 Ω

- (d) Check for a short to ground in the circuit.
 - (1) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
O8-1 (R+) - Body ground	Always	1 M Ω or higher
O8-2 (R-) - Body ground	Always	1 M Ω or higher

- (e) Check for a short in the circuit.
 - (1) Release the activation prevention mechanism built into connector B (See page RS-33).
 - (2) Measure the resistance according to the value(s) in the table below.

Standard resistance

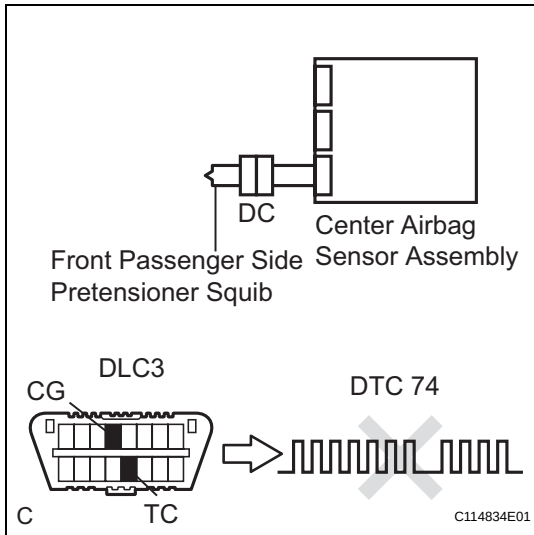
Tester Connection	Condition	Specified Condition
O8-1 (R+) - O8-2 (R-)	Always	1 M Ω or higher

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REPAIR OR REPLACE FLOOR WIRE NO. 2

RS

OK

4 CHECK CENTER AIRBAG SENSOR ASSEMBLY

- Connect the connectors to the front seat outer belt assembly RH and the center airbag sensor assembly.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the power switch on (IG), and wait for at least 60 seconds.
- Clear the DTCs stored in the memory (See page [RS-41](#)).
- Turn the power switch off.
- Turn the power switch on (IG), and wait for at least 60 seconds.
- Check the DTCs (See page [RS-41](#)).

OK:

DTC B1905, B1906, B1907, B1908, or 74 is not output.

HINT:

Codes other than DTC B1905, B1906, B1907, B1908, and 74 may be output at this time, but they are not related to this check.

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REPLACE CENTER AIRBAG SENSOR ASSEMBLY (See page [RS-423](#))

OK

USE SIMULATION METHOD TO CHECK (See page [RS-33](#))