

DTC	B1153/25	SEAT POSITION AIRBAG SENSOR MALFUNCTION
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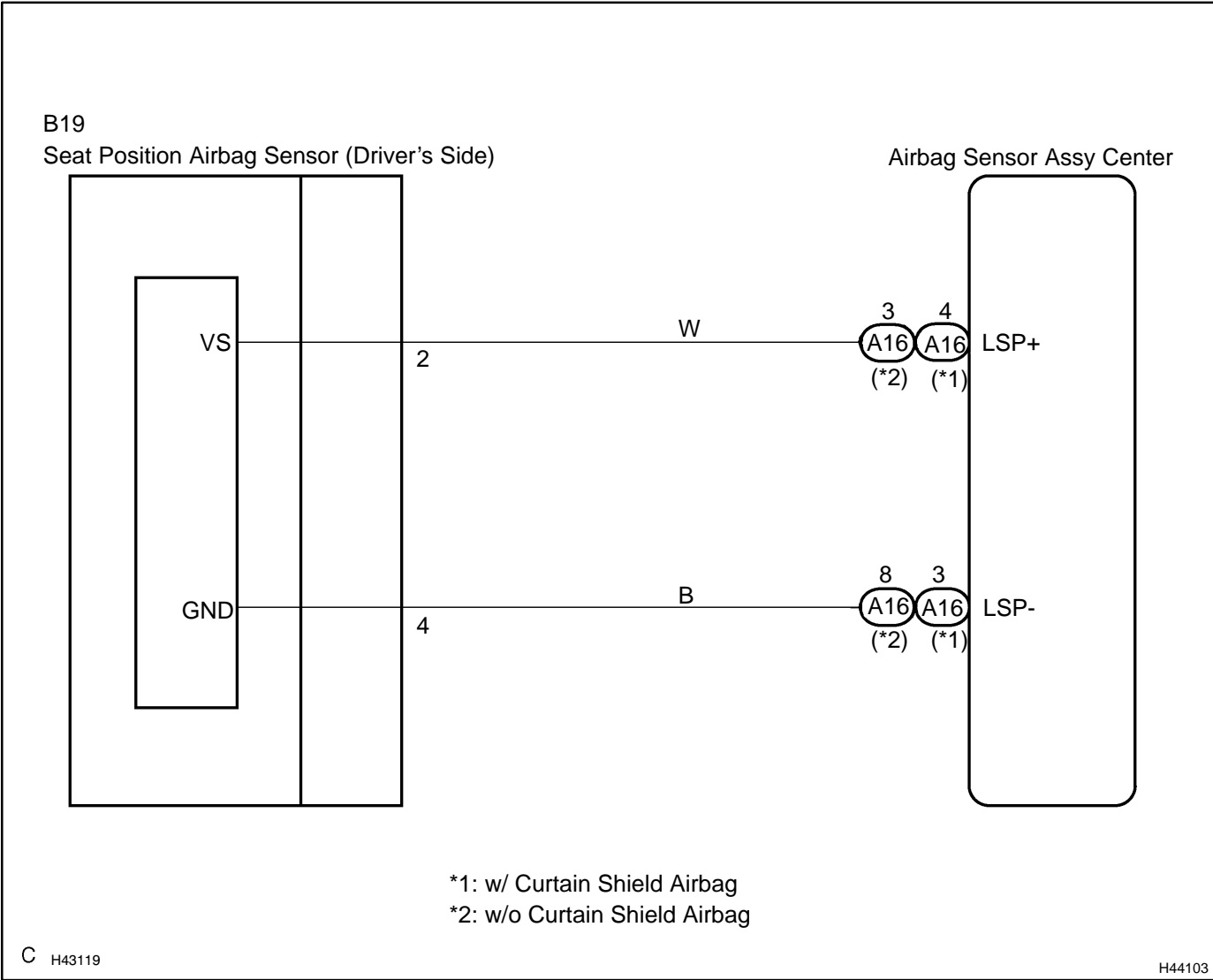
CIRCUIT DESCRIPTION

The seat position airbag sensor circuit consists of the airbag sensor assy center and the seat position airbag sensor.

DTC B1153/25 is recorded when a malfunction is detected in the seat position airbag sensor circuit.

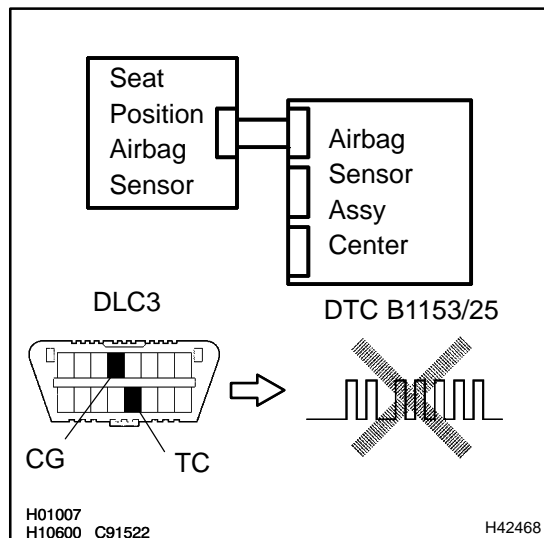
DTC No.	DTC Detecting Condition	Trouble Area
B1153/25	<ul style="list-style-type: none">• Open circuit in LSP+ wire harness or LSP- wire harness of seat position airbag sensor• Short circuit in seat position airbag sensor wire harness (to ground)• Short circuit in seat position airbag sensor wire harness (to B+)• Seat position airbag sensor malfunction• Airbag sensor assy center malfunction	<ul style="list-style-type: none">• Seat position airbag sensor• Airbag sensor assy center• Floor wire No.2

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK DTC



- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-1215).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position and wait for at least 60 seconds.
- Check the DTCs (see page 05-1215).

OK:

DTC B1153/25 is not output.

HINT:

Codes other than code B1153/25 may be output at this time, but they are not related to this check.

NG

Go to step 2

OK

USE SIMULATION METHOD TO CHECK

2 CHECK CONNECTION OF CONNECTORS

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Check that the connectors are properly connected to the airbag sensor assy center and the seat position airbag sensor.

OK:

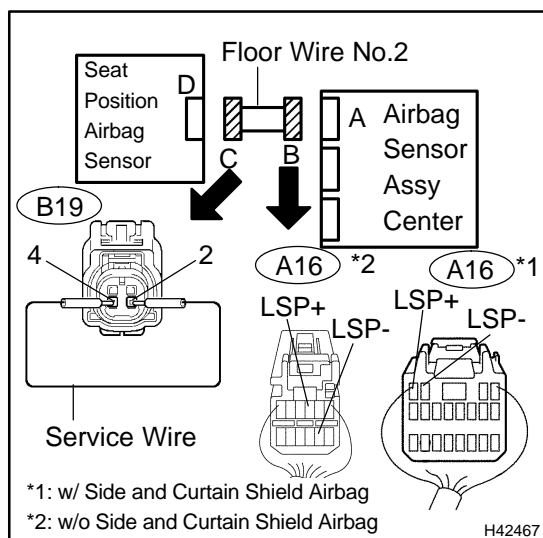
The connectors are connected.

NG

CONNECT CONNECTORS, THEN GO TO STEP 1

OK

3 CHECK FLOOR WIRE NO.2(OPEN)



- Disconnect the connectors from the airbag sensor assy center and the seat position airbag sensor.
- Using a service wire, connect B19-2 and B19-4 of connector "C".

NOTICE:

Do not forcibly insert a service wire into the terminals of the connector when connecting.

- Measure the resistance according to the value(s) in the table below.

Standard:**w/ Side and curtain shield airbag:**

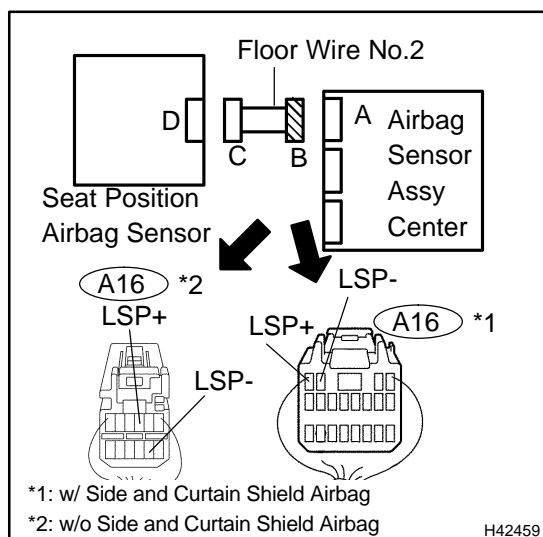
Tester connection	Condition	Specified condition
A16-4 (LSP+) - A16-3 (LSP-)	Always	Below 1 Ω

w/o Side and curtain shield airbag:

Tester connection	Condition	Specified condition
A16-3 (LSP+) - A16-8 (LSP-)	Always	Below 1 Ω

NG**REPAIR OR REPLACE FLOOR WIRE NO.2****OK**

4 CHECK FLOOR WIRE NO.2(TO B+)



- Disconnect the service wire from connector "C".
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

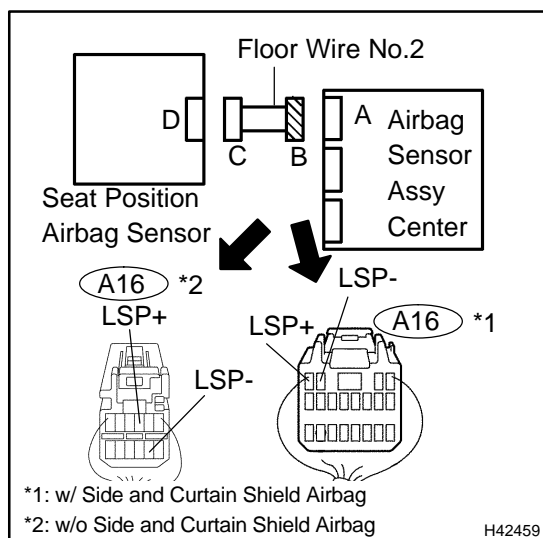
Standard:**w/ Side and curtain shield airbag:**

Tester connection	Condition	Specified condition
A16-4 (LSP+) - Body ground	Ignition switch ON	Below 1 V
A16-3 (LSP-) - Body ground	Ignition switch ON	Below 1 V

w/o Side and curtain shield airbag:

Tester connection	Condition	Specified condition
A16-3 (LSP+) - Body ground	Ignition switch ON	Below 1 V
A16-8 (LSP-) - Body ground	Ignition switch ON	Below 1 V

NG**REPAIR OR REPLACE FLOOR WIRE NO.2****OK**

5 CHECK FLOOR WIRE NO.2(TO GROUND)

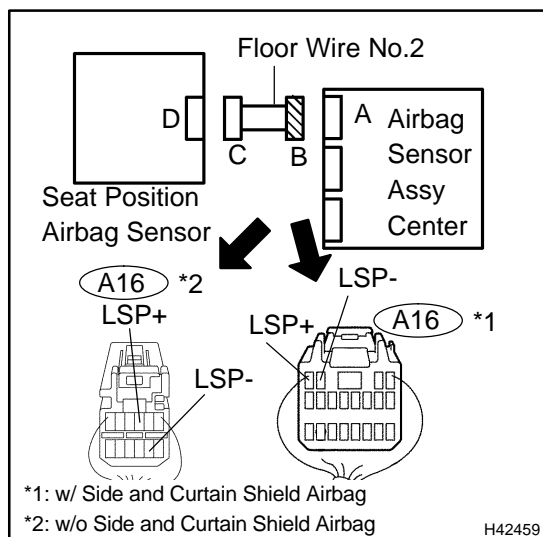
- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Measure the resistance according to the value(s) in the table below.

Standard:**w/ Side and curtain shield airbag:**

Tester connection	Condition	Specified condition
A16-4 (LSP+) - Body ground	Always	1 MΩ or Higher
A16-3 (LSP-) - Body ground	Always	1 MΩ or Higher

w/o Side and curtain shield airbag:

Tester connection	Condition	Specified condition
A16-3 (LSP+) - Body ground	Always	1 MΩ or Higher
A16-8 (LSP-) - Body ground	Always	1 MΩ or Higher

NG**REPAIR OR REPLACE FLOOR WIRE NO.2****OK****6 CHECK FLOOR WIRE NO.2(SHORT)**

- Measure the resistance according to the value(s) in the table below.

Standard:**w/ Side and curtain shield airbag:**

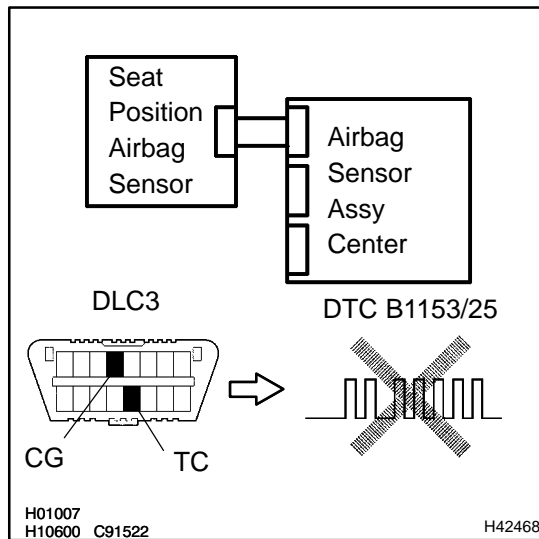
Tester connection	Condition	Specified condition
A16-4 (LSP+) - A16-3 (LSP-)	Always	1 MΩ or Higher

w/o Side and curtain shield airbag:

Tester connection	Condition	Specified condition
A16-3 (LSP+) - A16-8 (LSP-)	Always	1 MΩ or Higher

NG**REPAIR OR REPLACE FLOOR WIRE NO.2****OK**

7 CHECK SEAT POSITION AIR BAG SENSOR



- Connect the connectors to the seat position airbag sensor and the airbag sensor assy center.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-1215).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (see page 05-1215).

OK:

DTC B1153/25 is not output.

HINT:

Codes other than code B1153/25 may be output at this time, but they are not related to this check.

NG

Go to step 8

OK

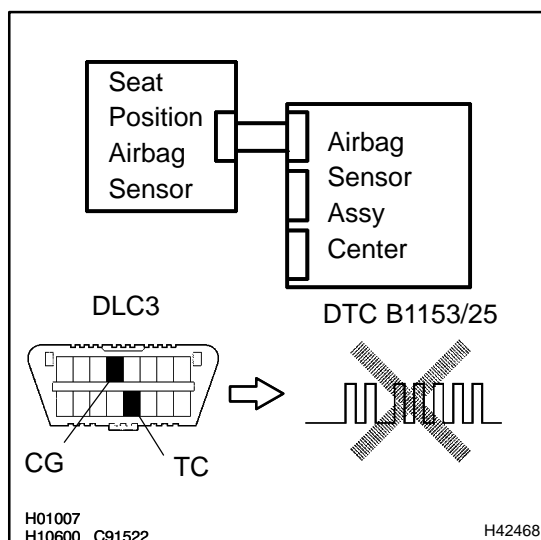
USE SIMULATION METHOD TO CHECK

8 REPLACE SEAT POSITION AIR BAG SENSOR

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Replace the seat position airbag sensor (see page 60-61).



9 CHECK AIR BAG SENSOR ASSY CENTER



- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-1215).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (see page 05-1215).

OK:

DTC B1153/25 is not output.

HINT:

Codes other than code B1153/25 may be output at this time, but they are not related to this check.

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**REPLACE AIR BAG SENSOR ASSY CENTER
(SEE PAGE 60-53)**

OK

END