

DTC	B1149/37	FRONT AIRBAG SENSOR (LH) MALFUNCTION
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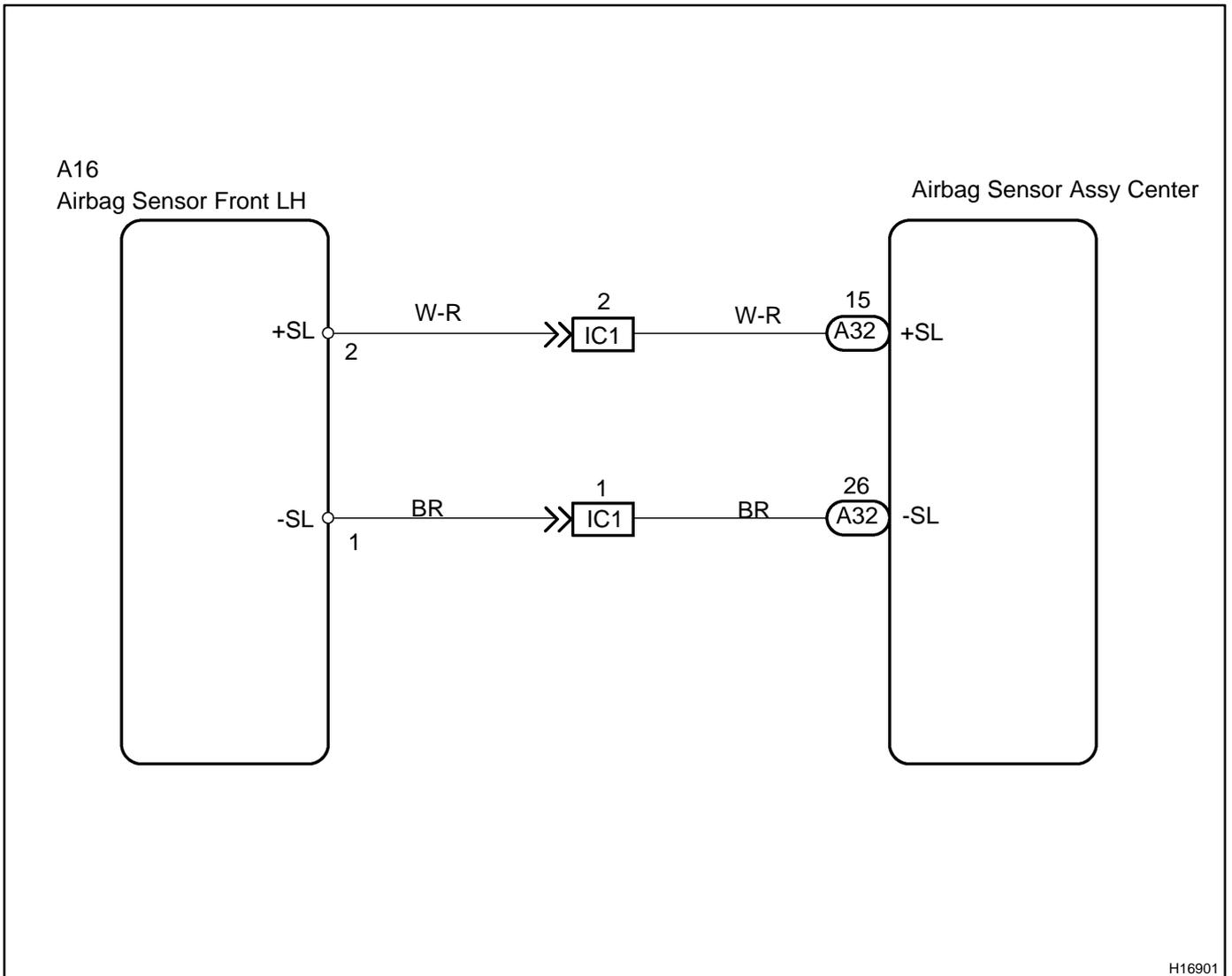
CIRCUIT DESCRIPTION

The airbag sensor front LH circuit consists of a diagnosis circuit and a frontal deceleration sensor, etc. It receives signals from the frontal deceleration sensor, judges whether or not the SRS must be activated, and detects a diagnosis system malfunction.

DTC B1149/37 is recorded when malfunction is detected in the airbag sensor front LH circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1149/37	<ul style="list-style-type: none"> • Open in airbag sensor front LH circuit • Airbag sensor front LH malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Airbag sensor front LH • Airbag sensor assy center • Instrument panel wire • Engine room main wire

WIRING DIAGRAM

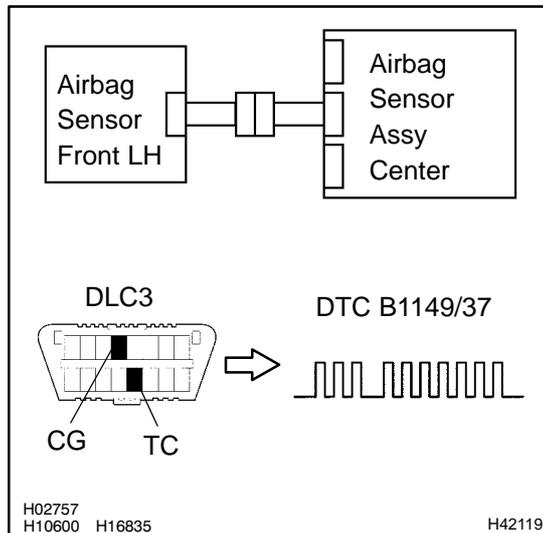


H16901

INSPECTION PROCEDURE

1 CHECK AIR BAG SENSOR FRONT LH

SST 09843-18040



- (a) Connect negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- (b) Turn the ignition switch to ON position, and wait at least for 10 seconds.
- (c) Clear the DTC stored in the memory (See page 05-615).
- (d) Turn the ignition switch to LOCK position, and wait at least for 10 seconds.
- (e) Turn the ignition switch to ON position, and wait at least for 10 seconds.
- (f) Check the DTC (See page 05-615).

OK:**DTC B1149/37 is not output.****HINT:**

Codes other than code B1149/37 may be output at this time, but they are not relevant to this check.

OK**USE SIMULATION METHOD TO CHECK****NG**

2 CHECK AIRBAG SENSOR ASSY CENTER CONNECTOR

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

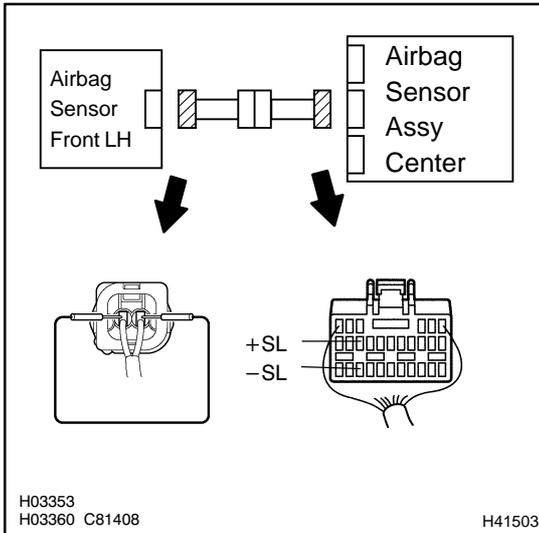
OK:**The connectors are connected.****NG****CONNECT CONNECTORS****OK****3 CHECK FRONT AIRBAG SENSOR CONNECTOR**

- (a) Check that the connector is properly connected to the airbag sensor front LH.

OK:**The connector is connected.****NG****CONNECT CONNECTORS****OK**

4 CHECK FRONT AIRBAG SENSOR (LH) CIRCUIT (OPEN)

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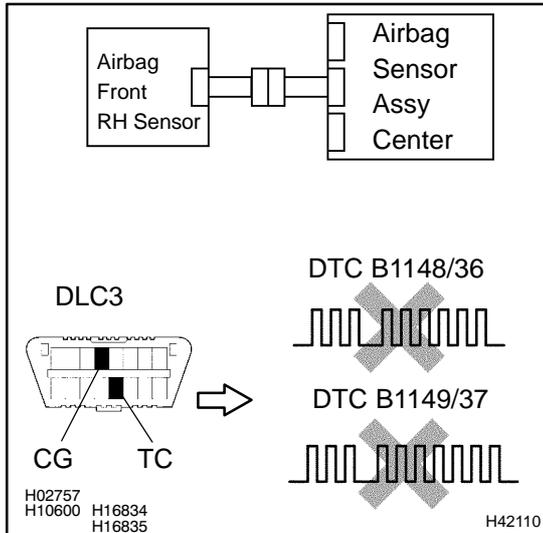


- Disconnect the connectors between the airbag sensor assy center and the airbag sensor front LH.
- Using a service wire, connect +SL and -SL of the connector on the airbag sensor front LH side between the airbag sensor assy center and the airbag sensor front LH.
- Measure the resistance between +SL and -SL of the connector on the airbag sensor assy center side between the airbag sensor assy center and the airbag sensor front LH.

OK:**Resistance: Below 1 Ω** **NG****Go to step 6****OK**

5 CHECK AIR BAG FRONT RH SENSOR

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- (a) Turn the ignition switch to LOCK.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Connect the airbag sensor assy center connector.
- (d) Interchange the airbag front sensor RH with LH and connect the connectors to them.
- (e) Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- (f) Turn the ignition switch to ON position, and wait at least for 10 seconds.
- (g) Clear the DTC stored in the memory (See page 05-615).
- (h) Turn the ignition switch to LOCK position, and wait at least for 10 seconds.
- (i) Turn the ignition switch to ON position, and wait at least for 10 seconds.
- (j) Check the DTC (See page 05-615).

OK:**(A): DTC B1148/36 is not output.****(B): DTC B1149/37 is not output.**

NG(A) → REPLACE AIR BAG SENSOR FRONT LH

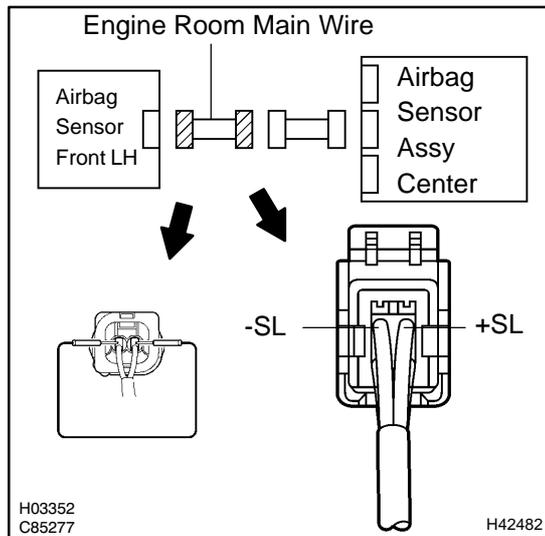
NG(B) → REPLACE AIR BAG SENSOR ASSY CENTER

OK

USE SIMULATION METHOD TO CHECK

6 CHECK ENGINE ROOM MAIN WIRE (OPEN)

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- Disconnect the engine room main wire connector from the instrument panel wire.
- Using a service wire, connect +SL and -SL of the engine room main wire connector on the airbag sensor front LH side.
- Measure the resistance between +SL and -SL of the engine room main wire connector on the airbag sensor assy center side.

OK:**Resistance: Below 1 Ω** **NG****REPAIR OR REPLACE ENGINE ROOM MAIN WIRE****OK****REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

-MEMO-