

DTC	B1148/36	FRONT AIRBAG SENSOR (RH) MALFUNCTION
------------	-----------------	---

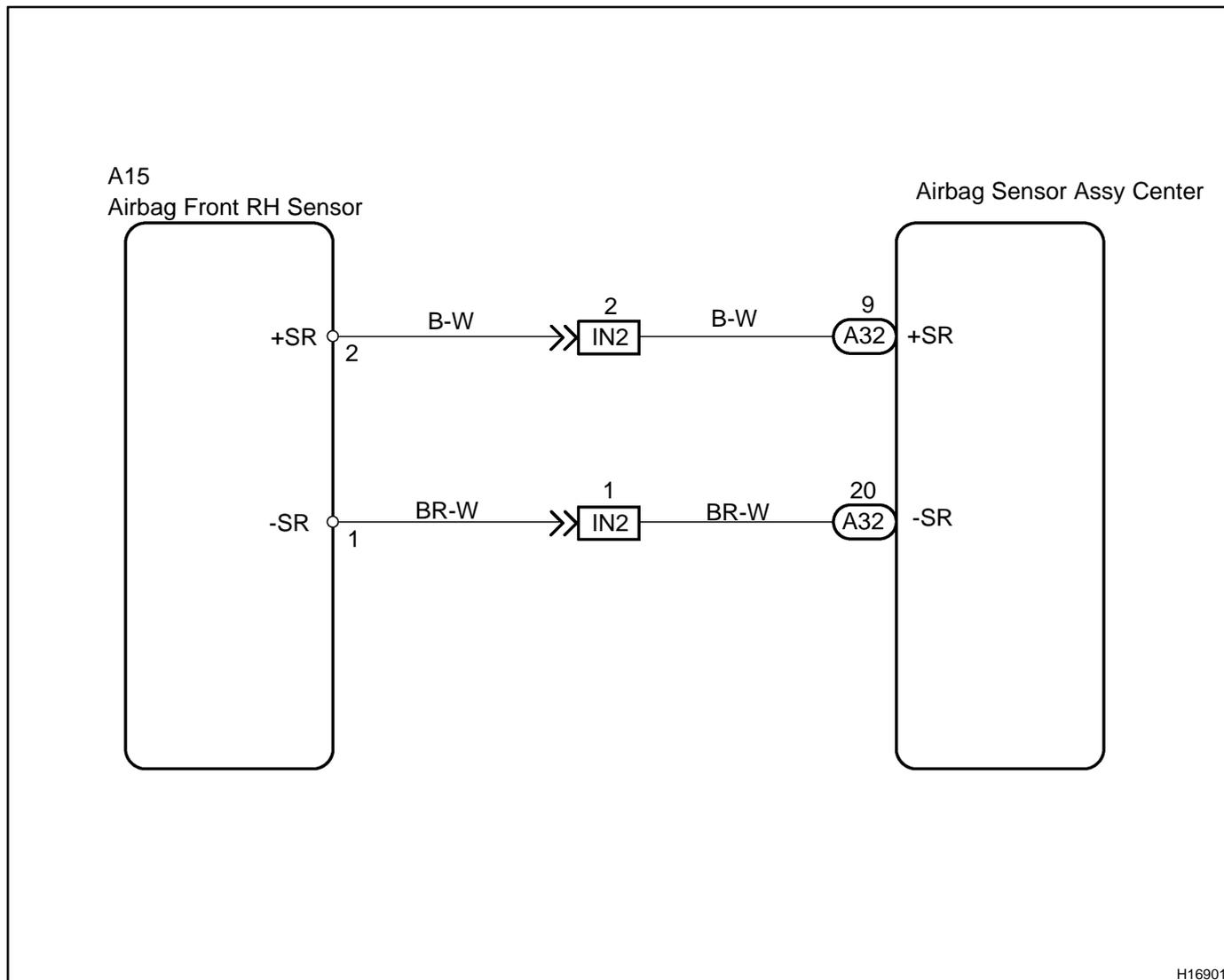
CIRCUIT DESCRIPTION

The airbag front RH sensor 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 B1148/36 is recorded when occurrence of a malfunction in the airbag front RH sensor is detected.

DTC No.	DTC Detecting Condition	Trouble Area
B1148/36	<ul style="list-style-type: none"> • Open in airbag front RH sensor circuit • Airbag front RH sensor malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Airbag front RH sensor • Airbag sensor assy center • Instrument panel wire • Engine room main wire

WIRING DIAGRAM

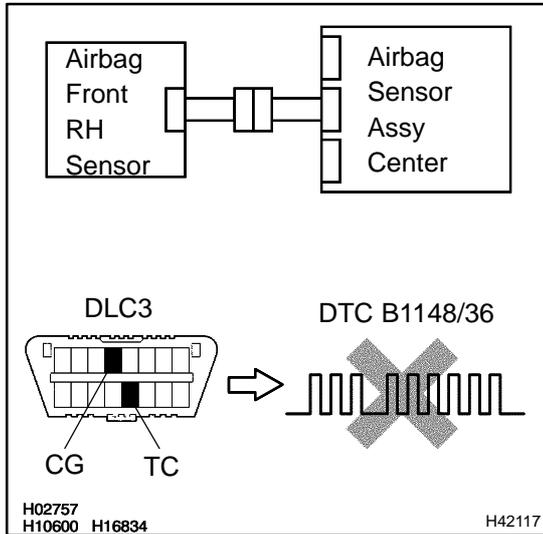


H16901

INSPECTION PROCEDURE

1 CHECK AIR BAG FRONT RH SENSOR

SST 09843-18040



- (a) Connect the 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 B1148/36 is not output.

HINT:

Codes other than code B1148/36 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

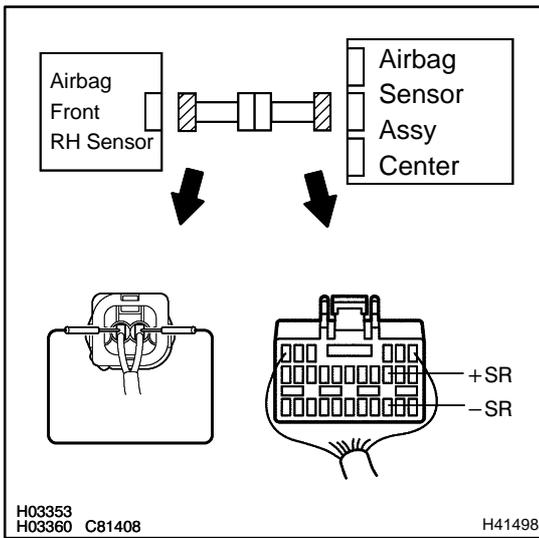
- (a) Turn the ignition switch to LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Check that the connector is properly connected to the airbag sensor assy center.

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 front RH sensor.

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

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



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

OK:

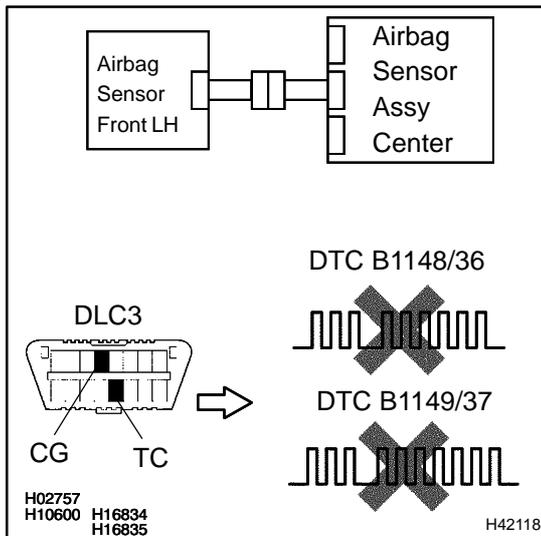
Resistance: Below 1 Ω

NG

Go to step 6

OK

5 CHECK AIR BAG SENSOR FRONT LH



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

OK:

(A): DTC B1148/36 is not output.

(B): DTC B1149/37 is not output.

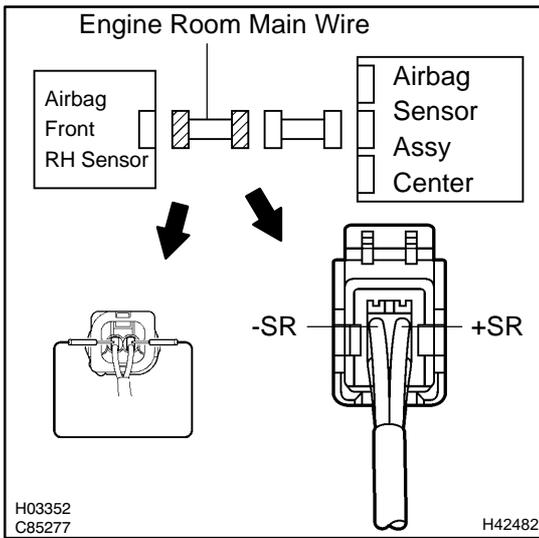
NG(A) > REPLACE AIR BAG SENSOR ASSY CENTER

NG(B) > REPLACE AIR BAG FRONT RH SENSOR

OK

USE SIMULATION METHOD TO CHECK

6 CHECK ENGINE ROOM MAIN WIRE(OPEN)



- (a) Disconnect the engine room main wire connector from the instrument panel wire.
- (b) Measure the resistance between +SR and -SR 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-