

<b>DTC</b>	<b>B1148/36</b>	<b>FRONT AIRBAG SENSOR (RH) MALFUNCTION</b>
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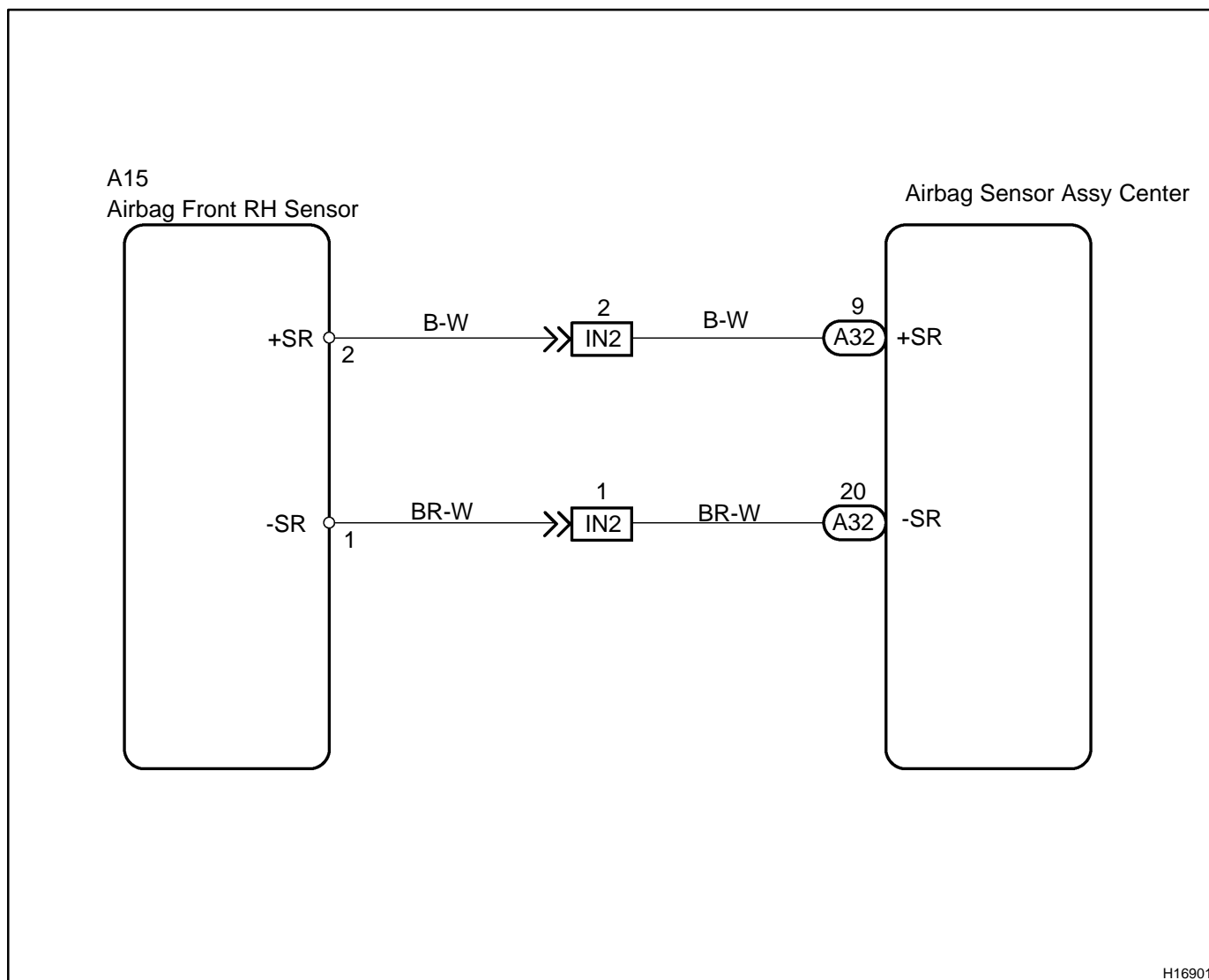
## CIRCUIT DESCRIPTION

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"> <li>• Open in airbag front RH sensor circuit</li> <li>• Airbag front RH sensor malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Airbag front RH sensor</li> <li>• Airbag sensor assy center</li> <li>• Instrument panel wire</li> <li>• Engine room main wire</li> </ul>

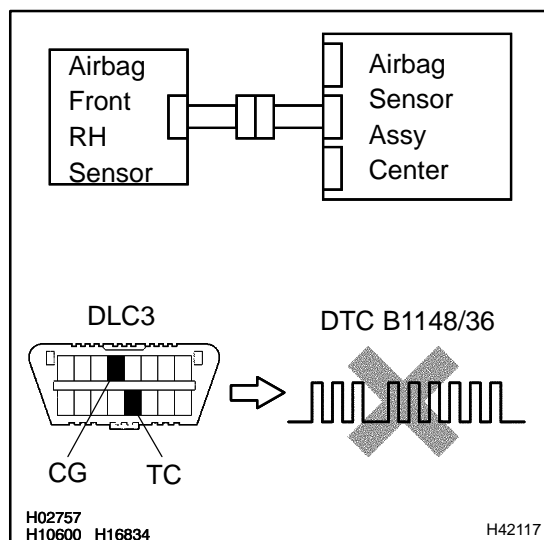
## WIRING DIAGRAM



## INSPECTION PROCEDURE

## 1 CHECK AIR BAG FRONT RH SENSOR

SST 09843-18040



- 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:****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**

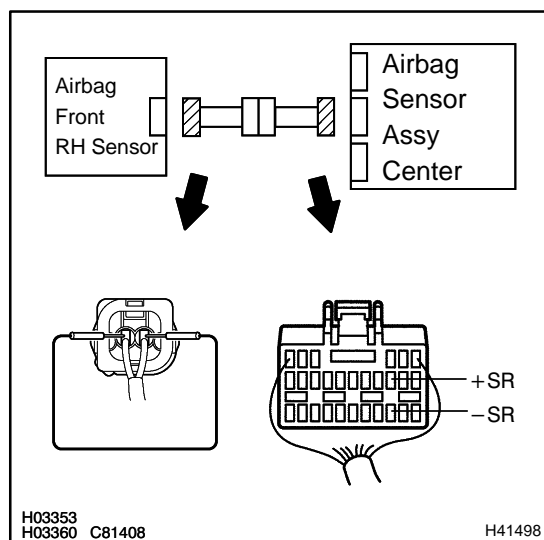
- (a) Turn the ignition switch to LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Check that the connector is properly connected to the airbag sensor assy center.

**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:**

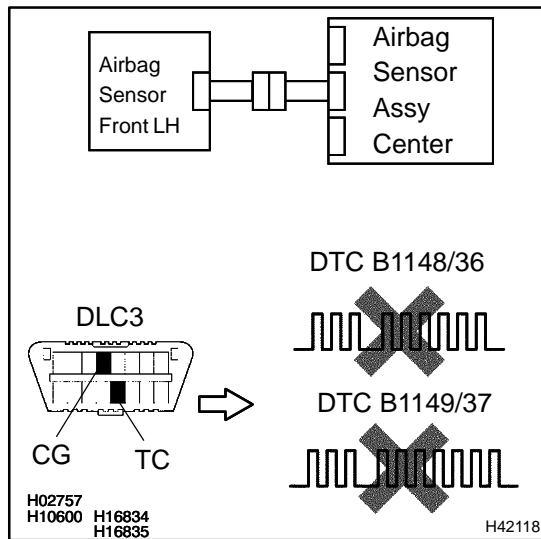
**Resistance: Below 1  $\Omega$**

**NG**

**Go to step 6**

**OK**

## 5 CHECK AIR BAG SENSOR FRONT LH



- (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) 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.**

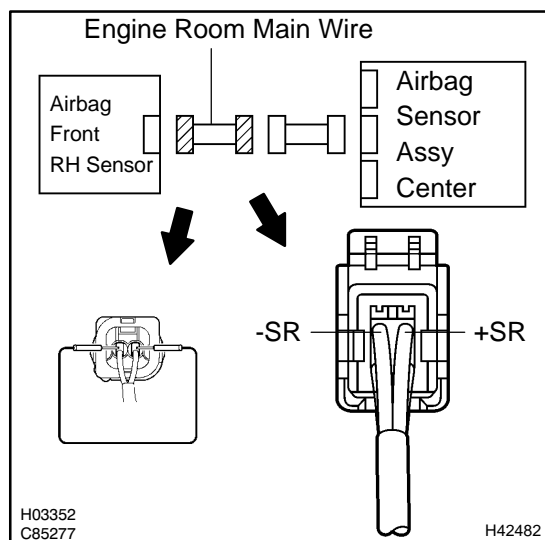
**NG(A) > REPLACE AIR BAG SENSOR ASSY CENTER**

**NG(B) > REPLACE AIR BAG FRONT RH SENSOR**

**OK**

**USE SIMULATION METHOD TO CHECK**

## 6 CHECK ENGINE ROOM MAIN WIRE(OPEN)



- Disconnect the engine room main wire connector from the instrument panel wire.
- 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  $\Omega$**

**NG**

**REPAIR OR REPLACE ENGINE ROOM MAIN WIRE**

**OK**

**REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

-MEMO-