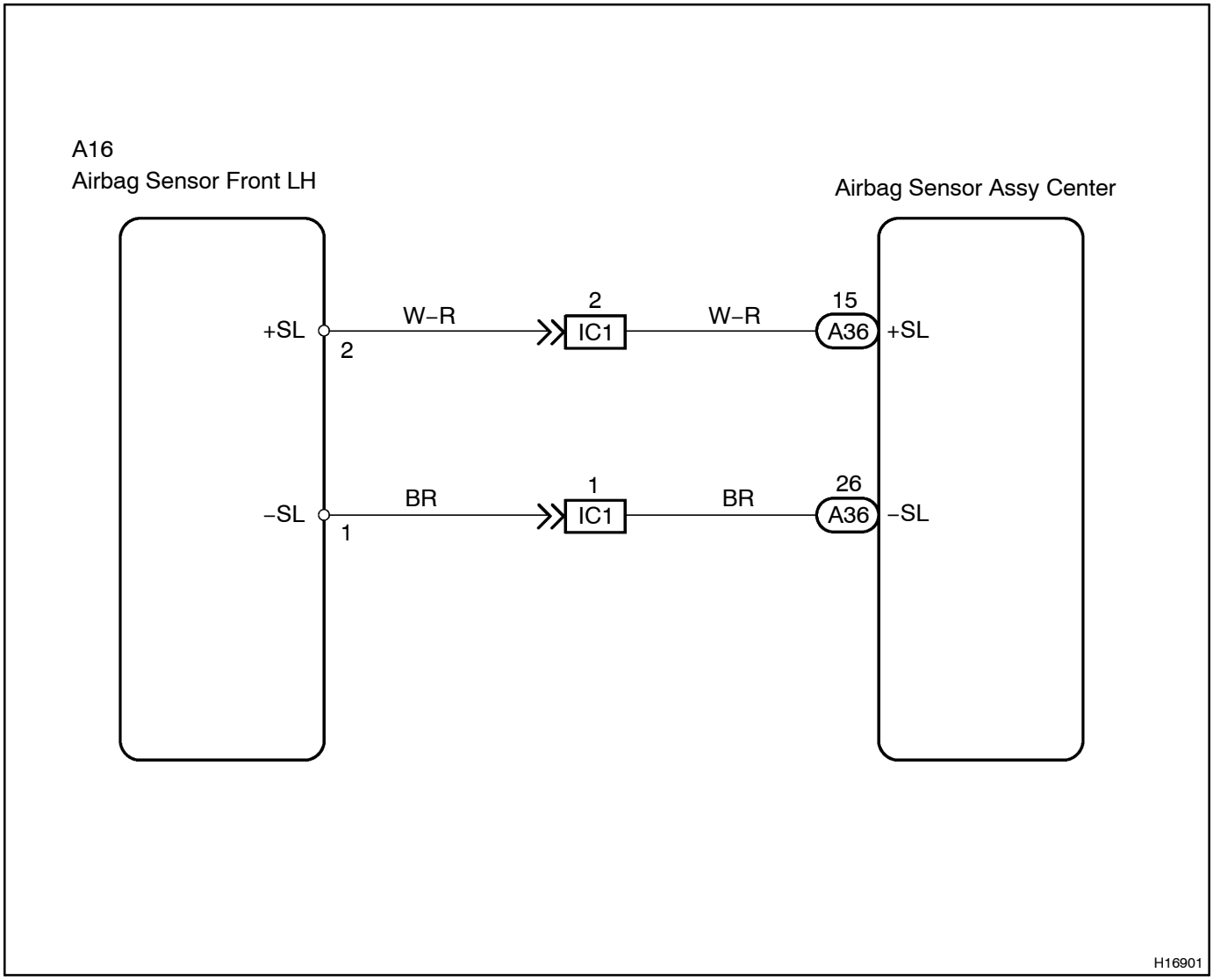
DTC	B1149/37	FRONT AIRBAG SENSOR (LH) MALFUNCTION

CIRCUIT DESCRIPTION

The airbag sensor front LH circuit consists of the diagnosis circuit and frontal deceleration sensor, etc.
If receives signals from the frontal deceleration sensor, judges whether or not the SRS must be activated, and detects 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	• Open in front airbag sensor LH circuit • Airbag sensor front LH malfunction • Airbag sensor assy center malfunction	• Airbag sensor front LH • Airbag sensor assy center • Instrument panel wire • Engine room main wire harness

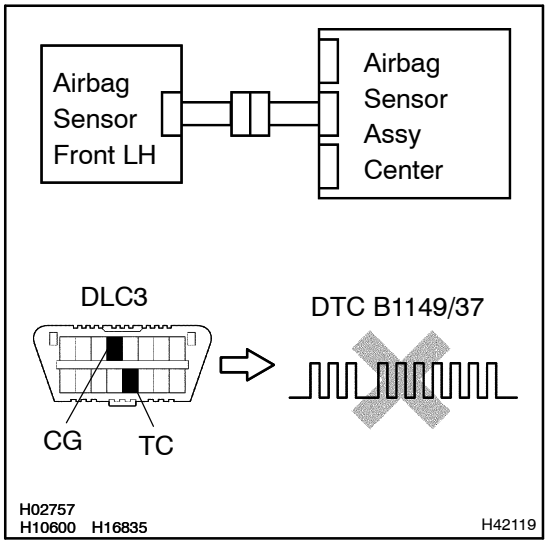
WIRING DIAGRAM



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, and wait at least for 10 seconds.
(c) Clear the DTC stored in memory (See page 05–1122).
(d) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(e) Turn the ignition switch to ON, and wait at least for 10 seconds.
(f) Check the DTC (See page 05–1122).
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.
(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

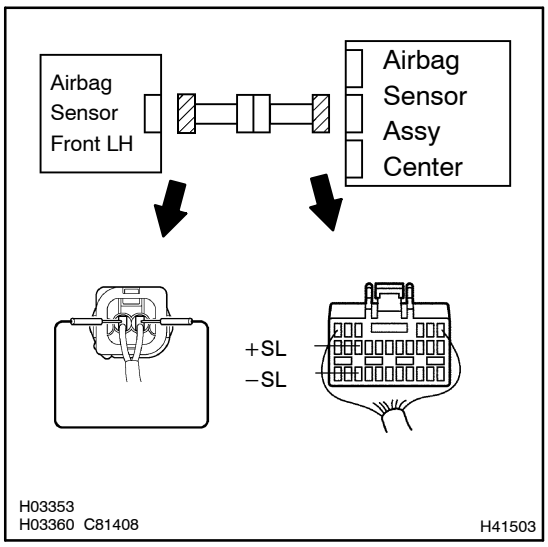
(a) Check that the connector is properly connected to the airbag sensor front LH.
OK:
The connector is connected.

NG → **CONNECT CONNECTORS**

OK

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

SST 09843–18040



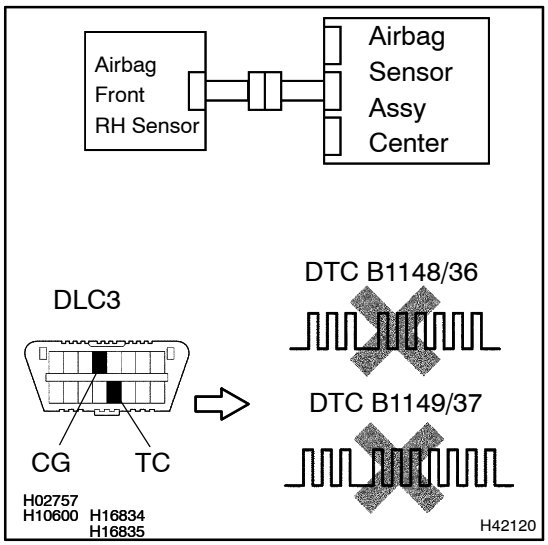
(a) Disconnect the connectors between the airbag sensor assy center and the airbag sensor front LH.
(b) Using a service wire, connect +SL and –SL of the connector (on the airbag sensor front LH side) between the airbag sensor assy center and the airbag sensor front LH.
(c) Measure the resistance between +SL and –SL of the connecter on the airbag sensor assy center side between the airbag sensor front LH and the airbag sensor assy center.
OK:
Resistance: Below 1 Ω

NG → **Go to step 6**

OK

5 CHECK AIR BAG SENSOR FRONT LH

SST 09843–18040



(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 and 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, and wait at least for 10 seconds.
(g) Clear the DTC stored in memory (See page 05–1122).
(h) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(i) Turn the ignition switch to ON, and wait at least for 10 seconds.
(j) Check the DTC (See page 05–1122).
OK:
(A): DTC B1148/36 is not output.
(B): DTC B1149/37 is not output.

NG(A) → **REPLACE AIR BAG SENSOR FRONT LH**

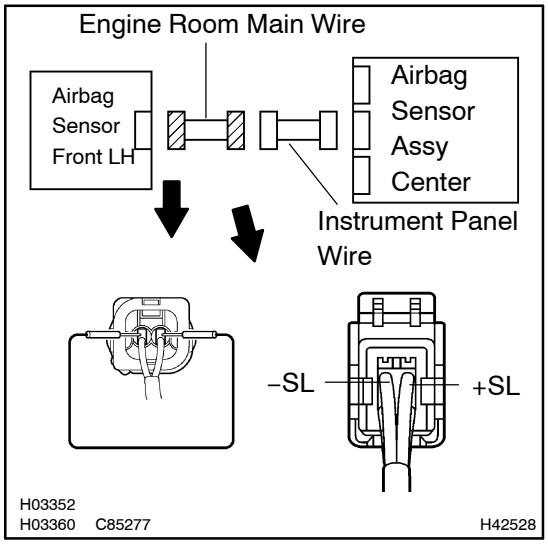
NG(B) → **REPLACE AIR BAG SENSOR ASSY CENTER**

OK

USE SIMULATION METHOD TO CHECK

6 CHECK ENGINE ROOM MAIN WIRE(OPEN)

SST 09843–18040



(a) Disconnect the engine room main wire connect from the instrument panel wire.

(b) Measure the resistance between +SL and –SL of the engine room main wire connector on the instrument panel wire side.

OK:

Resistance: Below 1 Ω

NG → **REPAIR OR REPLACE ENGINE ROOM MAIN WIRE**

OK

REPAIR OR REPLACE INSTRUMENT PANEL WIRE