DTC B1100/31 AIRBAG SENSOR ASSY MALFUNCTION

CIRCUIT DESCRIPTION

The airbag sensor assy center consists of a airbag sensor assy center, safing sensor, drive circuit, diagnosis circuit and ignition control, etc.
It receives signals from the airbag sensor, judges whether or not the SRS must be activated, and detects diagnosis system malfunction.
DTC B1100/31 is recorded when occurrence of a malfunction in the airbag sensor assy center is detected.

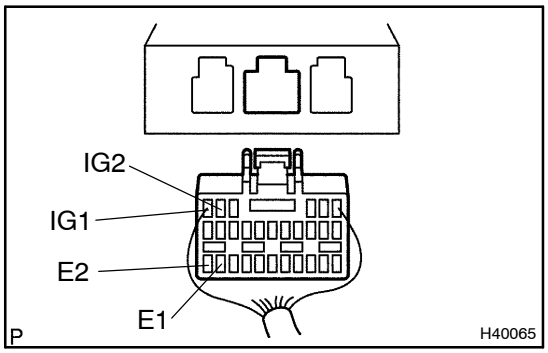
DTC No.	DTC Detecting Condition	Trouble Area
B1100/31	• Airbag sensor assy center malfunction	• Airbag sensor assy center

INSPECTION PROCEDURE

HINT:
When a malfunction code other than code B1100/31 is displayed at the same time, first repair the malfunction indicated by the malfunction code other than code B1100/31.

INSPECTION PROCEDURE

1	CHECK VOLTAGE AT IG1 AND IG2 OF AIRBAG SENSOR ASSEMBLY



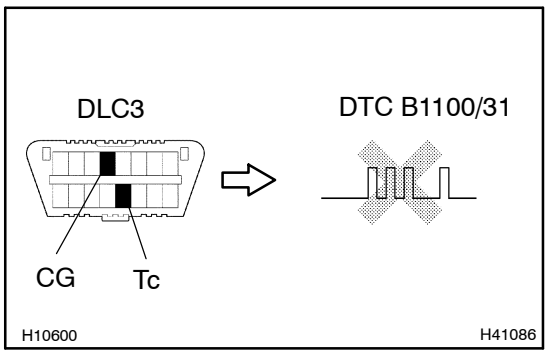
(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connector of the airbag sensor assy center.
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(d) Turn the ignition switch to ON.
(e) Measure the voltage between E1 (E2) and each of terminals IG1 and IG2 of the airbag sensor assy center connector.
Voltage: 10 – 14 V

NG → **CHECK THAT AN ABNORMALITY OCCURS ON THE BATTERY AND CHARGING SYSTEM**

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843–18040



(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Connect the connectors of all the SRS components.
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(d) Turn the ignition switch to ON, and wait at least for 20 seconds.
(e) Clear the DTC stored in memory(See page 05–758).
(f) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(g) Turn the ignition switch to ON, and wait at least for 20 seconds.
(h) Check the DTC (See page 05–758).
OK:
DTC B1100/31 is not output.

HINT:
Codes other than code B1100/31 may be output at this time, but they are not relevant to this check.

NG → **REPLACE AIR BAG SENSOR ASSY CENTER**

OK

USE SIMULATION METHOD TO CHECK