DTC B1100/31 AIRBAG ECU ASSY MALFUNCTION

CIRCUIT DESCRIPTION

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

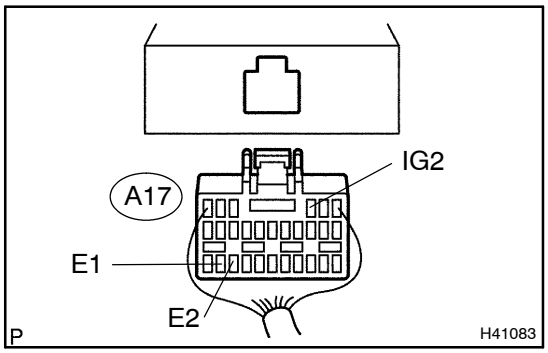
DTC No.	DTC Detection Condition	Trouble Area
B1100/31	• Airbag ECU assy malfunction	• Airbag ECU assy

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 IG2 OF AIRBAG ECU ASSY



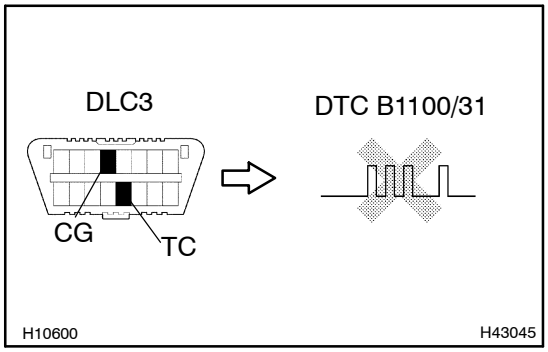
(a) Disconnect the negative (–) terminal cable from the battery and wait at least for 90 seconds.
(b) Disconnect the A17 connector of the airbag ECU assy.
(c) Connect the negative (–) terminal cable to the battery and turn the ignition switch to ON.
(d) Measure the voltage between terminal E1 (E2) and terminal IG2 of the A17 airbag ECU connector.
OK:
Voltage: 20 – 28 V

NG → **REPAIR OR REPLACE COWL WIRE**

OK

2	CHECK AIR BAG ECU ASSY

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) Clear the DTC stored in the memory (See page 05–312).
(d) Turn the ignition switch to LOCK and wait at least for 20 seconds.
(e) Turn the ignition switch to ON and wait at least for 60 seconds.
(f) Repeat steps (a) and (b) at least 5 times.
(g) Check for DTC (See page 05–312).
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 ECU ASSY**

OK

USE SIMULATION METHOD TO CHECK