

DTC	31	Airbag Sensor Assembly Malfunction
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CIRCUIT DESCRIPTION

The airbag sensor assembly consists of a airbag sensor, safing sensor, drive circuit, diagnosis circuit and ignition control, etc.

It receives signals from the airbag sensors, judges whether or not the SRS must be activated, and diagnosis system malfunction.

DTC 31 is recorded when occurrence of a malfunction in the airbag sensor assembly is detected.

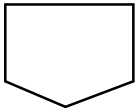
DTC No.	DTC Detection Condition	Trouble Area
31	• Airbag sensor assembly malfunction	• Airbag sensor assembly

INSPECTION PROCEDURE

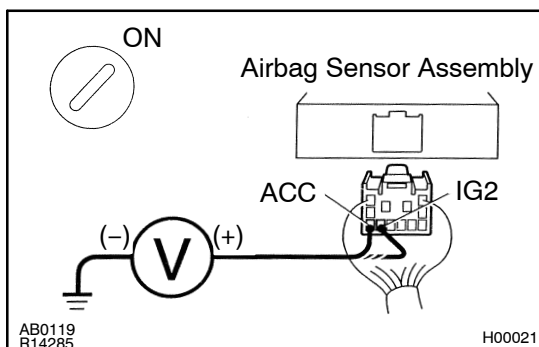
HINT:

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

1	Preparation (See step 1 on page DI-259).
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2	Check voltage at IG2 and ACC of airbag sensor assembly
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PREPARATION:

Turn ignition switch ON.

CHECK:

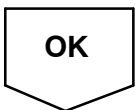
Measure voltage between terminals IG2 and ACC of airbag sensor assembly and body ground.

OK:

Voltage: Below 16 V

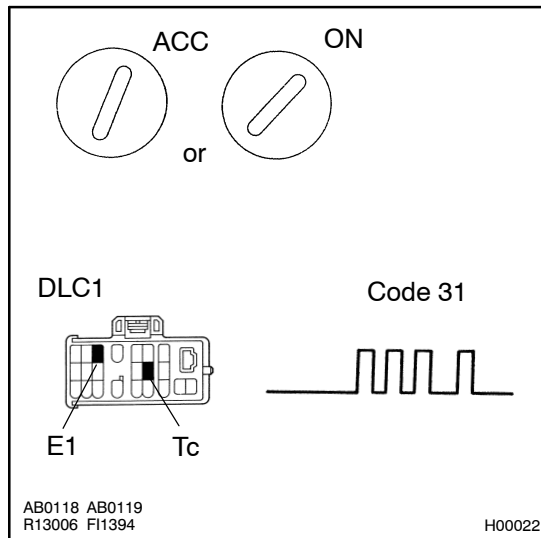
NG

Check battery and charging system (See page [CH-1](#)).



OK

3 Is DTC 31 output again?



PREPARATION:

Clear malfunction code.

CHECK:

- Turn ignition switch to LOCK, and wait at least 20 seconds.
- Turn ignition switch to ACC or ON, and wait at least 20 seconds.
- Repeat operation in step (a) and (b) at least 5 times.
- Using SST, connect terminals Tc and E1 of DLC1.
SST 09843-18020
- Check DTC.

NO

Using simulation method, reproduce malfunction symptoms (See page [IN-17](#)).

YES

Replace airbag sensor assembly.