

## Source Voltage Drop

### DESCRIPTION

The SRS is equipped with a voltage-increase circuit (DC-DC converter) in the center airbag sensor assembly in case the source voltage drops.

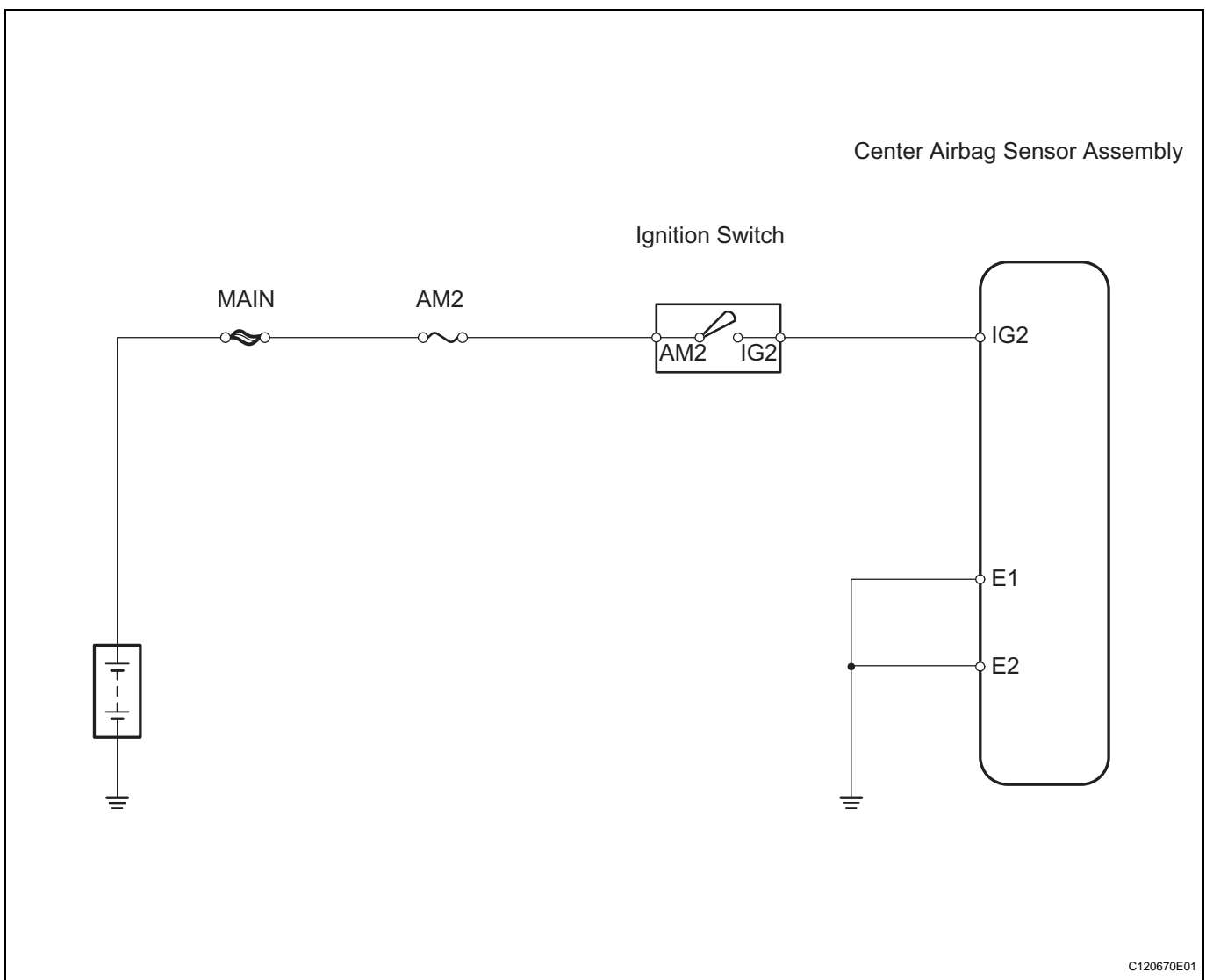
When the source voltage drops, the voltage-increase circuit (DC-DC converter) functions to increase the voltage of the SRS to a normal working level.

A malfunction in this circuit is displayed differently from other codes, in the fact that no DTCs are recorded. With a normal system code present, the source voltage drop is indicated when the SRS warning light comes on.

A malfunction in this circuit is not recorded in the center airbag sensor assembly.

The SRS warning light automatically goes off when the source voltage returns to normal.

### WIRING DIAGRAM


**1**
**PREPARE FOR INSPECTION**

(a) Turn the ignition switch to the LOCK position.

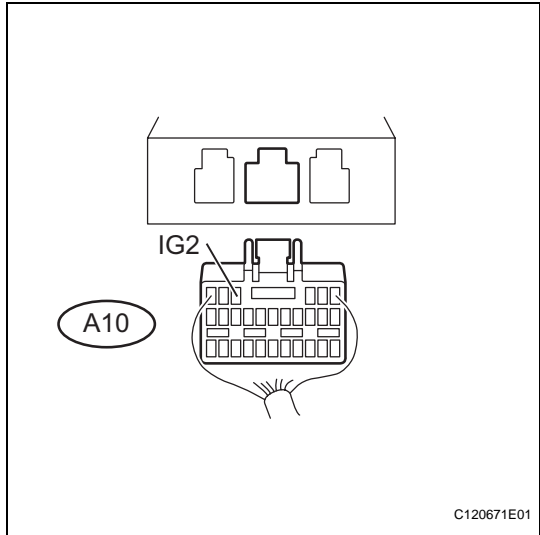
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the center airbag sensor assembly (see page RS-210).

NEXT

RS

2

CHECK WIRE HARNESS (CENTER AIRBAG SENSOR ASSEMBLY - BATTERY)



- (a) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (b) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection	Condition	Specified Condition
A10-5 (IG2) - Body ground	Ignition switch ON	11 to 14 V

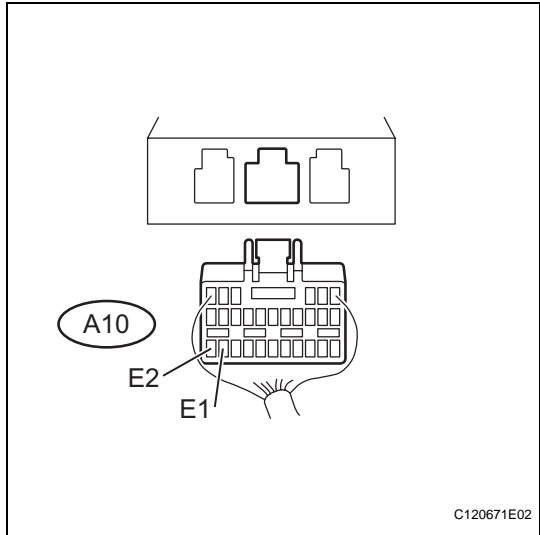
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REPAIR OR REPLACE HARNESS AND CONNECTOR, CHARGING SYSTEM AND BATTERY

OK

3

CHECK WIRE HARNESS (CENTER AIRBAG SENSOR ASSEMBLY - BODY GROUND)



- (a) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
A10-27 (E1) - Body ground	Below 1 Ω
A10-28 (E2) - Body ground	

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

4

CHECK SRS WARNING LIGHT

- (a) Turn the ignition switch to the LOCK position.

- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Connect the center airbag sensor assembly connector.
- (d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Turn the ignition switch to the ON position, and wait for at least 6 seconds.
- (f) Operate all components of the electrical system (defogger, wiper, headlight, heater, blower, etc.) and check that SRS warning light does not come on.

**OK:**

**SRS warning light does not come on.**

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**REPLACE CENTER AIRBAG SENSOR  
ASSEMBLY**

**OK**

**END**

**RS**