

Source Voltage Drop

DESCRIPTION

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

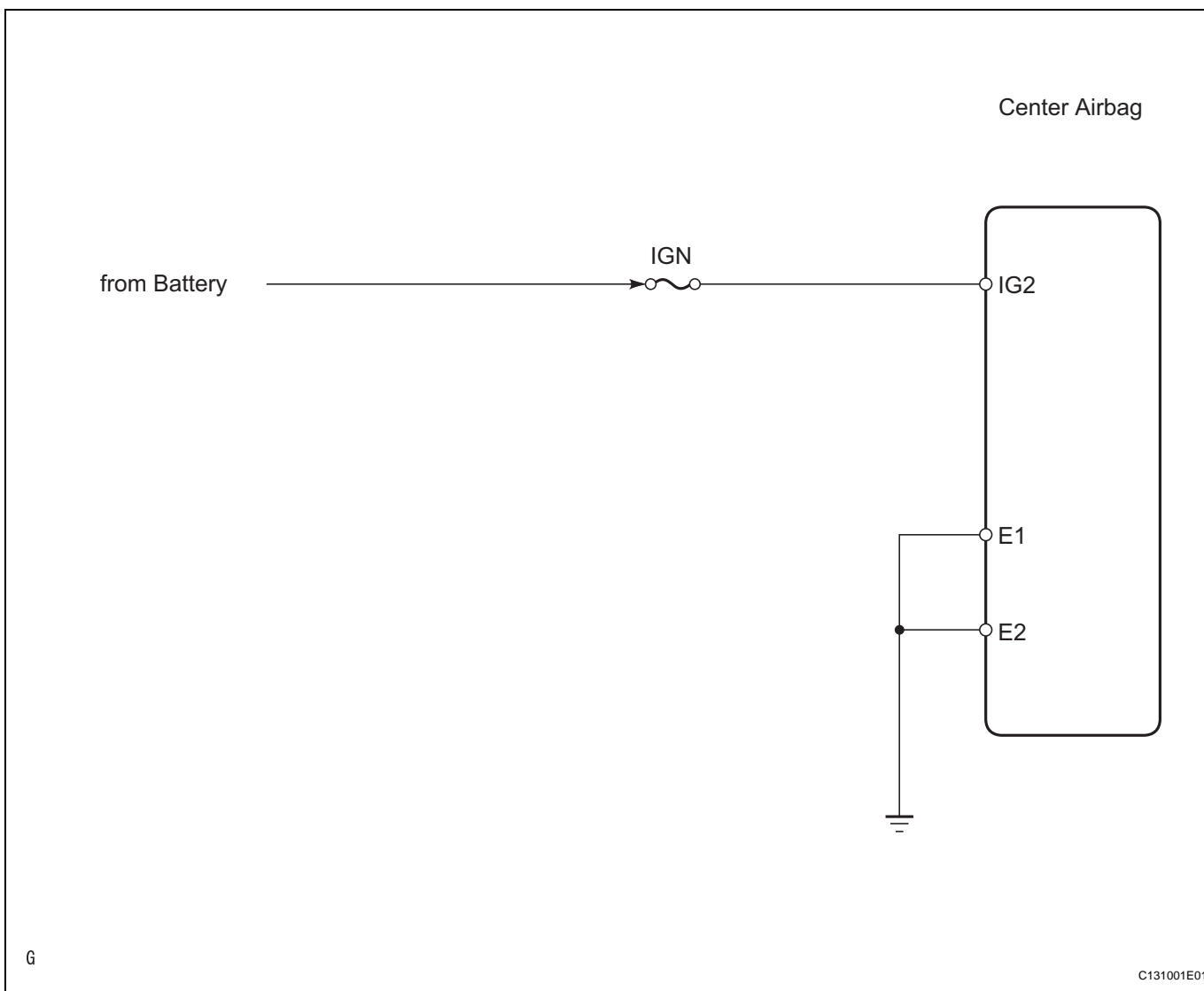
When the source voltage drops, the voltage-increase circuit (DC-DC converter) functions to increase the voltage of the SRS to a normal working level.

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 .

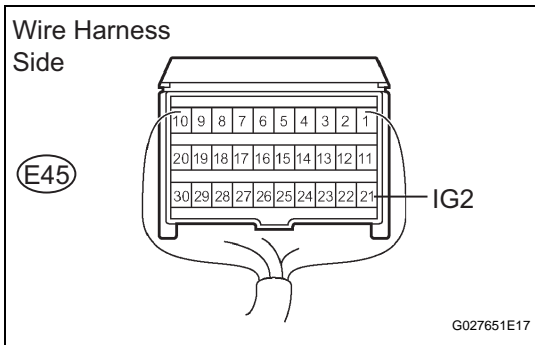
The SRS warning light automatically goes off when the source voltage returns to normal.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK WIRE HARNESS (CENTER AIRBAG SENSOR ASSEMBLY - BATTERY)



- (a) Turn the ignition switch OFF.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the E45 connector from the center airbag sensor .
- (d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Measure the voltage of the wire harness side connectors.

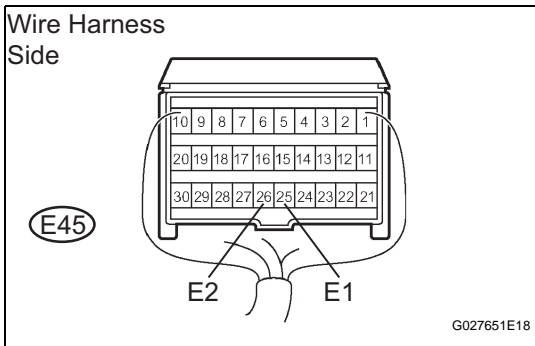
Standard voltage

Tester Connection	Specified Condition
E45-21 (IG2) - Body ground	11 to 14 V

NG **REPAIR OR REPLACE HARNESS AND CONNECTOR, CHARGING SYSTEM AND BATTERY**

OK

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



- (a) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
E45-25 (E1) - Body ground	Below 1 Ω
E45-26 (E2) - Body ground	Below 1 Ω

NG **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

3 CHECK SRS WARNING LIGHT

- (a) Turn the ignition switch OFF.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Connect the E45 center airbag sensor connector.
- (d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Turn the ignition switch ON, and wait for at least 6 seconds.
- (f) Operate all components of the electrical system (defogger, wiper, headlight, heater, blower, etc.) and check that the SRS warning light does not come on.

RS

OK:
SRS warning light does not come on.

NG → REPLACE CENTER AIRBAG SENSOR ASSEMBLY

OK

END