

SOURCE VOLTAGE DROP

CIRCUIT DESCRIPTION

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

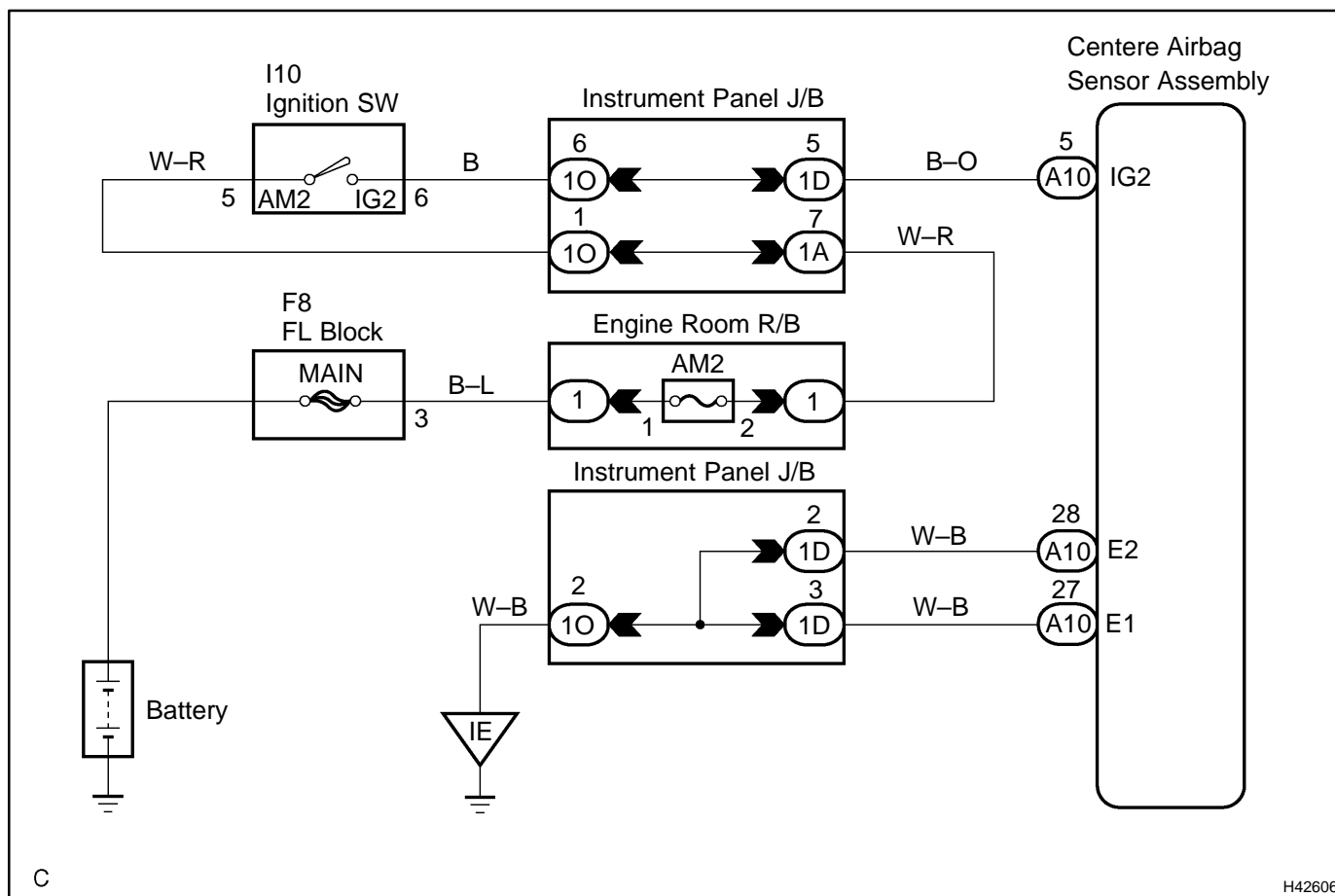
A malfunction in this circuit is displayed differently from other codes, in the fact that no DTCs are recorded. With a normal system code present, the source voltage drop is indicated when the SRS warning light comes on.

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

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

DTC No.	Diagnosis
(Normal)	Source voltage drop

WIRING DIAGRAM



C

H42606

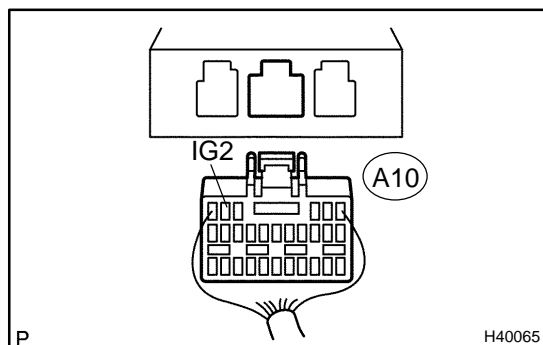
INSPECTION PROCEDURE

1 PREPARE FOR INSPECTION

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connectors from the airbag sensor assy center (See page 60–34).



2 CHECK SOURCE VOLTAGE



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

Standard:

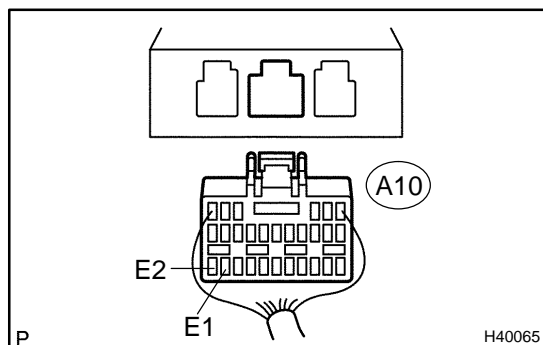
Tester connection	Condition	Specified condition
A10–5 (IG2) – Body ground	Ignition switch ON	11 to 14 V

NG

REPAIR OR REPLACE WIRE HARNESS (BATTERY – AIRBAG SENSOR ASSY CENTER), CHARGING SYSTEM AND BATTERY

OK

3 CHECK WIRE HARNESS(E1 (E2) – BODY GROUND)



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

Standard:

Tester connection	Condition	Specified condition
A10–27 (E1) – Body ground	Always	Below 1 Ω
A10–28 (E2) – Body ground	Always	Below 1 Ω

NG

REPAIR OR REPLACE WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – BODY GROUND)

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 airbag sensor assy center connectors.
- (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.****NG****REPLACE AIR BAG SENSOR ASSY CENTER****OK****END**