

## 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.

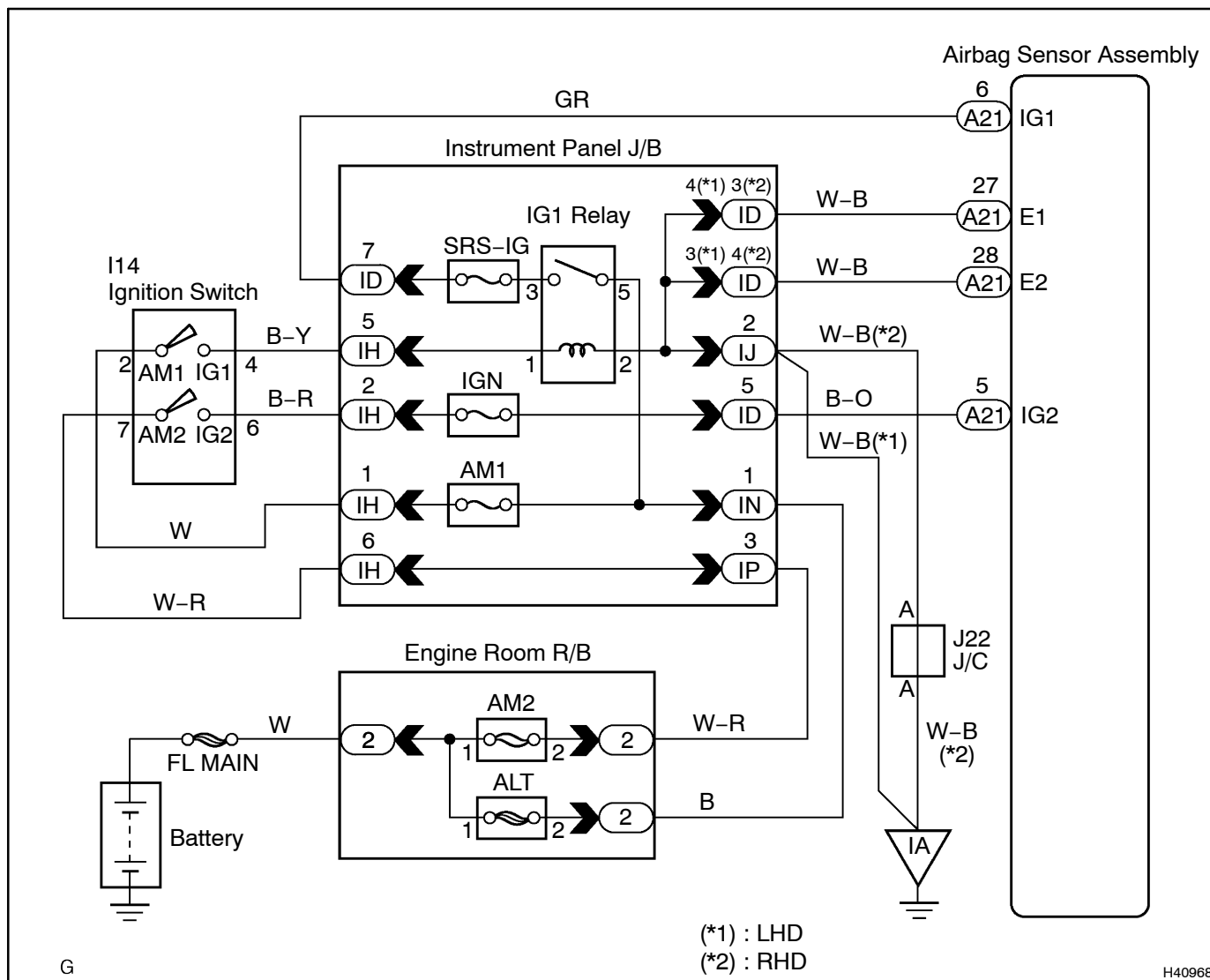
When the battery voltage drops, the voltage-increase circuit (DC-DC converter) functions to increase the voltage of the SRS to normal voltage.

The diagnosis system malfunction display for this circuit is different from other circuits that is when the SRS warning light remains lit up and the DTC is a normal code, source voltage drop is indicated.

Malfunction in this circuit is not recorded in the airbag sensor assy center, and the source voltage returns to normal, the SRS warning light automatically goes off.

DTC No.	Diagnosis
(Normal)	Source voltage drop

### WIRING DIAGRAM



H40968

## INSPECTION PROCEDURE

## 1 PREPARE FOR INSPECTION

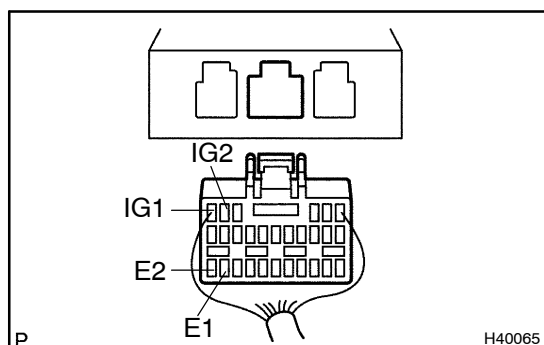
- (a) Disconnect negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (b) Remove the horn button assy (See page 60-15).
- (c) Disconnect the connector of the instrument panel passenger airbag assy (See page 60-27).
- (d) Disconnect the connector of the front seat airbag assy RH and LH (See page 60-34).
- (e) Disconnect the connector of the seat belt pretensioner RH and LH (See page 61-2).
- (f) Disconnect the connector of the curtain shield airbag RH and LH (See page 60-40).
- (g) Disconnect the connectors of the airbag sensor assy center (See page 60-50).
- (h) Disconnect the connector of the airbag front RH sensor and airbag sensor front LH (See page 60-52 and 60-54).
- (i) Disconnect the connector of the side airbag sensor assy RH and LH (See page 60-56).

**CAUTION:**

Store the horn button assy, instrument panel passenger airbag assy and front seat airbag assy RH with the front surface facing upward.



## 2 CHECK SOURCE VOLTAGE



- (a) Connect negative (-) terminal cable to the battery, turn the ignition switch to ON, and at least for 60 seconds.
- (b) Measure the voltage between body ground and each of IG1 and IG2 on the sensor and operate electric system (defogger, wiper, headlight, heater blower, etc.).

**OK:**

Voltage: 10 – 14 V

NG

**REPAIR OR REPLACE HARNESS BETWEEN BATTERY AND AIRBAG SENSOR ASSEMBLY, AND CHARGING SYSTEM**

OK

**3 CHECK SRS WARNING LIGHT TURN OFF**

- (a) Turn the ignition switch to LOCK.
- (b) Disconnect negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Connect the horn button assy connector.
- (d) Connect the instrument panel passenger airbag assy connector.
- (e) Connect the front seat airbag assy RH and LH connectors.
- (f) Connect the seat belt pretensioner RH and LH connectors.
- (g) Disconnect the connector of the curtain shield airbag RH and LH connectors.
- (h) Connect the airbag sensor assy center connectors.
- (i) Connect the airbag front RH sensor and airbag sensor front LH connectors.
- (j) Connect the side airbag sensor assy RH and LH connectors.
- (k) Connect negative (-) terminal cable to the battery.
- (l) Turn the ignition switch to ON, and wait at least for 60 seconds.
- (m) Operate electric system (defogger, wiper, headlight, heater blower, etc.) and check that SRS warning light goes off.

**OK:****SRS warning light is not lights up.****NG**
**REPAIR OR REPLACE HARNESS BETWEEN  
BATTERY AND AIRBAG SENSOR  
ASSEMBLY, AND CHARGING SYSTEM**
**OK****4 CHECK AIR BAG SENSOR ASSY CENTER**

SST 09843-18040

- (a) Turn the ignition switch to LOCK.
- (b) Disconnect negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Connect negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- (d) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (e) Clear the DTC stored in memory (See page 05-403).
- (f) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- (g) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (h) Check the DTC (See page 05-403).

**OK:****DTC is not output.****NG****REPLACE AIR BAG SENSOR ASSY CENTER****OK****USE SIMULATION METHOD TO CHECK**