

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.

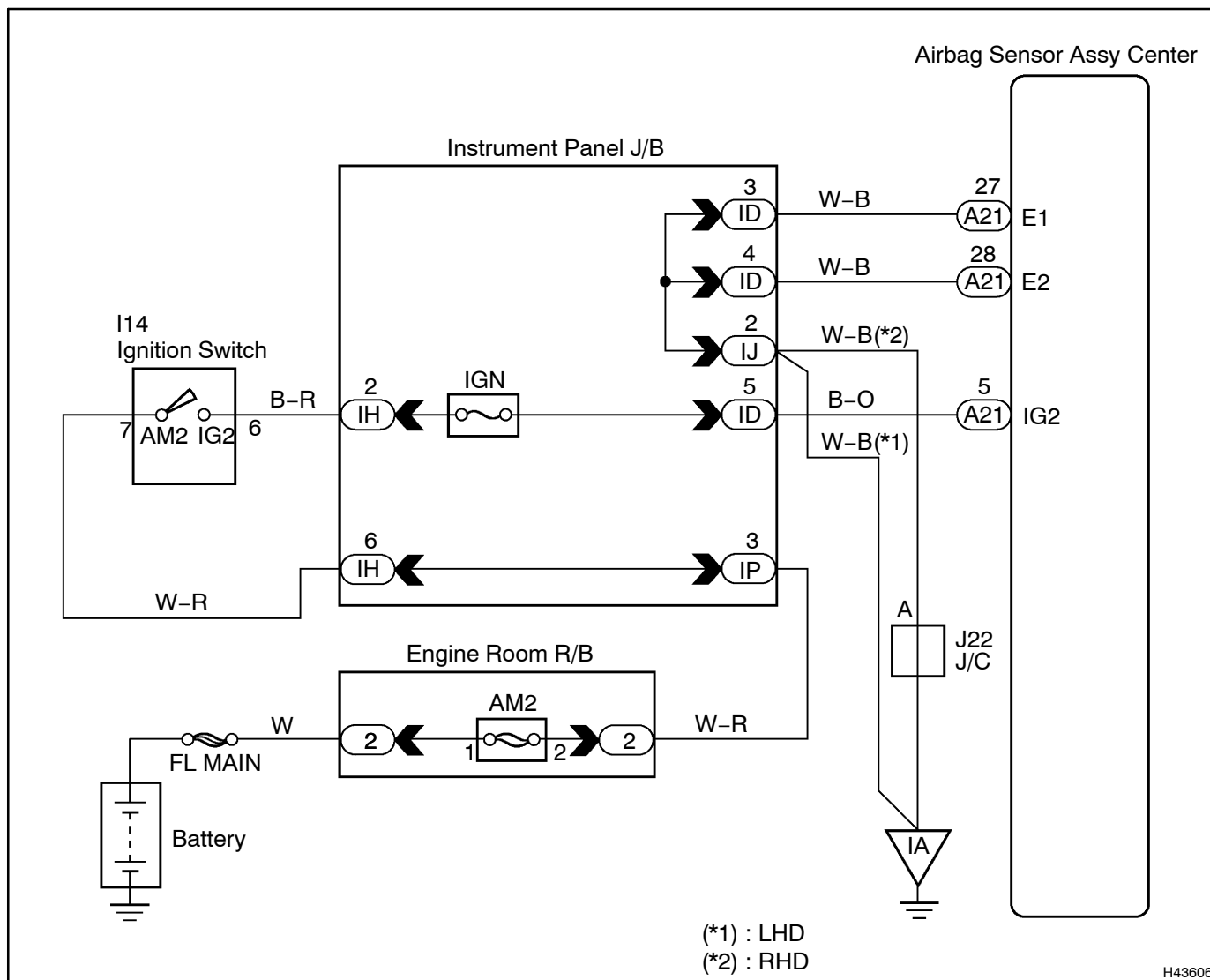
The source voltage drop is indicated when the SRS warning light comes on without showing any DTCs.

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



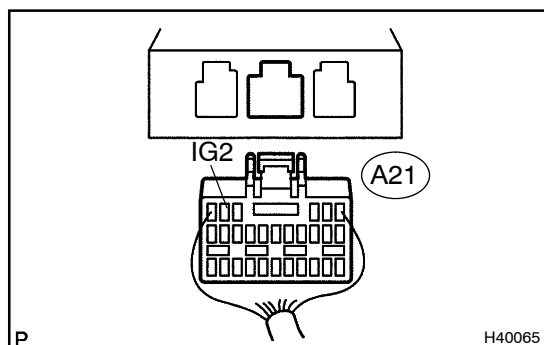
INSPECTION PROCEDURE

CAUTION:

Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.

- (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 airbag sensor assy center.
- (d) Disconnect the connector from the horn button assy.
- (e) Disconnect the connector from the instrument panel passenger airbag assy.
- (f) Disconnect the connector from the front seat outer belt assy LH.
- (g) Disconnect the connector from the front seat outer belt assy RH.
- (h) Disconnect the connector from the front seat airbag assy LH.
- (i) Disconnect the connector from the front seat airbag assy RH.
- (j) Disconnect the connector from the curtain shield airbag assy LH.
- (k) Disconnect the connector from the curtain shield airbag assy RH.

1 CHECK SOURCE VOLTAGE



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

Standard:

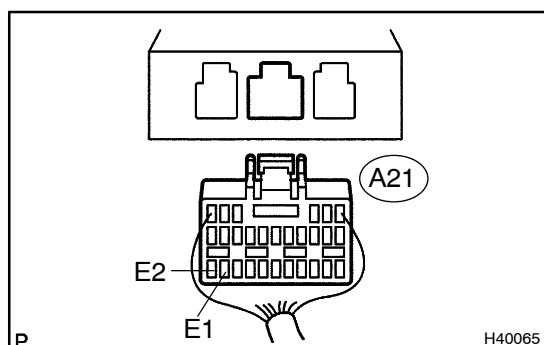
Tester connection	Condition	Specified condition
A21–5 (IG2) – Body ground	Ignition switch ON	11 to 14 V

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

OK

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



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

Standard:

Tester connection	Condition	Specified condition
A21–27 (E1) – Body ground	Always	Below 1 Ω
A21–28 (E2) – Body ground	Always	Below 1 Ω

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

OK

3 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 connectors to the airbag sensor assy center.
- (d) Connect the connector to the horn button assy.
- (e) Connect the connector to the instrument panel passenger airbag assy.
- (f) Connect the connector to the front seat outer belt assy LH.
- (g) Connect the connector to the front seat outer belt assy RH.
- (h) Connect the connector to the front seat airbag assy LH.
- (i) Connect the connector to the front seat airbag assy RH.
- (j) Connect the connector to the curtain shield airbag assy LH.
- (k) Connect the connector to the curtain shield airbag assy RH.
- (l) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (m) Turn the ignition switch to the ON position, and wait for at least 6 seconds.
- (n) 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
(SEE PUB. NO. RM864E, PAGE 60-50)****OK****END**